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SECOND QUARTER 2008 OPERATION AND MAINTENANCE STATUS REPORT FOR BUILDING 46 NAS CECIL FIELD FL

8/5/2008

SOLUTIONS-IES INC

SECOND QUARTER 2008
OPERATION & MAINTENANCE
STATUS REPORT

BUILDING 46
FORMER NAS CECIL FIELD
JACKSONVILLE, FL

CONTRACT NO. N62467-05-G-0193
CONTRACT TASK ORDER NO. 0001

Prepared for:

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AUGUST 5, 2008

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We, the undersigned, do hereby affirm that the information contained in this report is accurate and correct to the best of our knowledge and belief.

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1.0 INTRODUCTION

Solutions-IES, Inc. (Solutions-IES) has been contracted by the Navy (NAVFAC Southeast), to provide long-term groundwater monitoring and operation and maintenance (O&M) services at Building 46, Former Naval Air Station (NAS) Cecil Field, Jacksonville, Florida, under Basic Ordering Agreement (BOA) Contract Number N62467-05-G-0193, Contract Task Order Number 0001. Under this contract, Solutions-IES performs quarterly groundwater monitoring in March, June, September and December, and monthly O&M of the air sparge (AS) system. Solutions-IES subcontracts Terraine, Inc. (Terraine), the previous BOA Contractor at this site, to assist with groundwater monitoring and reporting requirements. This Second Quarter Monitoring Report details the activities performed at the site from April through June 2008.

1.1 SITE LOCATION AND DESCRIPTION

The Building 46 site formerly served as a gasoline station at the former NAS Cecil Field. USTs were housed at the site, some of which were in operation prior to 1970. Past release(s) from the USTs resulted in fuel-related impacts to unsaturated soil and groundwater. A site map is included as **Figure 1**.

1.2 SITE HISTORY

In an attempt to reduce concentrations of petroleum related contaminants in the groundwater at the Site to below the Florida Department of Environmental Protection (FDEP) groundwater clean-up target levels (GCTLs), two Phoster® Nutrient Injection Systems (east and west) were installed and operated on the site from 2001 to 2004. During this time, nitrogen and phosphorus were injected into the subsurface to promote biodegradation of contaminants of concern. Nutrient injection was discontinued in April 2004 when the aquifers anaerobic state was no longer conducive to biodegradation. However, the compressors were still used to inject oxygen into the aquifer and enhance the biodegradation of benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, methyl-tert-butyl-ether (MTBE), and total recoverable petroleum hydrocarbons (TRPH).

In January 2008, the FDEP approved discontinuing use of the west system. Both systems were removed from the site on January 31, 2008. A new air sparge (AS) system is scheduled to be installed on the east side of the site in August 2008.

At this time, there are 14 active monitoring wells on the site. They are screened at depths ranging between approximately 15 and 90 feet below ground surface. Each well is sampled on a quarterly basis in March, June, September and December for fuel constituents and sulfate.

2.0 GROUNDWATER MONITORING SUMMARY

During this monitoring event, the wells listed below were inventoried, gauged for water levels, and sampled for BTEX, MTBE, PAHs, TRPH and sulfate. Locations of the wells at this site are shown on **Figure 2**.

Monitoring Well	Screened Interval
CEF-46-1S	Shallow
CEF-46-2S	Shallow
CEF-46-5I	Intermediate
CEF-46-6D	Deep
CEF-46-7I	Intermediate
CEF-46-9I	Intermediate
CEF-46-12I	Intermediate
CEF-46-13I	Intermediate
CEF-46-14D	Deep
CEF-46-15I	Intermediate
CEF-46-21I	Intermediate
CEF-46-24D	Deep
CEF-46-25I	Intermediate
CEF-46-26I	Intermediate

2.1 WATER LEVEL MEASUREMENTS

Depth-to-groundwater measurements were recorded on June 17, 2008 at the Building 46 site. The top-of-casing elevations, depth-to-product, depth-to-water, and calculated water level elevations are provided in **Table 1**.

A groundwater contour map, indicating the groundwater elevations in the intermediate wells, as measured during the June 2008 event is included as **Figure 3**. According to water level measurements obtained on June 17, 2008, groundwater flows south-southwest in the intermediate zone at the site. There are insufficient data points to contour shallow and deep wells. Water levels in these wells agree closely with nearby intermediate zone wells.

No free product was detected in any sampled monitoring wells during the June 2008 sampling event. Free product has not been encountered at this site, based on historical information dating back to December 2000.

2.2 GROUNDWATER SAMPLING

2.2.1 Methodology

Groundwater sampling was conducted at the Building 46 site on June 17 and 18, 2008. Fourteen monitoring wells (CEF-46-1S, -2S, -5I, -6D, -7I, -9I, -12I, -13I, -14D, -15I, -21I, -24D, -25I, and -26I) were purged and sampled using low-flow methodology.

Wells were purged immediately before sampling using a low flow peristaltic pump, at a rate equal or less than the groundwater recharge rate, until field parameters (temperature, pH, conductivity, turbidity, dissolved oxygen [DO] and oxidation reduction potential [ORP]) stabilized.

Samples were collected for field analysis of carbon dioxide, alkalinity, ferrous iron, hydrogen sulfide and DO using Hach® field test kits. Carbon dioxide readings were not obtained for wells CEF-46-06D, -1S, -26I, or -24D due to test interference. DO was non-detect in all wells field-tested with the Hach® kits.

Groundwater sampling was conducted in general accordance with applicable state and local guidelines, and the Solutions-IES Work Plan (February 2008). All samples collected were stored on ice and delivered to TestAmerica, a Florida-certified and National Environmental Laboratory Accreditation Program (NELAP) certified laboratory located in Nashville, Tennessee, via overnight courier, under Chain-of-Custody procedures.

Results of the field measurements are summarized on **Table 2**. Copies of the groundwater sampling logs including all field parameter measurements are provided in **Appendix A**.

2.2.2 Laboratory Analyses

Groundwater samples collected at the site were analyzed for the following:

- BTEX and MTBE by EPA Method 8260B
- PAHs by EPA Method 8270C
- TRPH by FL Pro
- Sulfate by EPA Method 300.0

A Level II data report was provided by the laboratory.

2.3 INVESTIGATION DERIVED WASTE (IDW)

Purge water, wash water and rinse water were collected in 5-gallon containers and transferred to a 55-gallon drum. The drum is staged at the Day Tank 1 site. Arrangements will be made during the September 2008 sampling event to dispose of the IDW at an approved treatment facility.

3.0 SYSTEM PERFORMANCE SUMMARY

3.1 SYSTEM OPERATION

Both the east and west side systems were shut down and removed from the site by the vendor on January 31, 2008. A new AS system is scheduled to be installed on the east side of the site in August 2008. No systems were on site during the June 2008 sampling event.

3.2 MAINTENANCE SUMMARY

No maintenance was performed in 2008 prior to system removal in January.

4.0 SAMPLING AND ANALYTICAL RESULTS

4.1 DATA VALIDATION

TestAmerica, Inc. validated the data using EQuIS Data Processor Version 1.0.1968.11304. A limited data validation was also performed by Solutions-IES and Terraine. The data validation evaluated data completeness, holding time compliance, laboratory blank contamination and detection limits. According to laboratory results, analyte was detected in the method blank for several TRPH samples because of laboratory contamination. Data qualifiers were also discussed with the laboratory, and most were contributed to laboratory contamination of the method blank. The validation process resulted in qualifiers shown with the analyte concentrations in **Table 3**.

4.2 GROUNDWATER RESULTS

Results from the second quarter 2008 sampling event, along with historical sampling results can be found in **Table 3**. Five wells contained constituents above the GCTLs during this reporting period: CEF-46-1S, CEF-46-6D, CEF-46-7I, CEF-46-24D and CEF-46-26I. The constituents included benzene, ethylbenzene, xylenes, TRPH, MTBE, naphthalene, 2-methylnapthalene, sulfate and TRPH. In CEF-46-6D, CEF-46-24D and CEF-46-26I, sulfate is the only constituent that exceeds the GCTL.

This quarter, benzene, ethylbenzene, xylene, MTBE, naphthalene, 2-methylnapthalene, sulfate and TRPH were all detected above the GCTLs in monitoring well CEF-46-1S. These constituents have exceeded their respective GCTLs in this well since 2003. However, 1-methylnapthalene was below its respective GCTL this quarter for the first time since December 2005. Benzene and ethylbenzene remain below their respective Natural Attenuation Default Source Concentrations (NADSC), however, xylene and naphthalene concentrations exceeded their NADSC of 200 µg/L and 140 µg/L respectively this quarter. These constituents have consistently exceeded the NADSC for 21out of 22 sampling events, since March 2003. Benzene, ethylbenzene and xylene concentrations in CEF-46-1S are shown on **Figure 4**. In general, these concentrations have been decreasing over the past five years.

MTBE was detected in well CEF-46-1S during the June event, and exceeded the GCTL of 20 µg/L. However, this constituent has exhibited a decreasing trend in concentration since 2003. TRPH also exceeded the GCTL (5,000 µg/L) in well CEF-46-1S this quarter. A slight decreasing trend has been observed in TRPH concentrations from 2003 through June 2008. However, a few spikes in concentration have been detected during this time and concentrations have been variable.

Two PAHs, naphthalene, and 2-methylnaphthalene were reported above their GCTLs of 14 µg/L and 28 µg/L, respectively during this sampling event. Naphthalene also exceeded the NADSC (140 µg/L) this quarter. Naphthalene has consistently exceeded the NADSC for 21 out of the past 22 sampling events over the past five years.

Sulfate concentrations exceeded the GCTL (250 mg/L) in wells CEF-46-1S, CEF-46-6D, CEF-46-24D and CEF-46-26I this quarter. Trends in sulfate concentrations over time in historically impacted monitoring wells are shown in **Figure 6**. With the exception of wells CEF-46-1S and CEF-46-6D, sulfate concentrations are generally decreasing over time, despite the recent increase in wells CEF-46-24D and CEF-46-26I.

Well CEF-46-7I exhibited benzene and MTBE concentrations above the GCTLs (1 µg/L and 20 µg/L respectively) this quarter. Overall, the decrease in the benzene concentration of CEF-46-7I has been substantial over the past five years, though recently, concentrations have remained fairly steady. Overall, MTBE concentrations in well CEF-46-71 have been steadily decreasing since 2003. This is the second consecutive quarter, that MTBE concentrations have been below the NADSC (200 µg/L) concentration in this well.

Complete historical sampling results can be found in **Table 3**. The June 2008 laboratory report is included in **Appendix B**.

5.0 CONCLUSIONS AND RECOMMENDATIONS

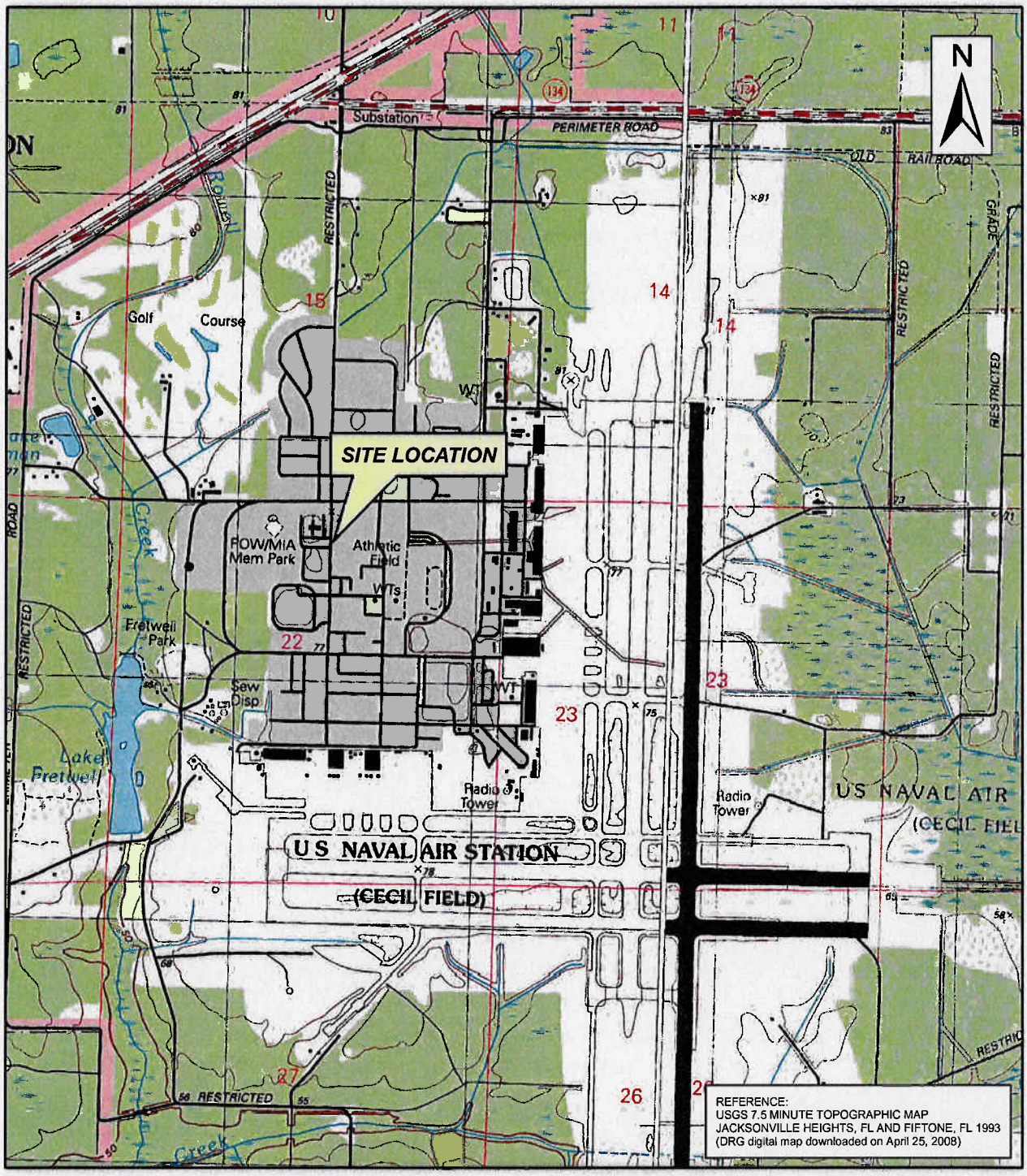
Water level data suggests that groundwater in the intermediate zone at this site flows to the south-southwest. No free product was observed in any of the wells sampled during the June 2008 sampling event. Because free product has not been observed at the site from December 2000 through June 2008, Solutions-IES recommends discontinuing free product monitoring.

Field test kit data for this quarter indicates that DO is non-detect in all wells. In General, DO has been non-detect in wells analyzed with the Hach® kits since December 2000, though the multi-meters record low-level (<1 mg/L) readings. Solutions-IES recommends discontinuing use of the Hach® field test kits for monitoring DO due to constraints of low-level detection.

Constituents detected in excess of their regulatory limits this quarter include benzene, ethylbenzene, xylene, MTBE, naphthalene, 2-methylnaphthalene, sulfate and TRPH. Five monitoring wells, CEF-46-1S, CEF-46-7I, CEF-46-6D, CEF-46-24D and CEF-46-26I exhibited concentrations of constituents above their respective GCTLs during this monitoring period. Most GCTL exceedances and all NADSC exceedances occurred in monitoring well CEF-46-1S. Petroleum hydrocarbons exceed their GCTLs in wells CEF-46-1S and CEF-46-7I.

No changes have been made to the sampling plan for this site since January 2008. The June 2008 sampling was conducted in general accordance with previous sampling events. A new AS system is scheduled to be installed on the east side of the site in August 2008 and the next sampling event will be conducted in September 2008.

FIGURES



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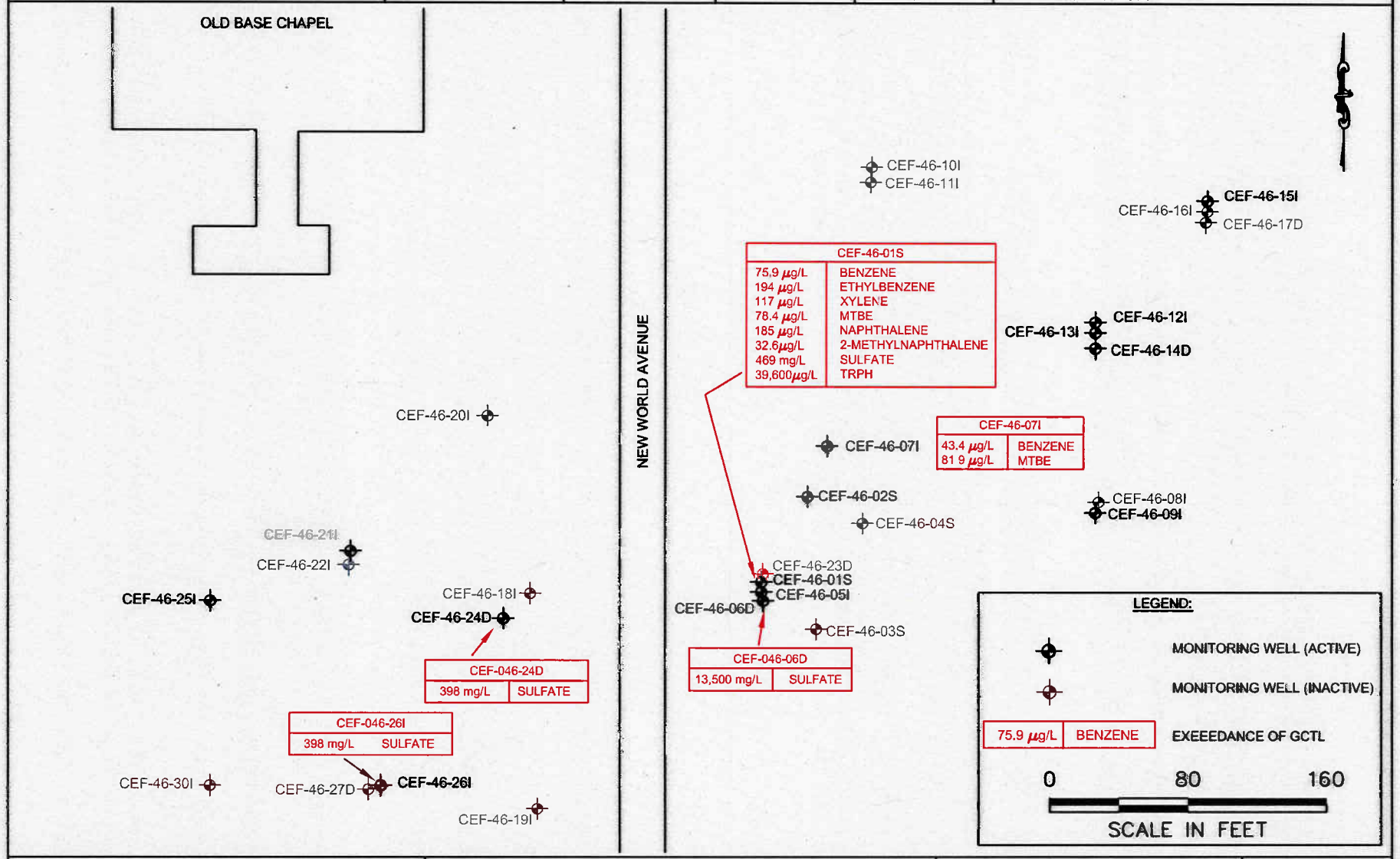
SITE LOCATION MAP
BUILDING 46
NAS CECIL FIELD
DUVAL COUNTY, FLORIDA

Solutions-IES
Industrial & Environmental Services

1101 Nowell Road, Raleigh, NC 27609
Phone (919) 873-1060, Fax (919) 873-1074

Created by:	JD	Project: 4080.08A2.CECI	
Checked by:	DM	Date: July 2008	
File:	Fig 1 Bldg 46.mxd		
Software:	ESRI ArcMap 9.2	FIGURE	1

FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
CECILFIELD	JULY 2008	CR	DM	JD	4080.08A2.CECI



Solutions-IES
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1101 NOWELL ROAD
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NOTES:

1) BASEMAP PROVIDED BY TERRAINE ENVIRONMENTAL.

2) WELL LOCATIONS ARE APPROXIMATE AND BASED ON SURVEY DATA.

3) ONLY CONCENTRATIONS ABOVE THE GCTLs ARE SHOWN.

WELL LOCATION AND CONCENTRATION MAP
BUILDING 46 - NAS CECIL FIELD
JACKSONVILLE, FLORIDA
JUNE 2008

FIGURE:

2

FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
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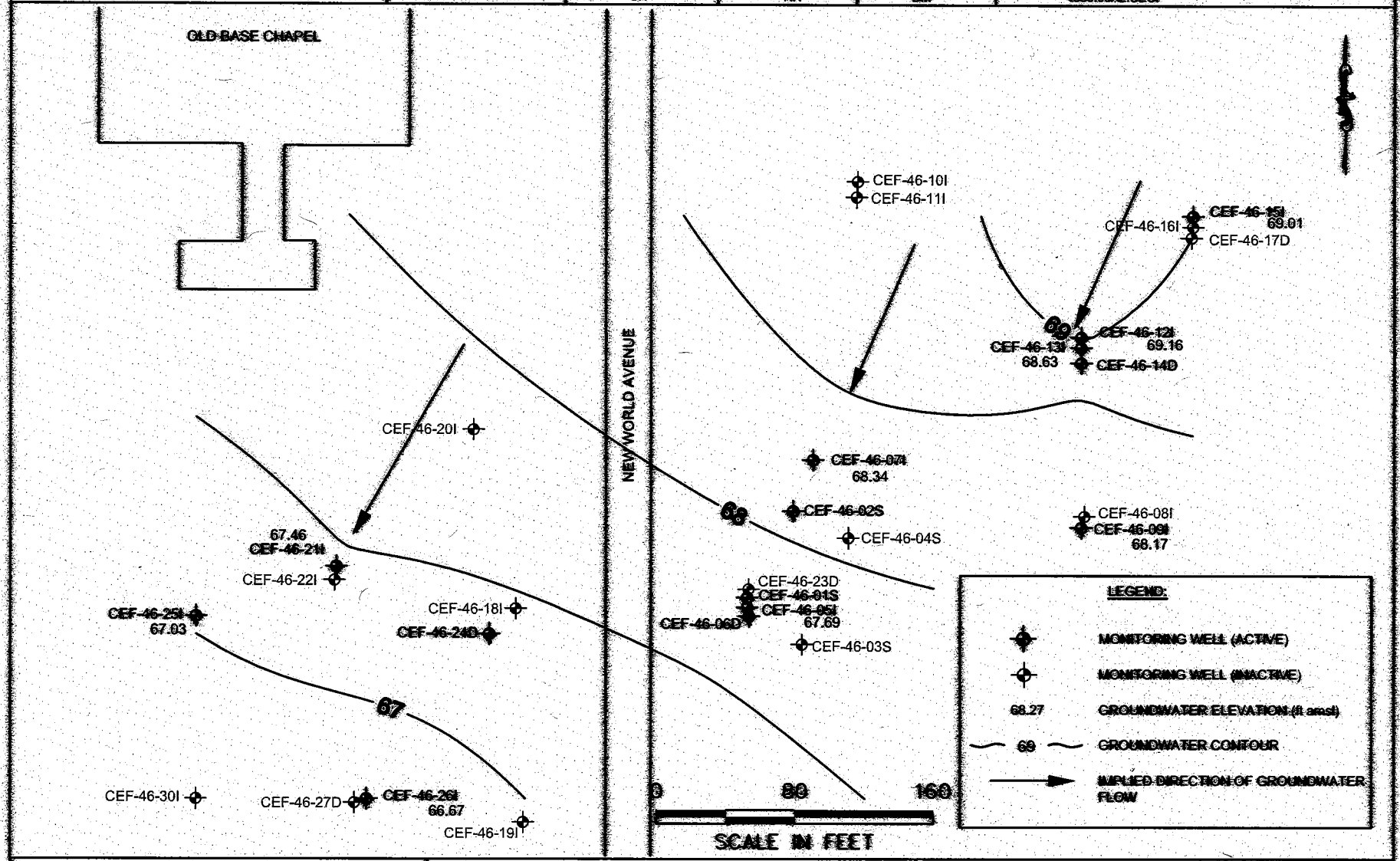

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NOTES:

1) BASEMAP PROVIDED BY TERRAINE ENVIRONMENTAL.

2) WELL LOCATIONS ARE APPROXIMATE AND BASED ON SURVEY DATA.

3) WATER LEVELS MEASURED 3-5-2008.

GROUNDWATER CONTOUR MAP
INTERMEDIATE AQUIFER
BUILDING 46 - NAS CECIL FIELD
JACKSONVILLE, FLORIDA
JUNE 2008

FIGURE:

3

Figure 4
BTEX Concentrations in CEF-46-1S
March 2003 - June 2008

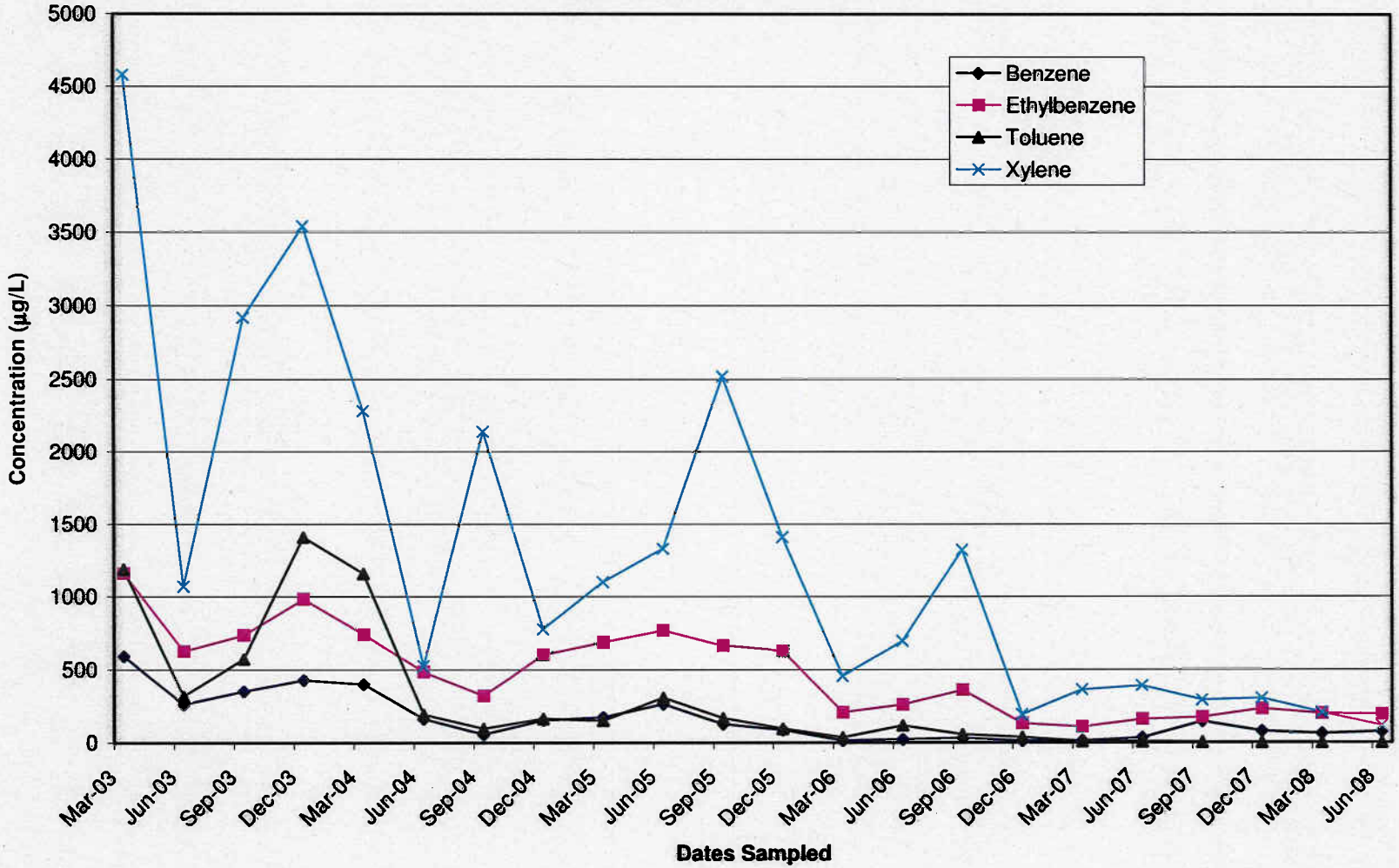


Figure 5
MTBE and Naphthalene Constituents in CEF-46-1S
March 2003 - June 2008

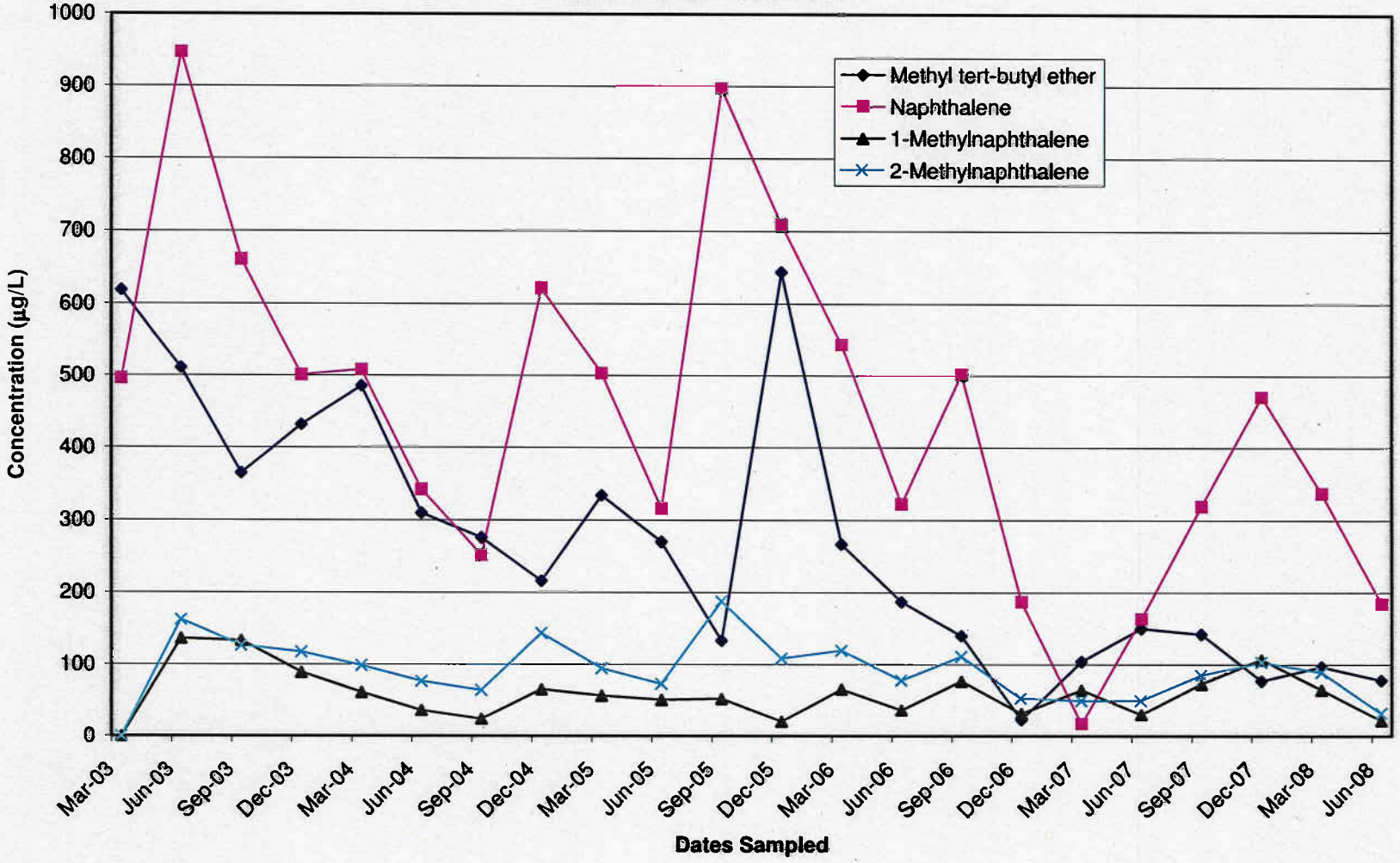
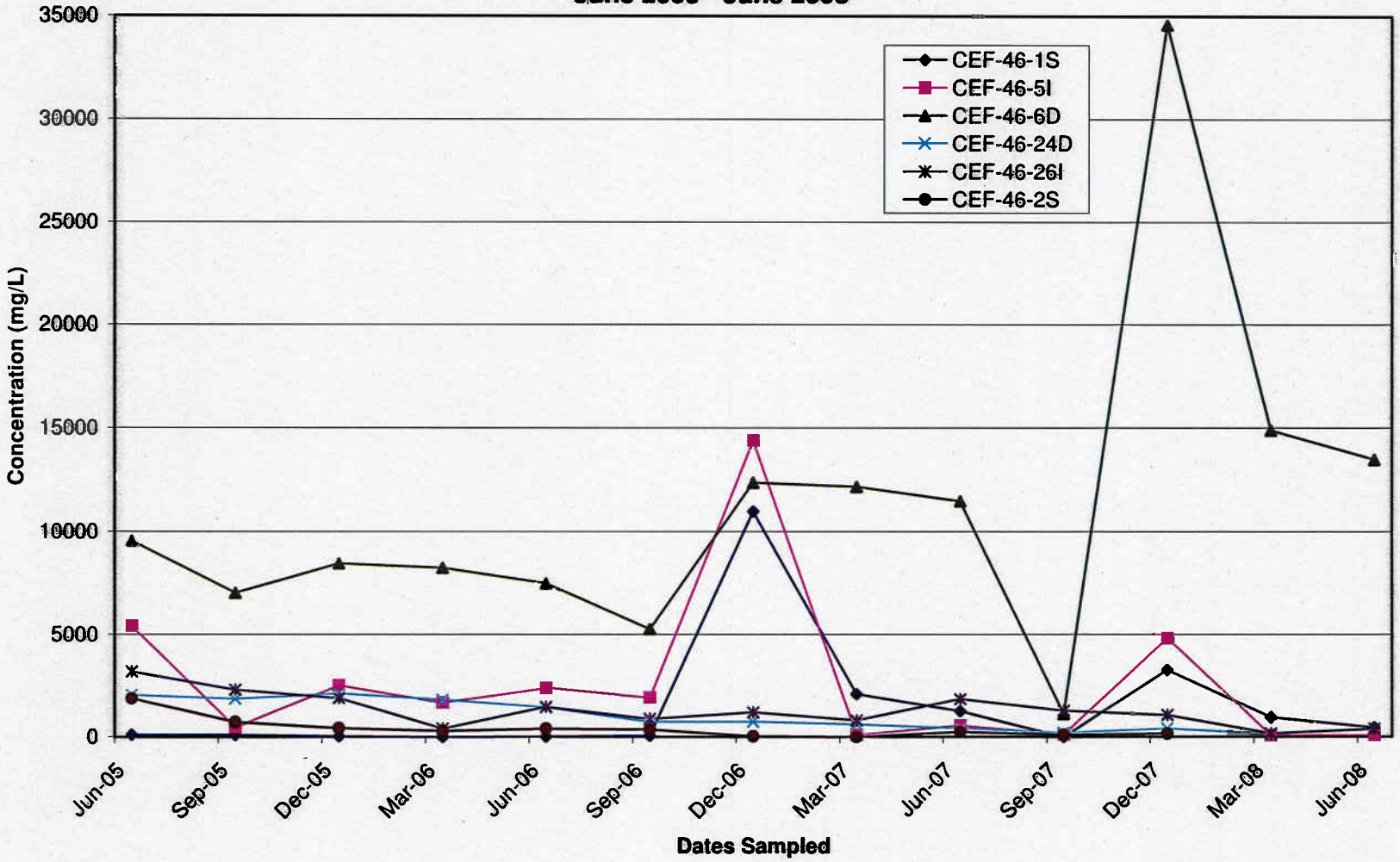


Figure 6
Sulfate Concentration in Selected Wells
June 2005 - June 2008



TABLES

TABLE 1
GROUNDWATER ELEVATION AND FREE PRODUCT DATA

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (Feet BGS)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-46-1S	14.24	12/21/00	79.08	No Product	4.94	74.14
		03/14/03		No Product	2.55	76.53
		06/09/03		No Product	2.40	76.68
		09/03/03		No Product	3.42	75.66
		12/11/03		No Product	5.20	73.88
		03/18/04		No Product	5.92	73.16
		06/08/04		No Product	7.80	71.28
		09/21/04		No Product	3.42	75.66
		12/01/04		No Product	7.06	72.02
		03/13/05		No Product	9.00	70.08
		06/09/05		No Product	9.04	70.04
		09/06/05		No Product	6.95	72.13
		12/06/05		No Product	8.79	70.29
		03/29/06		No Product	9.31	69.77
		06/09/06		No Product	10.95	68.13
		09/24/06		No Product	12.60	66.48
		12/08/06		No Product	12.52	66.56
		03/01/07		No Product	12.10	66.98
		06/15/07		No Product	12.02	67.06
		09/12/07		No Product	11.32	67.76
		12/05/07		No Product	10.16	68.92
		03/05/08		No Product	9.80	69.28
		06/17/08		No Product	10.47	68.61
CEF-46-2S	13.88	12/21/00	79.08	No Product	5.02	74.06
		03/14/03		No Product	2.55	76.53
		06/05/03		No Product	3.75	75.33
		09/03/03		No Product	2.70	76.38
		12/11/03		No Product	5.04	74.04
		03/18/04		No Product	6.02	73.06
		06/08/04		No Product	7.80	71.28
		09/21/04		No Product	3.75	75.33
		12/01/04		No Product	7.02	72.06
		03/13/05		No Product	8.86	70.22
		06/09/05		No Product	8.95	70.13
		09/06/05		No Product	6.70	72.38
		09/21/05		No Product	6.60	72.48
		12/06/05		No Product	8.23	70.85
		03/30/06		No Product	9.22	69.86
		06/09/06		No Product	10.83	68.25
		09/24/06		No Product	11.54	67.54
		12/08/06		No Product	12.32	66.76
		03/01/07		No Product	11.98	67.10
		06/15/07		No Product	12.00	67.08
		09/12/07		No Product	11.28	67.80
		12/05/07		No Product	10.07	69.01
		03/05/08		No Product	9.68	69.40
		06/17/08		No Product	10.37	68.71
CEF-46-3S	15.00	12/06/05	79.14	No Product	9.19	69.95
CEF-46-4S	15.00	12/06/05	79.29	No Product	8.85	70.44

TABLE 1
GROUNDWATER ELEVATION AND FREE PRODUCT DATA

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (Feet BGS)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-46-5I	49.65	12/21/00	79.18	No Product	5.81	73.37
		03/14/03		No Product	3.40	75.78
		06/05/03		No Product	4.90	74.28
		09/03/03		No Product	6.25	72.93
		12/11/03		No Product	6.64	72.54
		03/18/04		No Product	7.89	71.29
		06/08/04		No Product	9.40	69.78
		09/21/04		No Product	5.71	73.47
		12/01/04		No Product	9.23	69.95
		03/13/05		No Product	10.11	69.07
		06/09/05		No Product	10.45	68.73
		09/06/05		No Product	8.63	70.55
		12/06/05		No Product	10.01	69.17
		03/29/06		No Product	10.68	68.50
		06/09/06		No Product	11.95	67.23
		09/24/06		No Product	12.62	66.56
		12/08/06		No Product	14.82	64.36
		03/01/07		No Product	12.85	66.33
		06/15/07		No Product	12.93	66.25
		09/12/07		No Product	12.27	66.91
		12/05/07		No Product	11.10	68.08
		03/05/08		No Product	10.98	68.20
		06/17/08		No Product	11.49	67.69
CEF-46-6D	79.82	12/21/00	79.17	No Product	7.40	71.77
		03/14/03		No Product	6.50	72.67
		06/09/03		No Product	8.00	71.17
		09/03/03		No Product	5.82	73.35
		12/10/03		No Product	7.30	71.87
		03/16/04		No Product	10.60	68.57
		06/08/04		No Product	11.69	67.48
		09/21/04		No Product	7.46	71.71
		12/01/04		No Product	9.72	69.45
		03/13/05		No Product	10.58	68.59
		06/09/05		No Product	10.20	68.97
		09/06/05		No Product	9.66	69.51
		12/06/05		No Product	10.95	68.22
		03/29/06		No Product	10.78	68.39
		06/09/06		No Product	12.24	66.93
		09/24/06		No Product	9.21	69.96
		12/08/06		No Product	16.90	62.27
		03/01/07		No Product	13.21	65.96
		06/15/07		No Product	13.40	65.77
		09/12/07		No Product	12.99	66.18
		12/05/07		No Product	11.49	67.68
		03/05/08		No Product	11.23	67.94
		06/17/08		No Product	11.95	67.22

TABLE 1
GROUNDWATER ELEVATION AND FREE PRODUCT DATA

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (Feet BGS)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-46-7I	29.68	12/21/00	79.02	No Product	5.45	73.57
		03/14/03		No Product	3.30	75.72
		06/09/03		No Product	3.20	75.82
		09/03/03		No Product	2.80	76.22
		12/11/03		No Product	5.84	73.18
		03/18/04		No Product	7.40	71.62
		06/08/04		No Product	8.80	70.22
		09/21/04		No Product	4.95	74.07
		12/01/04		No Product	8.60	70.42
		03/13/05		No Product	9.71	69.31
		06/09/05		No Product	9.40	69.62
		09/06/05		No Product	7.19	71.83
		12/06/05		No Product	9.00	70.02
		03/30/06		No Product	9.91	69.11
		06/09/06		No Product	11.30	67.72
		09/24/06		No Product	11.82	67.20
		12/08/06		No Product	10.35	68.67
		03/01/07		No Product	12.82	66.20
		06/15/07		No Product	12.95	66.07
		09/12/07		No Product	11.74	67.28
		12/05/07		No Product	10.22	68.80
		03/05/08		No Product	9.97	69.05
		06/17/08		No Product	10.68	68.34
CEF-46-8I	30.50	12/06/05	78.91	No Product	9.10	69.81
CEF-46-9I	48.81	12/21/00	79.05	No Product	5.67	73.38
		03/14/03		No Product	2.55	76.50
		06/04/03		No Product	4.10	74.95
		09/03/03		No Product	3.32	75.73
		12/11/03		No Product	5.79	73.26
		03/16/04		No Product	7.20	71.85
		06/08/04		No Product	8.92	70.13
		09/21/04		No Product	5.29	73.76
		12/01/04		No Product	8.44	70.61
		03/13/05		No Product	9.58	69.47
		06/09/05		No Product	9.78	69.27
		09/06/05		No Product	7.86	71.19
		12/06/05		No Product	9.40	69.65
		03/30/06		No Product	9.95	69.10
		06/09/06		No Product	11.32	67.73
		09/24/06		No Product	11.89	67.16
		12/08/06		No Product	12.90	66.15
		03/01/07		No Product	12.26	66.79
		06/15/07		No Product	12.26	66.79
		09/12/07		No Product	11.61	67.44
		12/05/07		No Product	10.51	68.54
		03/05/08		No Product	10.20	68.85
		06/17/08		No Product	10.88	68.17
CEF-46-10I	30.50	12/06/05	80.18	No Product	9.08	71.10
CEF-46-11I	50.50	12/06/05	80.23	No Product	9.73	70.50

TABLE 1
GROUNDWATER ELEVATION AND FREE PRODUCT DATA

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (Feet BGS)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-46-12I	29.61	12/21/00	78.73	No Product	5.23	73.50
		03/14/03		No Product	2.10	76.63
		06/05/03		No Product	3.30	75.43
		09/03/03		No Product	2.90	75.83
		12/11/03		No Product	5.45	73.28
		03/18/04		No Product	6.45	72.28
		06/08/04		No Product	8.10	70.63
		09/21/04		No Product	4.30	74.43
		12/01/04		No Product	7.25	71.48
		03/13/05		No Product	8.70	70.03
		06/09/05		No Product	8.80	69.93
		09/06/05		No Product	6.80	71.93
		12/06/05		No Product	8.35	70.38
		03/29/06		No Product	8.93	69.80
		06/09/06		No Product	10.54	68.19
		09/25/06		No Product	11.13	67.60
		12/08/06		No Product	12.00	66.73
		03/01/07		No Product	11.51	67.22
		06/15/07		No Product	11.48	67.25
		09/12/07		No Product	10.80	67.93
		12/05/07		No Product	9.61	69.12
		03/05/08		No Product	9.22	69.51
		06/17/08		No Product	9.57	69.16
CEF-46-13I	39.56	12/21/00	78.87	No Product	5.43	73.44
		03/14/03		No Product	2.31	76.56
		06/05/03		No Product	3.50	75.37
		09/03/03		No Product	3.10	75.77
		12/11/03		No Product	5.90	72.97
		03/18/04		No Product	6.85	72.02
		06/08/04		No Product	8.61	70.26
		09/21/04		No Product	4.65	74.22
		12/01/04		No Product	7.60	71.27
		03/13/05		No Product	8.91	69.96
		06/09/05		No Product	9.10	69.77
		09/06/05		No Product	7.15	71.72
		12/06/05		No Product	8.64	70.23
		03/29/06		No Product	9.17	69.70
		06/09/06		No Product	10.95	67.92
		09/25/06		No Product	11.36	67.51
		12/08/06		No Product	12.32	66.55
		03/01/07		No Product	11.73	67.14
		06/15/07		No Product	11.72	67.15
		09/12/07		No Product	11.08	67.79
		12/05/07		No Product	9.90	68.97
		03/05/08		No Product	9.52	69.35
		06/17/08		No Product	10.24	68.63

TABLE 1
GROUNDWATER ELEVATION AND FREE PRODUCT DATA

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (Feet BGS)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-46-14D	78.79	12/21/00	78.88	No Product	6.86	72.02
		03/14/03		No Product	4.20	74.68
		06/04/03		No Product	6.15	72.73
		09/03/03		No Product	5.15	73.73
		12/10/03		No Product	7.20	71.68
		03/16/04		No Product	8.72	70.16
		06/08/04		No Product	9.75	69.13
		09/21/04		No Product	5.34	73.54
		12/01/04		No Product	7.66	71.22
		03/13/05		No Product	8.54	70.34
		06/09/05		No Product	9.74	69.14
		09/06/05		No Product	8.09	70.79
		12/06/05		No Product	8.42	70.46
		03/26/06		No Product	9.50	69.38
		06/09/06		No Product	10.70	68.18
		09/24/06		No Product	11.14	67.74
		12/08/06		No Product	13.74	65.14
		03/01/07		No Product	11.56	67.32
		06/15/07		No Product	11.52	67.36
		09/12/07		No Product	11.08	67.80
		12/05/07		No Product	9.76	69.12
		03/05/08		No Product	9.39	69.49
		06/17/08		No Product	10.21	68.67
CEF-46-15I	29.77	12/21/00	79.75	No Product	6.33	73.42
		03/13/03		No Product	3.47	76.28
		06/04/03		No Product	4.54	75.21
		09/03/03		No Product	4.22	75.53
		12/10/03		No Product	6.53	73.22
		03/16/04		No Product	7.40	72.35
		06/08/04		No Product	9.22	70.53
		09/21/04		No Product	5.20	74.55
		12/01/04		No Product	8.07	71.68
		03/13/05		No Product	9.31	70.44
		06/09/05		No Product	9.54	70.21
		09/06/05		No Product	7.69	72.06
		12/06/05		No Product	9.10	70.65
		03/30/06		No Product	9.95	69.80
		06/09/06		No Product	11.46	68.29
		09/24/06		No Product	11.95	67.80
		12/08/06		No Product	12.85	66.90
		03/01/07		No Product	12.30	67.45
		06/15/07		No Product	12.17	67.58
		09/12/07		No Product	11.59	68.16
		12/05/07		No Product	10.46	69.29
		03/05/07		No Product	9.91	69.84
		06/17/08		No Product	10.74	69.01
CEF-46-16I	50.00	12/06/05	79.42	No Product	8.96	70.46
CEF-46-17D	80.50	12/06/05	79.15	No Product	8.78	70.37

TABLE 1
GROUNDWATER ELEVATION AND FREE PRODUCT DATA

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (Feet BGS)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-46-18I	30.50	12/07/05	78.54	No Product	9.44	69.10
CEF-46-19I	50.50	12/07/05	78.88	No Product	10.55	68.33
CEF-46-20I	30.50	12/07/05	79.34	No Product	9.60	69.74
CEF-46-21I	29.70	12/21/00	79.33	No Product	6.02	73.31
		03/13/03		No Product	2.79	76.54
		06/05/03		No Product	4.18	75.15
		09/03/03		No Product	3.70	75.63
		12/11/03		No Product	7.50	71.83
		03/18/04		No Product	8.35	70.98
		06/08/04		No Product	10.10	69.23
		09/21/04		No Product	5.80	73.53
		12/01/04		No Product	9.15	70.18
		03/13/05		No Product	10.60	68.73
		06/10/05		No Product	10.90	68.43
		09/06/05		No Product	NR	NR
		12/07/05		No Product	10.11	69.22
		03/29/06		No Product	10.60	68.73
		06/09/06		No Product	12.18	67.15
		09/24/06		No Product	12.97	66.36
		12/08/06		No Product	13.81	65.52
		03/01/07		No Product	13.36	65.97
		06/15/07		No Product	13.43	65.90
		09/12/07		No Product	12.67	66.66
		12/05/07		No Product	11.43	67.90
		03/05/08		No Product	11.34	67.99
		06/17/08		No Product	11.87	67.46
CEF-46-22I	50.50	12/07/05	79.22	No Product	9.91	69.31
CEF-46-23D	92.50	12/07/05	NA	No Product	11.18	NA
CEF-46-24D	90.45	12/21/00	78.74	No Product	7.30	71.44
		03/14/03		No Product	13.78	64.96
		06/05/03		No Product	6.40	72.34
		09/03/03		No Product	4.97	73.77
		12/10/03		No Product	7.40	71.34
		03/16/04		No Product	8.95	69.79
		06/08/04		No Product	10.68	68.06
		09/21/04		No Product	6.31	72.43
		12/01/04		No Product	9.11	69.63
		03/13/05		No Product	9.92	68.82
		06/09/05		No Product	10.28	68.46
		09/06/05		No Product	8.93	69.81
		12/07/05		No Product	9.92	68.82
		03/29/06		No Product	10.15	68.59
		06/09/06		No Product	11.69	67.05
		09/24/06		No Product	12.12	66.62
		12/08/06		No Product	13.69	65.05
		03/01/07		No Product	12.43	66.31
		06/15/07		No Product	12.66	66.08
		09/12/07		No Product	11.87	66.87
		12/05/07		No Product	10.75	67.99
		03/05/08		No Product	10.46	68.28
		06/17/08		No Product	11.25	67.49

TABLE 1
GROUNDWATER ELEVATION AND FREE PRODUCT DATA

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Identification	Well Total Depth (Feet BGS)	Date	Top of Casing Elevation (Feet)	Depth to Product (Feet)	Depth to Water (Feet)	Water Level Elevation (Feet)
CEF-46-25I	50.45	12/21/00	79.17	No Product	6.25	72.92
		03/13/03		No Product	2.49	76.68
		06/04/03		No Product	3.98	75.19
		09/03/03		No Product	3.50	75.67
		12/10/03		No Product	5.98	73.19
		03/16/04		No Product	8.30	70.87
		06/08/04		No Product	10.03	69.14
		09/21/04		No Product	5.61	73.56
		12/01/04		No Product	9.11	70.06
		03/13/05		No Product	10.46	68.71
		06/09/05		No Product	10.56	68.61
		09/06/05		No Product	8.93	70.24
		12/07/05		No Product	10.10	69.07
		03/29/06		No Product	10.50	68.67
		06/09/06		No Product	12.19	66.98
		09/24/06		No Product	12.98	66.19
		12/08/06		No Product	13.89	65.28
		03/01/07		No Product	13.42	65.75
		06/15/07		No Product	13.60	65.57
		09/12/07		No Product	12.85	66.32
		12/05/07		No Product	11.58	67.59
		03/05/08		No Product	11.51	67.66
		06/17/08		No Product	12.14	67.03
CEF-46-26I	47.76	12/21/00	79.43	No Product	7.09	72.34
		03/14/03		No Product	3.82	75.61
		06/05/03		No Product	4.30	75.13
		09/03/03		No Product	3.73	75.70
		12/11/03		No Product	6.65	72.78
		03/18/04		No Product	8.05	71.38
		06/08/04		No Product	10.40	69.03
		09/21/04		No Product	6.56	72.87
		12/01/04		No Product	10.20	69.23
		03/13/05		No Product	11.50	67.93
		06/09/05		No Product	11.50	67.93
		09/06/05		No Product	9.90	69.53
		12/07/05		No Product	11.01	68.42
		03/29/06		No Product	11.00	68.43
		06/09/06		No Product	12.90	66.53
		09/24/06		No Product	13.60	65.83
		12/08/06		No Product	14.54	64.89
		03/01/07		No Product	14.08	65.35
		06/15/07		No Product	14.23	65.20
		09/12/07		No Product	13.43	66.00
		12/05/07		No Product	12.22	67.21
		03/05/08		No Product	12.25	67.18
		06/17/08		No Product	12.76	66.67
CEF-46-27D	90.00	12/07/05	78.94	No Product	10.65	68.29
CEF-46-28I	50.00	12/07/05	79.38	No Product	11.21	68.17
CEF-46-29I	50.00	12/07/05	79.88	No Product	11.75	68.13
CEF-46-30I	50.00	12/07/05	79.66	No Product	11.10	68.56
CEF-46-31I	50.00	12/07/05	90.02	No Product	12.20	77.82

BGS = Below Ground Surface
NR = Not recorded due to water level meter malfunction
Elevation is referenced to National Geodetic Vertical Datum 1929 (NGVD 1929)
Depth-to-product and depth-to-water measured from top of casing

TABLE 2
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Oxidation Reduction Potential (mV)	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L)**
CEF-46-1S	12/21/00	6.20	0.512	1.05	NM	22.70	NM	200	1.4	1.0	NM
	03/14/03	7.54	2.520	0.89	-204.00	20.77	ND	100	2.2	5.0	NM
	06/09/03	6.39	1.730	ND	-238.00	25.28	Interference	140	3.2	5.0	NM
	09/03/03	6.27	0.201	2.03	-364.00	27.53	Interference	205	1.0	5.0	NM
	12/11/03	5.98	0.234	ND	-332.00	23.15	400	250	1.4	5.0	ND
	03/18/04	6.48	0.220	NM	-278.00	22.33	Interference	175	2.0	5.0	ND
	06/08/04	6.00	1.920	0.04	-296.00	26.24	Interference	130	1.0	5.0	ND
	09/21/04	7.42	0.122	0.00	-234.00	27.97	Interference	100	5.4	5.0	ND
	12/01/04	6.39	2.404	0.15	-356.90	26.07	362	205	ND	5.0	ND
	03/13/05	6.23	1.467	0.18	-347.60	24.63	170	275	2.8	5.0	ND
	06/09/05	6.24	1.223	0.71	-347.10	26.88	140	195	1.8	5.0	ND
	09/06/05	6.52	0.927	0.20	-367.70	27.64	140	120	1.6	5.0	ND
	12/06/05	6.92	0.507	0.22	-269.80	23.49	123	85	1.6	5.0	ND
	03/29/06	5.73	0.355	0.24	-129.80	24.21	280	ND	2.6	5.0	ND
	06/09/06	4.30	0.405	0.50	-130.00	25.49	83	375	1.5	1.0	ND
	9/24/2006***	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12/08/06	3.29	10.302	0.59	5.10	22.01	426	ND	4.4	5.0	ND
	03/01/07	4.04	5.013	0.78	48.8	21.88	205	ND	4.8	2.0	ND
	06/15/07	4.33	4.081	0.22	-11.9	30.62	Interference	ND	5.5	2.0	ND
	09/12/07	4.56	2.279	0.83	-10.3	29.77	Interference	ND	6.5	1.0	ND
	12/05/07	5.07	2.671	3.04	-140.7	25.99	Interference	ND	3.0	5.0	ND
	03/06/08	4.81	2.146	0.23	-98.2	24.44	Interference	10	3.6	5.0	ND
	06/17/08	4.87	1.135	1.08	-36.5	27.87	Interference	Interference	6.0	5.0+	ND
CEF-46-2S	12/21/00	6.20	0.962	1.06	NM	23.20	352	720	1.0	ND	NM
	03/14/03	7.08	1.620	1.60	-112.00	20.88	310	165	2.2	0.1	NM
	06/05/03	6.44	1.860	ND	NM	24.66	228	195	2.2	0.3	NM
	09/03/03	6.25	1.480	0.03	-132.00	27.94	245	160	2.0	0.3	NM
	12/11/03	6.47	1.070	0.40	-258.00	23.85	218	190	1.0	1.0	0.6
	03/18/04	6.80	0.123	NM	-111.00	20.09	231	190	1.4	0.7	ND
	06/08/04	5.73	0.855	0.16	-145.00	25.17	154	95	4.8	ND	3.0
	09/21/04	7.06	0.142	0.03	-153.00	26.76	157	130	3.8	2.0	ND
	12/01/04	6.45	2.454	0.06	-215.20	25.63	88	100	0.6	5.0	ND
	03/13/05	5.92	2.547	0.07	-181.60	22.86	207	60	2.2	1.0	ND
	06/09/05	6.14	2.530	0.59	-199.90	24.39	127	55	5.0	0.5	ND
	09/06/05	6.68	3.436	0.04	-295.10	27.26	184	90	3.8	1.0	ND
	09/21/05	6.61	2.954	0.49	-125.00	26.67	NM	NM	NM	NM	NM
	12/06/05	6.41	1.839	0.33	-25.00	24.31	175	65	3.0	0.1	ND
	03/30/06	5.84	3.300	0.24	-10.00	24.29	167	60	5.2	ND	ND
	06/09/06	4.75	0.994	0.66	-47.90	25.94	67	60	4.4	0.1	ND
	09/25/06	5.81	1.175	0.39	-85.10	26.25	237	75	4.0	0.7	ND
	12/08/06	6.02	1.232	0.73	-9.50	23.77	162	50	2.4	2.0	ND
	03/01/07	5.17	0.841	0.41	-7.70	22.96	229	40	4.2	0.7	ND
	06/15/07	5.90	0.244	0.23	28.10	25.33	332	5	2.0	0.5	ND
	09/12/07	6.21	0.551	0.41	-56.40	27.80	148	105	3.4	ND	ND
	12/05/07	6.18	1.147	0.38	4.70	25.23	189	ND	ND	0.1	ND
	03/06/08	5.92	0.358	0.34	28.00	22.40	260	60	1.2	0.1	ND
	06/17/08	5.87	0.478	0.69	-37.70	25.13	297	125	0.8	0.2	ND
CEF-46-3S	12/06/05	7.38	2.078	0.16	-106.90	25.11	108	325	ND	5.0	ND
CEF-46-4S	12/06/05	6.11	0.728	0.36	-57.10	25.04	167	20	3.8	5.0	ND

TABLE 2
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Oxidation Reduction Potential (mV)	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L)**
CEF-46-5I	12/21/00	5.60	0.140	1.10	NM	23.20	183	100	1.8	1.0	NM
	03/14/03	3.54	5.810	2.05	393.00	25.23	ND	ND	4.2	ND	NM
	06/05/03	2.00	4.840	0.23	407.00	26.92	Interference	ND	9.9	ND	NM
	09/03/03	2.74	4.450	0.04	320.00	27.29	Interference	ND	10.0	ND	NM
	12/11/03	2.84	4.480	4.01	331.00	22.90	568	ND	6.0	ND	ND
	03/18/04	2.48	4.074	NM	NM	25.00	172	ND	4.2	ND	ND
	06/08/04	2.28	5.216	0.10	503.60	27.25	93	ND	15.0	ND	15.0
	09/21/04	6.04	0.103	0.05	-61.80	26.85	171	5	4.8	0.1	ND
	12/01/04	4.48	0.638	0.23	267.70	26.86	Interference	ND	7.2	0.1	ND
	03/13/05	4.21	2.300	0.00	283.00	27.41	579	ND	9.2	ND	ND
	06/09/05	2.71	5.151	0.06	319.90	29.89	390	ND	10.0	ND	ND
	09/06/05	2.91	0.946	0.18	513.50	26.98	145	ND	3.8	ND	ND
	12/06/05	2.62	4.721	2.15	554.10	24.95	94	ND	ND	ND	ND
	03/29/06	2.36	3.174	0.21	418.90	25.71	478	ND	4.8	ND	ND
	06/09/06	2.69	4.061	0.67	406.40	29.66	535	ND	6.0	0.1	ND
	09/24/06	2.91	3.865	0.24	361.70	28.12	Interference	5	9.8	ND	ND
	12/08/06	2.66	12.471	1.50	353.30	21.20	Interference	ND	5.0	1.0	ND
	03/01/07	3.21	0.463	1.10	536.50	23.61	102	5	0.6	ND	ND
	06/15/07	1.31	0.660	0.83	566.00	27.51	460	ND	3.0	0.1	ND
	09/12/07	2.92	2.156	1.24	339.50	27.99	Interference	ND	6.0	0.3	ND
	12/05/07	3.03	3.368	2.35	328.10	26.00	Interference	ND	5.0	ND	1.5
	03/06/08	2.86	0.327	0.84	57.60	24.82	99	ND	1.2	ND	ND
	06/17/08	3.85	0.298	0.32	68.80	27.32	116	5	3.6	0.1	ND
CEF-46-6D	12/21/00	9.71	0.180	6.51	NM	23.50	8	120	0.4	0.3	NM
	03/14/03	3.23	8.600	2.64	404.00	25.71	ND	ND	4.2	ND	NM
	06/09/03	2.69	9.740	0.09	77.00	27.97	Interference	ND	7.0	ND	NM
	09/03/03	2.70	8.759	0.37	335.00	27.71	Interference	ND	10.0	ND	NM
	12/10/03	2.62	0.790	ND	376.00	23.95	Interference	ND	5.4	ND	0.8
	03/16/04	2.53	0.746	6.00	NM	24.60	263	ND	ND	3.0	ND
	06/08/04	2.42	8.973	0.09	431.60	26.46	Interference	ND	9.8	ND	15.0
	09/21/04	2.37	10.411	0.23	434.30	26.45	109	ND	9.8	0.1	ND
	12/01/04	2.59	18.791	0.15	437.10	27.16	118	ND	7.6	0.1	ND
	03/13/05	2.44	9.000	0.14	414.00	26.45	176	ND	10.0	ND	ND
	06/09/05	2.49	8.012	0.15	431.90	26.79	Interference	ND	10.0	ND	ND
	09/06/05	2.48	7.592	0.99	608.90	28.41	154	ND	4.2	0.1	ND
	12/06/05	2.52	10.154	5.44	515.70	25.87	99	ND	10.0	ND	ND
	03/29/06	2.21	9.429	1.82	598.90	26.23	241	200	4.6	ND	1.8
	06/09/06	2.49	8.276	0.71	564.50	28.89	128	ND	2.5	0.1	ND
	09/24/06	2.56	8.092	0.33	508.10	28.70	Interference	60	10.0	ND	ND
	12/08/06	2.42	9.589	4.80	344.60	19.58	Interference	ND	4.4	ND	3.2
	03/01/07	2.50	10.085	0.51	633.90	24.74	Interference	100	0.6	ND	ND
	06/15/07	1.88	8.965	0.45	532.80	27.37	Interference	ND	1.0	0.1	ND
	09/12/07	2.43	10.362	0.71	408.80	28.74	239	ND	9.5	ND	ND
	12/05/07	2.48	16.340	2.07	408.50	25.88	Interference	ND	5.5	ND	1.75
	03/06/08	2.38	10.573	0.59	439.70	21.74	Interference	ND	4.2	ND	ND
	06/17/08	2.51	11.134	0.98	409.20	22.24	Interference	ND	10.0+	ND	ND

TABLE 2
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Oxidation Reduction Potential (mV)	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L)**
CEF-46-7I	12/21/00	4.90	0.510	1.11	NM	25.40	317	60	0.6	0.3	NM
	03/14/03	3.23	0.250	5.24	360.00	23.41	121	ND	1.8	ND	NM
	06/09/03	3.80	0.191	1.05	278.00	26.12	233	ND	2.2	ND	NM
	09/03/03	4.51	0.226	0.12	81.00	27.32	143	ND	4.0	2.0	NM
	12/11/03	5.19	0.180	0.67	-170.00	23.07	70	25	3.7	2.0	ND
	03/18/04	4.89	0.230	NM	120.00	24.42	75	15	4.0	ND	ND
	06/08/04	3.67	0.089	0.24	256.00	25.91	99	ND	4.4	ND	ND
	09/21/04	3.55	0.085	0.00	163.00	26.80	68	5	10.0	ND	ND
	12/01/04	5.62	0.175	0.06	-50.60	26.45	217	10	5.8	1.0	ND
	03/13/05	4.90	0.130	0.12	-79.20	25.78	122	35	4.0	2.0	ND
	06/09/05	4.04	0.439	0.67	-39.50	26.99	148	ND	3.8	2.0	ND
	09/06/05	3.65	0.461	0.15	253.60	26.26	140	ND	4.6	0.1	ND
	12/06/05	3.90	0.188	0.40	258.30	23.64	113	ND	3.0	0.1	ND
	03/30/06	4.40	0.244	0.38	120.70	23.92	128	20	5.0	0.1	ND
	06/09/06	2.04	0.126	0.68	37.20	25.43	176	70	5.8	0.7	ND
	09/25/06	4.84	0.108	0.25	3.40	25.61	105	15	4.8	2.0	ND
	12/08/06	3.39	0.485	2.30	468.20	23.41	181	ND	0.1	ND	4.2
	03/01/07	4.63	0.134	0.35	-3.20	24.18	108	65	3.2	0.7	ND
	06/15/07	4.83	0.098	0.20	-69.60	26.19	176	ND	2.4	1.0	ND
	09/12/07	4.92	0.083	0.57	-41.90	28.28	98	5	3.5	2.0	ND
	12/05/07	4.95	0.112	0.50	-11.70	25.66	148	ND	2.0	2.0	ND
	03/06/08	4.50	0.075	0.45	-70.10	23.89	113	4	3.4	1.0	ND
	06/17/08	4.02	0.063	0.60	-64.20	24.81	145	15	2.6	1.0	ND
CEF-46-8I	12/06/05	4.89	0.076	0.59	80.80	25.87	Interference	15	3.0	ND	ND
CEF-46-9I	12/20/00	5.29	0.079	1.47	NM	24.60	84.6	20	0.8	0.3	NM
	03/14/03	5.47	0.914	1.35	64.00	25.40	ND	ND	2.2	1.0	NM
	06/04/03	4.75	1.090	0.60	-8.00	25.73	Interference	ND	6.0	1.0	NM
	09/03/03	3.74	1.040	0.84	18.00	26.85	Interference	ND	3.8	1.0	NM
	12/10/03	3.64	1.010	6.21	-100.00	26.29	Interference	ND	5.2	0.5	ND
	03/16/04	3.67	0.165	NM	199.00	25.08	Interference	ND	2.8	2.0	ND
	06/08/04	3.58	1.770	0.14	68.00	25.99	Interference	ND	8.0	5.0	3.0
	09/21/04	3.50	1.401	0.17	-18.20	25.99	Interference	ND	8.4	3.0	ND
	12/01/04	3.68	NM	0.11	-74.80	26.09	370	ND	4.5	3.0	ND
	03/13/05	5.92	0.540	0.00	72.00	25.01	296	ND	5.4	1.0	ND
	06/09/05	3.76	0.830	0.14	-29.30	26.31	201	ND	3.6	2.0	ND
	09/06/05	3.74	0.641	0.18	-39.70	28.43	352	ND	3.5	5.0	ND
	12/06/05	3.76	1.055	0.24	225.80	25.47	Interference	ND	3.0	5.0	ND
	03/30/06	3.96	20.384	0.37	-34.40	24.92	Interference	ND	5.0	2.0	ND
	06/09/06	2.86	0.756	0.33	177.80	29.25	Interference	ND	7.0	2.0	ND
	09/24/06	3.70	0.661	0.17	218.80	29.13	413	5	7.2	0.1	ND
	12/08/06	3.81	0.493	0.38	-43.60	24.24	Interference	ND	ND	2.0	ND
	03/01/07	3.80	0.390	0.33	44.90	24.03	257	ND	3.6	2.0	ND
	06/15/07	3.07	0.528	0.20	62.20	26.36	Interference	ND	3.1	1.0	ND
	09/12/07	3.93	0.236	1.48	58.60	27.37	212	ND	3.4	1.0	ND
	12/05/07	4.42	0.279	0.45	14.60	25.43	323	ND	2.8	1.0	ND
	03/06/08	3.45	0.296	0.23	-41.80	25.75	487	ND	2.0	ND	ND
	06/17/08	4.02	0.146	0.96	-39.10	25.87	400	15	3.2	5.0	ND
CEF-46-10I	12/06/05	5.68	0.119	0.50	33.20	23.89	99	15	2.0	1.0	ND
CEF-46-11I	12/06/05	6.44	0.406	0.63	-46.20	23.45	134	85	2.0	5.0	ND

TABLE 2
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Oxidation Reduction Potential (mV)	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L) **
CEF-46-12I	12/20/00	5.57	0.160	1.91	NM	26.50	193.6	80	0.8	2.0	NM
	03/14/03	3.38	0.178	3.92	333.00	26.07	96	ND	2.2	ND	NM
	06/05/03	4.22	0.155	1.65	117.00	26.33	168	ND	1.0	ND	NM
	09/03/03	4.71	0.308	0.00	164.00	27.88	136	5	0.0	ND	NM
	12/11/03	4.97	0.310	0.61	129.00	23.96	84	1	2.2	0.1	0.8
	03/18/04	5.33	0.129	0.60	NM	24.90	86	5	3.5	0.1	0.6
	06/08/04	4.69	0.142	0.47	162.00	26.48	122	5	3.0	ND	13.0
	09/21/04	4.65	0.245	0.01	124.00	24.84	115	5	3.0	ND	ND
	12/01/04	5.30	0.661	0.12	133.40	26.37	45	5	1.4	ND	ND
	03/13/05	5.12	0.384	0.12	120.10	24.02	220	25	1.0	ND	ND
	06/09/05	5.13	0.412	0.97	121.10	25.29	217	25	1.8	ND	ND
	09/06/05	5.06	0.417	0.22	4.20	26.82	306	20	2.8	0.1	ND
	12/06/05	4.79	0.185	0.50	170.40	22.70	273	ND	4.8	ND	ND
	03/29/06	4.54	0.234	0.42	66.50	24.92	253	25	2.8	0.3	ND
	06/09/06	3.73	0.203	0.59	216.8	26.76	246	15	5.2	0.1	ND
	09/25/06	3.93	0.222	0.60	-49.8	25.73	443	15	3.2	0.1	ND
	12/08/06	4.39	0.236	1.04	266.5	23.65	296	ND	4.5	0.1	ND
	03/01/07	4.33	0.227	0.30	106.5	23.43	247	ND	3.2	0.1	ND
	06/15/07	3.53	0.188	0.43	126.6	24.87	379	ND	2.4	0.1	ND
	09/12/07	4.55	0.183	0.55	182.0	28.00	227	5	2.8	ND	ND
	12/05/07	4.74	0.298	0.46	28.4	25.33	367	ND	3.0	0.1	ND
	03/06/08	3.96	0.243	0.23	6.1	22.97	425	ND	1.8	0.1	ND
	06/17/08	4.71	0.176	0.07	65.9	26.58	398	10	3.4	0.1	ND
CEF-46-13I	12/20/00	5.40	0.120	1.23	NM	25.00	188	20	1.4	5.0	NM
	03/14/03	6.29	0.110	0.99	-31.00	25.90	280	ND	2.5	5.0	NM
	06/05/03	3.71	0.643	0.00	1.00	26.44	Interference	ND	3.6	5.0	NM
	09/03/03	3.81	0.999	0.36	57.00	28.50	Interference	ND	2.4	2.0	NM
	12/11/03	3.93	0.990	1.11	160.00	24.10	Interference	ND	3.2	5.0	ND
	03/18/04	3.76	1.282	0.50	NM	25.60	Interference	ND	3.0	0.3	ND
	06/08/04	3.08	1.170	0.34	286.00	26.73	Interference	ND	3.6	ND	1.0
	09/21/04	4.96	0.588	0.17	-32.00	26.20	Interference	ND	7.8	5.0	ND
	12/01/04	3.93	0.931	0.06	37.70	26.53	Interference	ND	0.7	5.0	ND
	03/13/05	2.92	0.947	0.75	494.30	24.67	Interference	ND	2.8	1.0	ND
	06/09/05	2.98	1.584	0.71	361.30	25.97	Interference	ND	4.0	0.7	ND
	09/06/05	3.84	1.698	0.84	-90.00	26.30	Interference	ND	4.1	1.0	ND
	12/06/05	3.55	0.568	0.47	257.70	22.63	167	ND	3.0	2.0	ND
	03/29/06	2.48	0.538	0.63	571.60	24.98	246	ND	3.4	0.1	ND
	06/09/06	3.04	0.205	0.26	125.10	27.12	58	ND	10.0	2.0	ND
	09/25/06	3.86	0.154	0.47	-42.30	26.38	395	ND	5.4	0.1	ND
	12/08/06	4.07	0.146	1.03	121.60	23.00	242	ND	3.5	2.0	ND
	03/01/07	3.90	0.174	2.18	187.50	23.81	158	ND	0.8	0.1	1.0
	06/15/07	3.94	0.149	0.33	290.70	25.18	213	ND	1.2	0.1	ND
	09/12/07	4.32	0.124	0.33	-25.10	28.40	209	5	3.5	0.7	ND
	12/05/07	4.52	0.203	0.46	15.00	25.75	349	ND	3.4	0.1	ND
	03/06/08	3.42	0.194	2.78	62.70	24.01	230	ND	2.4	ND	1.8
	06/17/08	4.35	0.124	0.74	-62.80	27.98	352	15	2.5	5.0	ND

TABLE 2
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Oxidation Reduction Potential (mV)	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L)**
CEF-46-14D	12/20/00	5.87	0.109	1.52	NM	24.90	84	540	2.4	0.3	NM
	03/14/03	6.26	0.098	0.85	-33.00	25.32	180	15	2.5	5.0	NM
	06/04/03	5.77	0.106	0.17	-39.00	26.14	186	20	2.3	2.0	NM
	09/03/03	4.82	0.215	0.86	-54.00	27.66	155	20	2.2	5.0	NM
	12/10/03	5.36	0.282	0.07	-62.00	25.92	136	10	2.4	1.0	ND
	03/16/04	5.43	0.105	0.80	NM	25.60	154	20	24.0	5.0	ND
	06/08/04	5.17	0.109	0.10	-58.90	26.00	NM	NM	NM	NM	NM
	09/21/04	5.26	0.125	0.16	-159.20	25.37	120	15	4.8	3.0	ND
	12/01/04	5.51	0.239	0.42	-174.00	25.41	176	25	2.4	0.1	ND
	03/13/05	7.68	0.110	0.20	-29.00	22.89	109	25	3.8	2.0	ND
	06/09/05	5.38	0.156	0.25	-64.40	25.86	94	15	1.5	0.1	ND
	09/06/05	5.33	0.108	0.25	-169.70	26.70	109	15	3.5	1.0	ND
	12/06/05	5.22	0.127	ND	-28.60	22.36	185	ND	2.6	2.0	ND
	03/29/06	3.67	0.106	0.51	192.00	24.43	160	15	4.8	0.3	ND
	06/09/06	4.02	0.093	0.52	25.10	29.19	93	10	2.6	0.1	ND
	09/24/06	3.34	0.095	0.49	148.90	28.48	252	40	3.0	0.3	ND
	12/08/06	5.45	0.103	0.38	-109.40	23.46	Interference	45	1.0	0.7	ND
	03/01/07	5.39	0.109	0.32	-16.00	23.42	217	ND	1.8	0.3	ND
	06/15/07	5.28	0.089	0.28	-46.60	26.29	159	1	1.2	0.1	ND
	09/12/07	5.46	0.090	1.21	-21.60	26.65	109	25	3.4	0.1	1.0
	12/05/07	5.77	0.135	0.58	15.20	22.79	117	ND	2.0	0.1	ND
	03/06/08	5.08	0.122	0.30	-54.30	24.57	169	20	1.8	0.1	ND
	06/17/08	5.16	0.082	0.75	-59.60	28.71	115	30	2.0	0.7	ND
CEF-46-15I	12/20/00	5.01	0.108	1.27	NM	22.20	86.6	40	3.2	1.0	NM
	03/13/03	4.64	0.191	0.90	328.00	22.79	343	ND	3.2	ND	NM
	06/04/03	1.76	0.172	0.59	92.00	22.89	368	10	3.3	ND	NM
	09/03/03	3.99	0.369	0.45	195.00	24.16	367	ND	2.8	ND	NM
	12/10/03	4.00	0.290	6.16	99.00	23.64	124	1	3.5	0.1	5.0
	03/16/04	4.30	0.501	NM	241.00	22.91	324	ND	3.0	ND	ND
	06/08/04	4.26	0.168	0.22	193.30	22.89	317	15	3.8	ND	3.0
	09/21/04	4.25	0.179	0.27	-55.00	23.27	319	ND	3.5	ND	ND
	12/01/04	4.42	0.347	0.19	-91.40	23.69	143	15	3.4	0.1	ND
	03/13/05	4.47	0.180	2.07	256.00	22.05	291	ND	ND	ND	1.0
	06/09/05	4.16	0.244	0.19	-51.00	22.93	312	10	4.8	ND	ND
	09/06/05	4.32	0.138	0.66	-101.60	23.90	219	ND	2.5	3.0	ND
	12/06/05	4.66	0.180	0.76	86.00	20.99	155	15	2.0	0.7	ND
	03/30/06	4.54	2.820	0.55	23.20	22.20	234	15	4.8	0.1	ND
	06/09/06	3.10	0.146	0.45	138.80	24.19	241	20	5.4	0.5	ND
	09/24/06	3.07	0.142	0.29	192.90	24.45	253	5	6.4	ND	ND
	12/08/06	4.54	0.150	0.54	-2.00	20.88	296	ND	2.2	0.1	ND
	03/01/07	4.47	0.151	0.38	82.90	21.21	296	ND	2.6	0.3	ND
	06/15/07	3.03	0.118	0.40	88.10	22.42	431	ND	3.0	0.7	ND
	09/12/07	4.64	0.111	1.94	25.30	23.42	236	2	4.2	1.0	1.0
	12/05/07	4.62	0.187	1.12	30.10	19.51	232	ND	3.0	0.3	ND
	03/06/08	3.99	0.155	0.39	-37.80	20.65	280	ND	2.0	1.0	ND
	06/17/08	4.70	0.107	0.09	45.70	23.77	291	10	3.2	2.0	ND
CEF-46-16I	12/06/05	4.87	0.148	0.90	44.90	20.67	241	20	2.5	5.0	ND
CEF-46-17D	12/06/05	4.44	1.904	0.61	53.50	20.08	Interference	ND	3.5	3.0	ND
CEF-46-18I	12/07/05	3.80	0.856	0.99	318.80	23.56	0.186	ND	9.0	0.1	ND
CEF-46-19I	12/07/05	2.58	5.885	0.77	476.90	22.01	Interference	ND	3.6	5.0	ND

TABLE 2
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Oxidation Reduction Potential (mV)	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L)**
CEF-46-20I	12/07/05	3.84	1.054	0.95	324.00	23.14	241	ND	9.0	0.1	ND
CEF-46-21I	12/20/00	4.86	0.047	1.35	NM	23.20	9.4	60	0.8	ND	NM
	03/13/03	3.75	0.713	2.35	397.00	23.94	0.0	ND	3.0	ND	NM
	06/05/03	3.12	0.798	0.00	251.00	24.22	Interference	ND	3.9	0.7	NM
	09/03/03	3.34	0.406	2.82	449.00	26.30	115	ND	1.6	ND	NM
	12/11/03	3.58	0.476	3.43	407.00	23.07	89	ND	1.6	ND	2.0
	03/18/04	3.81	0.162	2.10	NM	23.00	91	ND	2.4	ND	1.0
	06/08/04	3.39	0.147	0.86	406.00	23.91	78	ND	1.4	ND	13.0
	09/21/04	2.61	0.147	0.44	317.00	24.62	69	ND	0.8	ND	ND
	12/01/04	3.89	0.334	2.30	439.10	24.76	54	ND	0.3	ND	ND
	03/13/05	3.66	0.175	0.10	311.20	23.58	112	ND	0.8	ND	0.10
	06/09/05	3.61	0.114	1.21	319.00	23.57	45	5	1.4	ND	0.00
	09/06/05	4.22	0.103	0.26	79.30	25.31	75	5	1.0	ND	ND
	12/07/05	4.36	0.218	2.03	219.80	23.24	35	ND	4.5	3.0	3.60
	03/29/06	3.54	0.072	0.43	83.90	23.97	31	10	1.0	0.3	ND
	06/09/06	3.70	0.056	0.15	209.70	25.52	NM	NM	NM	NM	NM
	09/24/06	3.83	0.095	0.47	-45.30	25.78	156	20	2.4	0.1	ND
	12/08/06	3.99	0.121	0.57	284.10	20.08	140	5	1.8	0.1	ND
	03/01/07	3.15	0.136	0.49	126.40	22.41	142	ND	0.8	0.5	ND
	06/15/07	3.23	0.159	0.51	650.00	26.36	Interference	ND	3.6	0.1	ND
	09/12/07	4.42	0.139	0.58	167.60	25.28	199	5	3.2	ND	ND
	12/05/07	4.35	0.238	2.42	221.10	23.16	171	ND	2.8	0.1	2.00
	03/06/08	3.98	0.176	0.66	389.50	20.92	98	ND	1.8	0.1	ND
	06/17/08	4.29	0.194	0.10	58.10	23.85	253	15	4.2	1.0	ND
CEF-46-22I	12/07/05	3.70	4.124	1.03	153.30	22.84	95	ND	10.00	5.00	ND
CEF-46-23D	12/07/05	2.44	21.506	1.23	438.80	24.49	86	ND	8.50	0.10	ND
CEF-46-24D	12/20/00	6.15	0.129	0.13	NM	21.90	16.4	60	2.3	0.1	NM
	03/14/03	3.70	2.530	2.23	402.00	27.46	ND	ND	4.0	ND	NM
	06/05/03	0.36	3.160	0.36	250.00	28.22	Interference	ND	5.9	ND	NM
	09/03/03	3.20	2.110	0.21	282.00	27.68	Interference	ND	5.4	ND	NM
	12/10/03	3.24	0.200	0.30	308.00	26.18	Interference	ND	3.8	ND	ND
	03/16/04	3.45	1.285	0.60	NM	27.60	Interference	ND	4.2	0.1	ND
	06/08/04	3.09	1.564	0.20	386.40	27.04	Interference	ND	7.2	0.1	ND
	09/21/04	3.74	1.218	0.44	17.20	26.06	Interference	ND	9.6	0.3	ND
	12/01/04	3.74	2.133	0.33	211.60	24.52	Interference	ND	8.5	0.3	ND
	03/13/05	6.16	1.200	0.12	58.00	25.70	Interference	5	7.4	1.0	ND
	06/09/05	4.26	4.395	0.06	106.40	26.31	Interference	5	10.0	0.5	ND
	09/06/05	4.12	2.946	0.17	161.20	26.94	Interference	ND	9.0	1.0	ND
	12/07/05	4.38	8.358	0.96	207.30	23.42	72	ND	5.2	0.3	0.96
	03/29/06	4.34	3.362	0.46	97.90	24.67	Interference	5	5.2	ND	ND
	06/09/06	3.66	2.810	0.41	212.10	26.11	Interference	ND	10.0	0.1	ND
	09/24/06	4.09	2.319	0.50	20.40	26.75	Interference	ND	5.0	0.1	ND
	12/08/06	3.48	1.664	0.43	265.90	21.23	Interference	ND	3.1	0.1	ND
	03/01/07	3.24	1.353	0.42	180.70	23.24	Interference	ND	4.2	0.1	ND
	06/15/07	4.05	1.017	0.61	182.70	25.46	Interference	ND	4.0	0.1	ND
	09/12/07	4.69	0.762	0.94	123.10	26.54	Interference	5	3.6	ND	ND
	12/05/07	4.81	1.093	2.45	21.70	23.96	Interference	40	2.5	ND	2.30
	03/06/08	3.44	0.771	0.54	286.70	23.36	Interference	ND	2.2	0.5	ND
	06/17/08	3.82	0.730	0.11	77.70	25.01	Interference	10	3.0	0.7	ND

TABLE 2
GROUNDWATER FIELD ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	pH	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)*	Oxidation Reduction Potential (mV)	Temperature (°C)	Carbon Dioxide (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Ferrous Iron (mg/L)	Hydrogen Sulfide (mg/L)	Dissolved Oxygen (mg/L)**
CEF-46-25I	12/20/00	5.81	0.167	2.88	NM	24.60	20.6	120	0.6	5.0	NM
	03/13/03	6.16	1.420	1.03	-58.00	25.35	ND	ND	4.5	5.0	NM
	06/04/03	5.98	1.440	0.00	-87.00	25.76	ND	ND	6.0	5.0	NM
	09/03/03	3.77	0.910	0.53	-107.00	26.43	Interference	ND	3.8	5.0	NM
	12/10/03	3.95	0.860	5.82	-198.00	24.15	Interference	ND	3.5	5.0	ND
	03/16/04	3.74	0.179	NM	-2.00	23.99	Interference	ND	5.4	5.0	ND
	06/08/04	3.53	2.054	0.13	-92.90	25.15	Interference	ND	6.2	5.0	ND
	09/21/04	3.66	1.736	0.41	-97.40	24.31	Interference	ND	NM	2.0	ND
	12/01/04	3.72	3.586	0.08	-153.10	24.20	Interference	ND	7.8	5.0	ND
	03/13/05	6.67	0.800	0.19	8.00	22.96	Interference	ND	12.0	5.0	ND
	06/09/05	3.74	1.429	0.13	-111.30	24.71	Interference	ND	9.8	5.0	ND
	09/06/05	3.44	0.871	0.14	-96.00	25.26	Interference	ND	9.5	5.0	ND
	12/07/05	3.96	2.015	1.03	140.40	21.84	58	ND	7.0	5.0	ND
	03/29/06	4.05	0.340	0.43	121.40	23.78	Interference	5	5.0	5.0	ND
	06/09/06	3.52	0.235	0.33	-28.40	24.84	NM	NM	NM	NM	NM
	09/24/06	3.86	0.201	0.47	-85.30	25.71	316	ND	3.4	5.0	ND
	12/08/06	3.85	0.299	0.84	75.90	20.23	Interference	ND	3.4	5.0	ND
	03/01/07	3.29	0.214	0.42	-44.40	22.33	Interference	ND	3.2	2.0	ND
	06/15/07	4.21	0.199	0.72	-76.30	24.37	Interference	ND	3.2	5.0	ND
	09/12/07	4.39	0.138	0.96	-27.60	25.80	134	2	2.6	5.0	ND
	12/05/07	4.39	0.192	1.93	-142.00	20.51	Interference	ND	2.0	2.0	1.6
	03/06/08	4.24	0.098	0.41	-81.80	21.75	141	ND	2.6	5.0	ND
	06/17/08	4.71	1.045	0.07	33.50	24.79	211	15	2.4	5.0	ND
CEF-46-26I	12/20/00	8.53	0.099	0.03	NM	23.10	24.2	NM	1.4	NM	NM
	03/14/03	6.34	0.063	4.66	3.00	26.88	ND	ND	4.6	5.0	NM
	06/05/03	3.31	2.880	0.00	-2.00	24.60	Interference	ND	9.0	5.0	NM
	09/03/03	3.40	1.990	0.12	111.00	25.14	Interference	ND	7.8	5.0	NM
	12/11/03	3.52	0.224	0.00	151.00	22.18	Interference	ND	3.0	5.0	ND
	03/18/04	3.51	0.268	NM	203.00	22.45	Interference	ND	5.0	5.0	ND
	06/08/04	2.43	3.460	0.32	284.00	24.34	Interference	ND	4.0	1.0	4.0
	09/21/04	3.69	0.280	0.00	91.00	23.88	Interference	ND	10.0	5.0	ND
	12/01/04	2.62	6.045	0.11	371.60	23.43	Interference	ND	3.33	5.0	ND
	03/13/05	2.90	5.353	0.12	250.30	24.33	Interference	ND	10.0	2.0	ND
	06/09/05	2.54	6.025	0.82	297.10	24.22	Interference	ND	10.0	5.0	ND
	09/06/05	3.40	5.927	0.06	74.90	24.57	Interference	ND	6.2	3.0	ND
	12/07/05	3.50	6.642	0.43	225.50	22.19	Interference	ND	8.0	5.0	ND
	03/29/06	2.84	3.147	0.46	498.40	23.82	Interference	ND	8.0	ND	ND
	06/09/06	2.72	2.493	0.23	281.80	24.46	Interference	ND	9.2	5.0	ND
	09/24/06	3.78	1.952	0.42	-63.80	26.59	Interference	ND	8.2	2.0	ND
	12/08/06	3.24	1.682	0.69	100.60	20.74	Interference	ND	4.5	5.0	ND
	03/01/07	2.32	1.746	0.58	280.60	22.32	Interference	ND	4.8	0.1	ND
	06/15/07	3.77	2.088	0.56	22.40	24.77	Interference	ND	6.6	2.0	ND
	09/12/07	3.41	1.769	0.47	37.40	26.15	Interference	ND	2.8	2.0	ND
	12/05/07	3.40	2.466	3.34	2.00	24.43	Interference	ND	4.4	5.0	ND
	03/06/08	3.40	1.314	0.38	21.30	21.99	Interference	ND	3.6	5.0	ND
	06/17/08	3.56	0.811	0.72	-2.50	24.35	Interference	5	6.6	5.0	ND
CEF-46-27D	12/07/05	7.67	1.491	1.08	-79.40	22.38	169	280	5.0	ND	ND
CEF-46-28I	12/07/05	4.00	5.614	0.53	84.50	21.24	Interference	ND	4.8	5.0	ND
CEF-46-29I	12/07/05	3.52	7.275	0.53	152.90	21.24	Interference	ND	7.0	5.0	ND
CEF-46-30I	12/07/05	3.64	4.614	0.29	-3.20	21.97	Interference	ND	10.0	5.0	ND
CEF-46-31I	12/07/05	3.68	6.551	0.44	71.60	21.08	Interference	ND	10.0	5.0	ND

* YSI Meter
**Dissolved Oxygen Hach Test Kit
***Well went dry after pumping 0.7 gallons, final readings not obtained.
ND = Non Detect
NM = Not Measured

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethylbenzene	Toluene	Xylene (Total)	BTEX	Methyl tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Sulfate (mg/L)	TRPH
Groundwater Criteria (GCTL) [1]		1	30	40	20	N/A	20	14	28	28	250 *	5000
Natural Attenuation Default Source		100	300	400	200	N/A	200	140	280	280	n/a	50000
CEF-46-1S	12/21/00	13000	2900	40000	19000	74900	NM	550	NM	NM	NM	23000
	01/25/01	0.28	0.44	1.4	3.2	5.32	<1.0	<1.0	NM	NM	NM	290
	03/14/03	592.0	1160.0	1190.0	4580.0	7522	619	496	<4.0	<4.0	NM	77000
	06/09/03	262.0	626.0	318.0	1070.0	2276	511	947	136	162	NM	33200
	09/03/03	350.0	735.0	575.0	2920.0	4580	365	661	133	126	NM	38300
	12/11/03	430.0	982.0	1410.0	3540.0	6362	432	501	89	117	NM	39600
	03/18/04	401.0	741.0	1160.0	2280.0	4582	486	508	61.5	98.5	NM	16200
	06/08/04	163.0	484.0	194.0	526.0	1367	310	342	36.6	76.5	NM	15400
	09/21/04	54.8Y	321Y	97.4Y	2140Y	2613.2Y	276Y	252 J3Y	24.2 J3Y	64.2 J3Y	NM	33300Y
	12/01/04	153.0	601.5	163.9	779.0	1697.4	216.1	621.4	65.6	143	NM	25200
	03/13/05	174.0	687.0	152.0	1100.0	2113	334	503	56.9	94.5	NM	23000
	06/09/05	263.0	767.0	308.0	1330.0	2668	270	316	51.3	73.0	109	41100
	09/06/05	127.0	664.0	169.0	2520.0	3480	133	897	52.6	188	97.9	51000
	12/06/05	85.9	627.0	95.8	1410.0	2218.7	844	709	20.9I	108	42.8	35500
	03/29/06	15.2	205.0	36.2	458.0	714.4	267	544	65.8	119	4.37	35300
	06/09/06	21.9	259.0	118.0	698.0	1096.9	187	322	36.7	78	24.5	17100
	09/24/06	31.6	350.0	57.1	1320.0	1767.7	140	502	76.9	111	63.0	12300
	12/09/06	12.8	131.0	37.3	194.0	375.1	23.1	187	32.2	53	11000	4130
	03/01/07	12.0	107.0	11.4	363.0	493.4	104	17.7	64.8	50.1	2090	6770
	06/15/07	34.0	159.0	9.8	391.0	593.8	150	163	30.7	49.6	1250	7430
	09/21/07	145.0	173.0	5.1	292.0	619.8	142	319	73.4	84.9	1080 MHA	11200V
	12/05/07	78.4	230.0	3.8	304.0	616.2	77.3	471	107	103.0	3270	52700
	03/06/08	63.0	199	3.09	207	472.09	97.1	337	65.1	89.0	946	36500
	06/18/08	75.9 J4	194 J4	2.61	117 J4	389.51	78.4 J4	185	22.2	32.6	469	39600 B1,S10,V
CEF-46-2S	12/21/00	300	72	51	200	623	NA	230	NM	NM	NM	3100
	01/25/01	7.3	0.96	1.5	3.3	13.06	7.1	11	NM	NM	NM	540
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	156	<2.0	<2.0	<2.0	NM	1370
	06/05/03	<1.00	<1.0	<1.0	<1.0	<1.0	54.5	<0.10	<0.10	<0.10	NM	339
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	21.3	0.24	<0.10	<0.10	NM	339
	12/11/03	<1.00	<1.0	<1.0	<3.0	<1.0	21.7	<0.10	<0.10	<0.10	NM	796
	03/18/04	12.4	<1.0	<1.0	3.7	16.1	24.3	1.4	0.16	0.21	NM	436
	06/08/04	3.72	<1.00	<1.00	<1.00	3.72	26.1	0.643 I	<2.04	<2.04	NM	530
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	8.32Y	<2.17 J3Y	<2.17 J3Y	<2.17 J3Y	NM	0.26Y
	12/01/04	118	134.6	0.5700 I	136	389.17	135.8	81.30	4.56 I	<0.214	NM	2450
	03/13/05	54.6	1.04 I	0.210 I	1.64	57.49	47.8	96.50	7.77	0.439 I	NM	1600
	06/09/05	25.9	< 0.201	< 0.142	< 0.220	25.9	17.2	<0.101	< 0.133	< 0.210	664	1850
	09/06/05	<0.143	<0.201	<0.142	< 0.220	<0.220	3.95	26.0	1.12 I	<0.203	843	NM
	09/21/05	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	341
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	4.47	<0.100	<0.133	<0.203	1880	654
	03/30/06	0.460 I	0.420 I	<0.176	<0.298	0.880 I	3.41	8.9	0.810 I	<0.203	722	1170
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	2.00	<0.100	<0.133	<0.203	442	623
	09/25/06	<0.305	<0.338	<0.257	<0.433	<0.433	1.69	<0.100	<0.133	<0.203	297	794
	12/08/06	3.18	0.600 I	<0.257	1.46	5.24	2.44	<0.100	<0.133	<0.203	415	431
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	1.06	3.44 I	2.73 I	<0.203	360	316
	06/15/07	<0.305	<0.338	<0.338	<0.433	<0.433	3.28	<0.100	<0.133	<0.203	41.0	231
	09/12/07	<0.305	<0.338	0.380 I	<0.433	0.380 I	<0.336	<0.100	<0.133	<0.203	<40.0	157 I V
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	1.02	<0.100	<0.133	<0.203	245	32 I
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	104	<18
	06/18/08	<0.270	0.240 I	<0.230	<0.860	0.240 I	<0.420	<0.909	<0.909	<0.909	163	298 V,CF2,CF6
CEF-46-3S	12/06/05	17.2	1.81 I	0.480 I	1.56 I	21.05	19.3	<0.103	<0.137	<0.209	503	40 I
CEF-46-4S	12/06/05	0.570 I	<0.201	<0.142	0.540 I	1.11 I	1.47 I	<0.103	<0.137	<0.209	255	<18

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethylbenzene	Toluene	Xylene (Total)	BTEX	Methyl tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Sulfate (mg/L)	TRPH
Groundwater Criteria (GCTL) [1]		1	30	40	20	N/A	20	14	28	28	250 *	5000
Natural Attenuation Default Source		100	300	400	200	N/A	200	140	280	280	n/a	50000
CEF-46-5I	12/21/00	850	38	13	150	1051	NM	1.6	NM	NM	NM	<550
	01/25/01	180	7.4	3.1	31	221.5	<1.0	<1.0	NM	NM	NM	<520
	03/14/03	<1.0	<1.0	<1.0	9.0	9.0	<1.0	<2.0	<2.0	<2.0	NM	<200
	06/05/03	<1.00	<1.0	<1.0	5.2	5.2	4.6	<0.10	<0.10	<0.10	NM	<106
	09/03/03	<1.00	<1.0	<1.0	6.6	6.6	66.2	<0.10	<0.10	<0.10	NM	333
	12/11/03	<1.00	<1.0	<1.0	4.1	4.1	70	<0.10	<0.10	<0.10	NM	456
	03/18/04	1.4	<1.0	1.1	3.9	6.4	28.4	<0.10	<0.10	<0.10	NM	242
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	2.3	<2.04	<2.04	<2.04	NM	<200
	09/21/04	<1.00Y	1.61Y	<1.00Y	2.93Y	4.54Y	<1.00Y	<2.20 J3Y	<2.20 J3Y	<2.20 J3Y	NM	<200Y
	12/01/04	<0.143	0.4400 I	<0.1417	<0.220	0.4400 I	<0.2359	<0.23	<0.206	<0.216	NM	120 I V
	03/13/05	1.75 I	<0.201	<0.142	1.23 I	2.98 I	3.56	<0.112	<0.148	<0.233	NM	<18
	06/09/05	< 0.143	< 0.201	< 0.142	0.950 I	0.950 I	8.65	<0.101	< 0.133	< 0.210	5440	19 I
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.100	<0.133	<0.203	462	<18
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.100	<0.133	<0.203	2520	<18
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	<0.236	<0.100	<0.133	<0.203	1660	<18
	06/09/06	0.340 I	<0.338	<0.257	<0.433	0.340 I	<0.336	<0.100	<0.133	<0.203	2380	129 I
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	1910	56 I
	12/09/06	<0.305	<0.338	<0.257	<0.433	<0.443	<0.336	<0.100	<0.133	<0.203	14400	18 I
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	3.23 I	3.05 I	99.2	<18
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	545	140 I
	09/12/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336 J4	<0.100	<0.133	<0.203	116	92 I V
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	4820	59 I
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	72.0	<18
	06/18/08	<0.270	<0.240	<0.280	<0.860	<0.860	<0.420	<1.00	<1.00	<1.00	91.0	<105
CEF-46-6D	12/21/00	2.8	9.9	6	18	36.7	NM	3.5	NM	NM	NM	<580
	02/08/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	NM	NM	NM	<500
	03/14/03	<1.0	<1.0	<1.0	6.0	6.0	<1.0	<2.0	<2.0	<2.0	NM	274
	06/09/03	<1.00	<1.0	<1.0	8.7	8.7	<1.0	<1.0	<1.0	<1.0	NM	<200
	09/03/03	<1.00	<1.0	<1.0	3.3	3.3	<1.0	<1.0	<1.0	<1.0	NM	<225
	12/10/03	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<1.0	<1.0	<1.0	NM	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.10	<0.10	<0.10	NM	<100
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.04	<2.04	<2.04	NM	<200
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<2.15 J3Y	<2.15 J3Y	<2.15 J3Y	NM	<220Y
	12/01/04	<0.143	1.180 I	<0.1417	1.35 I	2.53 I	<0.2359	<0.23	<0.208	<0.219	NM	140 I V
	03/13/05	<0.143	<0.201	<0.142	1.78 I	1.78 I	<0.236	<0.112	<0.148	<0.233	NM	<18
	06/09/05	< 0.143	< 0.201	< 0.142	1.01 I	1.01 I	< 0.236	<0.101	< 0.133	< 0.210	9580	24 I
	09/06/05	<0.143	<0.201	<0.142	0.340 I	0.340 I	<0.236	<0.100	<0.133	<0.203	7050	<18
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.100	<0.133	<0.203	8480	<18
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	<0.236	<0.100	<0.133	<0.203	8270	<18
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	7510	135 I
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.0133	<0.203	5290	36 I
	12/09/06	<0.305	<0.338	<0.257	1.22	1.22	<0.336	0.370 I	<0.133	<0.203	12400	74 I
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	12200	<18
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	0.230 I	0.220 I	11500	168 I
	09/12/07	<0.305	<0.338	0.290 I	1.51	1.80	<0.336	<0.100	0.230 I	0.220 I	1130	103 I V
	12/05/07	<0.305	<0.338	<0.257	1.56	1.56	<0.336	<0.452	0.210 I	0.280 I	34600	91 I
	03/06/08	<0.305	<0.338	<0.257	1.63	1.63	<0.336	<0.100	<0.133	<0.203	14900	<18
	06/18/08	<0.270	<0.240	<0.280	1.55 I	1.55	<0.420	<1.00	<1.00	<1.00	13500	225 V,CF2,CV6

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethylbenzene	Toluene	Xylene (Total)	BTEX	Methyl tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Sulfate (mg/L)	TRPH
Groundwater Criteria (GCTL)		1	30	40	20	N/A	20	14	28	28	250 *	5000
Natural Attenuation Default Source		100	300	400	200	N/A	200	140	280	280	n/a	50000
CEF-46-7I	12/21/00	9100	2800	17000	15000	43900	NM	260	NM	NM	NM	13000
	02/22/01	6500	1400	10000	7900	25800	6100	120	NM	NM	NM	17000
	03/14/03	945	150	86.5	904	2086	4380	<2.0	<2.0	<2.0	NM	5480
	06/09/03	678	123	51.6	752	1604.6	4190	32.4	0.42	0.24	NM	4080
	09/03/03	832	158	<10.0	697	1687.0	5140	123	6.12	7.92	NM	2530
	12/11/03	734	111	5	290	1140.0	5620	96.2	4.76	6.28	NM	5410
	03/18/04	386	66	8.5 ?	414	874.5	3460	2.15	<0.10	<0.10	NM	1900
	06/08/04	208	42.7	11.3	330	592.0	3080	3.34	<2.04	<2.04	NM	650
	09/21/04	494Y	38.1Y	9.99Y	387Y	929.09Y	2190Y	0.242 J3, IY	<2.20 J3Y	<2.20 J3Y	NM	980Y
	12/01/04	833	144.9	10.30	631	1619.2	1943	131.2	5.18	8.13	NM	1770
	03/13/05	775	176	3.26	269	1223.3	1480	128	5.39	7.40	NM	1570
	06/09/05	394	127	2.79	199	722.79	628	<0.101	< 0.133	< 0.210	279	1380
	09/06/05	92.9	41.3	2.52	95.6	232.32	1730	<0.100	<0.133	<0.203	167	1280
	12/06/05	651	144	11.3 I	357	1163.3	2140	28.6	<0.148	<0.226	54.6	970
	03/30/06	146	26.0	0.650 I	29	201.65	1290	33.7	0.900 I	1.10 I	37.1	<18
	06/09/06	207	33.2	0.310 I	11.4	251.91	652	60.7	2.67 I	1.24 I	33.0	832
	09/25/06	162	25.4	0.310 I	5.07	192.78	296L	75.1	2.96 I	0.510 I	28.6	544
	12/08/06	<0.305	0.490 I	<0.257	<0.433	0.490 I	372	<0.100	<0.133	<0.203	139.0	<18
	03/01/07	74.0	11.8 I	<5.14	<8.65	62.2	450	29.1	3.72 I	<0.203	35.0	224
	06/15/07	115	15.0	0.360 I	2.81	133.2	338	20.0	1.04 I	<0.203	25.2	397
	09/12/07	81.9	9.91	0.290 I	0.840 I	92.94	198	18.8	1.01 I	<0.203	18.3	314 V
	12/05/07	84.1	12.4	0.380 I	0.970 I	97.85	213	30.8	1.45 I	<0.203	147	221
	03/06/08	64.2	11.0	<0.257	0.830	76.00	147 J4	13.6	1.20	<0.203	14.7	132
	06/18/08	43.4	8.28	<0.280	<0.860	51.68	81.9	13.0	1.81 I	<1.00	14.0	376 V,CF2,CF6
CEF-46-8I	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	13.6	<0.103	<0.137	<0.209	13.3	<18
CEF-46-9I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NM	<1.1	NM	NM	NM	<570
	01/25/01	<1.0	<1.0	<1.0	<1.0	<4.0	1.3	<1.0	NM	NM	NM	<500
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NM	<200
	06/04/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NM	<211
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	0.22	<1.0	<1.0	NM	<225
	12/10/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	0.22	<1.0	<1.0	NM	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.11	<0.11	<0.11	NM	<111
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.20	<2.20	<2.20	NM	<210
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	3.92Y	<2.20 J3Y	<2.20 J3Y	<2.20 J3Y	NM	220Y
	12/01/04	<0.143	0.5500 I	<0.1417	0.440 I	0.990 I	28.85	0.32 I	<0.202	<0.212	NM	80 I V
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	16.0	<0.101	<0.133	<0.210	NM	<18
	06/09/05	< 0.143	0.420 I	< 0.142	0.550 I	0.970 I	13.5	<0.101	< 0.133	< 0.210	253	< 18
	09/06/05	< 0.143	<0.201	<0.142	0.220 I	0.220 I	79.7	<0.100	<0.133	<0.203	288 ?	< 18
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	48.1	<0.100	<0.133	<0.203	486	<18
	03/30/06	0.260 I	<0.126	<0.176	<0.298	<0.298	24.2	<0.100	<0.133	<0.203	556	191
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	12.7	<0.100	<0.133	<0.203	380	452
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	14.6	<0.100	<0.133	<0.203	114	54 I
	12/08/06	<0.305	<0.338	<0.257	<0.433	<0.433	9.52	<0.100	<0.133	<0.203	228	<18
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	7.19	<0.100	2.71 I	2.35 I	137	<18
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	9.60	<0.100	<0.133	<0.203	187	119 I
	09/12/07	<0.305	<0.338	0.270 I	<0.433	0.270 I	<0.336	<0.100	<0.133	<0.203	97.0	53 I V
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	0.800 I	<0.100	<0.133	<0.203	35.7	<18
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	80.7	<18
	06/18/08	<0.270	<0.240	<0.280	<0.860	<0.860	<0.420	<1.00	<1.00	<1.00	36.8	339 V,CF2,CF6
CEF-46-10I	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.102	<0.136	<0.207	9.04	<18
CEF-46-11I	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.105	<0.140	<0.214	17.4	<18

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethylbenzene	Toluene	Xylene (Total)	BTEX	Methyl tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Sulfate (mg/L)	TRPH
Groundwater Criteria (GCTL) [1]		1	30	40	20	N/A	20	14	28	28	250 *	5000
Natural Attenuation Default Source		100	300	400	200	N/A	200	140	280	280	n/a	50000
CEF-46-12I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NM	<1.1	NM	NM	NM	<530
	01/24/01	<1.0	<1.0	<1.0	<1.0	<4.0	14	<1.0	NM	NM	NM	<520
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NM	<200
	06/05/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0 10	<0.10	<0.10	NM	<100
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<225
	12/11/03	<1.00	<1.0	<1.0	<3.0	<1.0	2.2	<0.10	<0.10	<0.10	NM	<200
	03/18/04	<1.00	<1.0	<1.0	<3.0	<3.0	79.9	<0.10	<0.10	<0.10	NM	<222
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	502	<2.20	<2.20	<2.20	NM	<200
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	18.9Y	<2.00 J3Y	<2.00 J3Y	<2.00 J3Y	NM	<200Y
	12/01/04	<0.143	<0.2010	<0.1417	<0.220	<0.220	8.480	<0.22	<0.200	<0.210	NM	240 I V
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	0.450 I	<0.101	<0.133	<0.210	NM	<18
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.101	< 0.133	< 0.210	47.5	< 18
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.100	<0.133	<0.203	57.1	< 18
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.100	<0.133	<0.203	43.9	<18
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	0.310 I	<0.100	<0.133	<0.203	47.8	<18
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	49.9	70 I
	09/25/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	63	<18
	12/08/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.335	<0.100	<0.133	<0.203	68.3	<18
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	3.47 I	2.73 I	<0.203	49.2	<18
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	45.8	83 I
	09/12/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	45.0	38 I V
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	44.8	<18
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	49.3	<18
	06/17/08	<0.270	<0.240	<0.280	<0.860	<0.860	<0.420	<1.00	<1.00	<1.00	55.0	204 V,I
CEF-46-13I	12/20/00	<1.0	<1.0	<1.0	0.45	0.45	NM	0.89	NM	NM	NM	<540
	01/24/01	<1.0	<1.0	1.5	0.62	2.12	280	0.6	NM	NM	NM	320
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	318	<2.0	<2.0	<2.0	NM	276
	06/05/03	1.10	<1.0	<1.0	<1.0	1.1	254	0.19	<0.10	<0.10	NM	<100
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	240	0.12	<0.10	<0.10	NM	<225
	12/11/03	<1.00	<1.0	<1.0	<0.30	<1.0	114	0.5	<0.10	<0.10	NM	208
	03/18/04	<1.00	<1.0	<1.0	<3.0	<3.0	60.7	<0.10	<0.10	<0.10	NM	<250
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	83.8	<2.02	<2.02	<2.02	NM	<220
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	149Y	<2.22 J3Y	<2.22 J3Y	<2.22 J3Y	NM	<200Y
	12/01/04	<0.143	0.9000 I	<0.1417	1.29 I	2.19 I	337.5	<0.22	<0.202	<0.212	NM	150 I V
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	133	<0.101	<0.133	<0.210	NM	<18
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	62.7	<0.101	< 0.133	< 0.210	481	< 18
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	1.75 I	<0.100	< 0.133	<0.203	519	< 18
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	0.880 I	<0.100	<0.133	<0.203	189	<18
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	0.400 I	<0.100	<0.133	<0.203	104	<18
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	54.3	96 I
	09/25/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	33.5	<18
	12/08/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	42.6	<18
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	29.2	<18
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	26.8	66 I
	09/12/07	<0.305	<0.338	0.300 I	<0.433	0.300 I	<0.336	<0.100	<0.133	<0.203	<20.0	38 I V
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.100	<0.203	25.1	<18
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.100	<0.203	51.7	<18
	06/17/08	<0.270	<0.240	<0.280	<0.860	<0.860	<0.420	<0.952	<0.952	<0.952	28.7	341 V,CF2,CF6

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethylbenzene	Toluene	Xylene (Total)	BTEX	Methyl tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Sulfate (mg/L)	TRPH
Groundwater Criteria (GCTL) [1]		1	30	40	20	N/A	20	14	28	28	250 *	5000
Natural Attenuation Default Source		100	300	400	200	N/A	200	140	280	280	n/a	50000
CEF-46-14D	12/20/00	<1.0	<1.0	0.42	0.37	0.79	NM	<1.1	NM	NM	NM	<550
	01/24/01	<1.0	<1.0	<1.0	0.23	0.23	<1.0	<1.0	NM	NM	NM	<530
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NM	248
	06/04/03	<1.00	<1.0	<1.0	<1.0	<1.0	1	<0.10	<0.10	<0.10	NM	<211
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<225
	12/10/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	4.2	<0.10	<0.10	<0.10	NM	<100
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	2.4	<2.20	<2.20	<2.20	NM	<220
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	2.97Y	<2.20 J3Y	<2.20 J3Y	<2.20 J3Y	NM	<200Y
	12/01/04	<0.143	<0.2010	<0.1417	<0.220	<0.220	2.500	<0.22	<0.204	<0.214	NM	80 I V
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	3.190	<0.101	<0.133	<0.210	NM	<20
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	1.38 I	<0.101	< 0.133	< 0.210	5.16	< 20
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	5.30	<0.100	< 0.133	<0.203	29.3 ?	<18
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	8.21	<0.111	<0.148	<0.226	15.3	<18
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	1.07	<0.100	<0.133	<0.203	2.12	<18
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<2.00	94 I
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	2.91 J4	<18
	12/08/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<2.00	52 I
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	2.72 I	2.39 I	<2.00	<18
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<2.00	83 I
	09/12/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<200 J4	39 I V
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<2.00	<18
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<2.00	<18
	06/17/08	<0.270	<0.240	<0.280	<0.860	<0.860	<0.420	<0.971	<0.971	<0.971	<0.500	<105
CEF-46-15I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NM	<1.1	NM	NM	NM	<550
	01/24/01	0.17	<1.0	<1.0	<1.0	0.17	<1.0	<1.0	NM	NM	NM	<530
	03/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.4	<2.4	<2.4	NM	<200
	06/04/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<222
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<225
	12/10/03	<1.00	<1.0	<1.0	<3.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.11	<0.11	<0.11	NM	<100
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.20	<2.20	<2.20	NM	<220
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<2.11Y	<2.11 J3Y	<2.11 J3Y	NM	<220Y
	12/01/04	<0.143	<0.2010	<0.1417	<0.220	<0.220	<0.2359	<0.23	<0.206	<0.216	NM	110 I V
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.101	<0.133	<0.210	NM	<18.0
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.101	< 0.133	< 0.210	25.6	< 20
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.100	< 0.133	<0.203	34.8 ?	<18
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.111	<0.148	<0.226	20.3	<18
	03/30/06	<0.140	<0.126	<0.176	<0.298	<0.298	<0.236	<0.100	<0.133	<0.203	29.8	<18
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	26.7	28 I
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	23.9	<18
	12/08/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	33.8	<18
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	3.42 I	<0.133	<0.203	29.8	<18
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	26.7	133 I
	09/12/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	23.5	70 I V
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	25.6	<18
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	34.3	<18
	06/17/08	<0.270	<0.240	<0.280	<0.860	<0.860	<0.420	<1.00	<1.00	<1.00	32.7	118 V, I
CEF-46-16I	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.102	<0.136	<0.207	20.5	<18

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethylbenzene	Toluene	Xylene (Total)	BTEX	Methyl-tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Sulfate (mg/L)	TRPH
Groundwater Criteria (GCTL) [1]		1	30	40	20	N/A	20	14	28	28	250 *	5000
Natural Attenuation Default Source		100	300	400	200	N/A	200	140	280	280	n/a	50000
CEF-46-17D	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	27.4	<0.105	<0.140	<0.214	982	158 I
CEF-46-18I	12/07/05	<0.143	<0.201	<0.142	0.440 I	0.440 I	1.17 I	<0.111	<0.148	<0.226	84.2	<20
CEF-46-19I	12/07/05	21.6	0.640 I	<0.142	4.86	26.46	27.7	<0.103	<0.137	<0.209	1230	<20
CEF-46-20I	12/07/05	<0.143	<0.201	<0.142	<0.220	<0.220	0.940 I	<0.109	<0.145	<0.221	112	<18
CEF-46-21I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NM	<1.1	NM	NM	NM	<550
	01/25/01	0.25	<1.0	0.7	<1.0	0.95	<1.0	<1.0	NM	NM	NM	300
	03/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.2	<2.2	<2.2	NM	<200
	06/05/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<100
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	0.18	0.27	0.2	NM	308
	12/11/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<200
	03/18/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.10	<0.10	<0.10	NM	<222
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.04	<2.04	<2.04	NM	<200
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<2.20Y	<2.20 J3Y	<2.20 J3Y	NM	<220Y
	12/01/04	<0.143	<0.2010	<0.1417	<0.220	<0.220	<0.2359	<0.23	<0.206	<0.216	NM	100 I V
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.101	<0.133	<0.210	NM	<18
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.101	< 0.133	< 0.210	14.1	< 18
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.100	<0.133	<0.203	29.5	< 18
	12/07/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.111	<0.148	<0.226	10.6	<20
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	<0.236	<0.100	<0.133	<0.203	14.9	<18
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	12.6	76 I
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	26.2	35 I
	12/08/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	34.2	<18
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	31.9	<18
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	61.4	156 I
	09/12/07	<0.305	<0.338	0.410 I	<0.433	0.410 I	<0.336	<0.100	<0.133	<0.203	27.7	238 V
	12/05/07	<0.305	<0.0338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	28.0	<18
	03/06/08	<0.305	<0.0338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	34.9	<18
	06/18/08	<0.270	<0.240	<0.280	<0.860	<0.860	<0.420	<1.00	<1.00	<1.00	51.1	<110 CF2,CF6,U
CEF-46-22I	12/07/05	<0.143	<0.201	<0.142	0.570 I	0.570 I	<0.236	<0.105	<0.140	<0.214	1000	<20
CEF-46-23D	12/07/05	0.900 I	2.04	1.48 I	40.7	45.12	0.320 I	<0.111	<0.148	<0.226	6310	102 I
CEF-46-24D	12/20/00	<1.0	<1.0	0.47	0.41	0.88	NM	<1.1	NM	NM	NM	<500
	01/25/01	8.3	0.81	1	2	12.11	<1.0	<1.0	NM	NM	NM	<510
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NM	<200
	06/05/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<100
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<225
	12/10/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.10	<0.10	<0.10	NM	<100
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.20	<2.20	<2.20	NM	<200
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<2.04Y	<2.04 J3Y	<2.04 J3Y	NM	<200Y
	12/01/04	<0.143	<0.2010	<0.1417	<0.220	<0.220	<0.2359	0.40 I	<0.200	<0.210	NM	130 I V
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.101	<0.133	<0.210	NM	<18
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.101	< 0.133	< 0.210	2030	< 20
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.100	<0.133	<0.203	1840	<18
	12/07/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.100	<0.133	<0.203	2120	<22
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	<0.236	<0.100	<0.133	<0.203	1800	<18
	06/09/06	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	1430	125 I
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	732	31 I
	12/08/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	737	34 I
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	3.42 I	<0.133	<0.203	596	<18
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	420	109 I
	09/12/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	217	40 I V
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	414	245
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	151	<18
	06/17/08	<0.270	<0.240	<0.280	<0.860	<0.860	<0.420	<0.952	<0.952	<0.952	398	184 H2,I

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

BUILDING 46
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well	Date	Benzene	Ethylbenzene	Toluene	Xylene (Total)	BTEX	Methyl-tert-butyl ether	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Sulfate (mg/L)	TRPH
Groundwater Criteria (GCTL) [1]		1	30	40	20	N/A	20	14	28	28	250 *	5000
Natural Attenuation Default Source		100	300	400	200	N/A	200	140	280	280	n/a	50000
CEF-46-25I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NM	<1.1	NM	NM	NM	<560
	01/25/01	0.25	<1.0	<1.0	0.42	0.67	<1.0	<1.0	NM	NM	NM	320
	03/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.3	<2.3	<2.3	NM	<200
	06/04/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<200
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<225
	12/10/03	<1.00	<1.0	<1.0	<3.0	<1.0	<1.0	<0.10	<0.10	<0.10	NM	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.10	<0.10	<0.10	NM	<111
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.02	<2.02	<2.02	NM	<200
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<2.11Y	<2.11 J3Y	<2.11 J3Y	NM	<220Y
	12/01/04	<0.143	0.4800 I	<0.1417	<0.220	0.4800 I	<0.2359	<0.22	<0.204	<0.214	NM	100 I V
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.101	<0.133	<0.210	NM	<18
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.101	< 0.133	< 0.210	622	< 20
	09/06/05	<0.143	<0.201	<0.142	0.590 I	<0.220	< 0.236	0.260 I	< 0.133	<0.203	477	< 20
	12/07/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.102	<0.136	<0.207	271	<20
	03/29/06	<0.140	0.126	<0.176	<0.298	<0.298	<0.236	<0.100	<0.133	<0.203	93.2	<18
	06/09/06	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	65.1	68 I
	09/24/06	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	33.0	38.0 I
	12/09/06	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	0.890 I	<0.133	<0.203	94.9	55 I
	03/01/07	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	<0.100	2.69 I	<0.203	67.4	<18
	06/15/07	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	61.7	135 I
	09/12/07	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	42.3	111 I V
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	1.68	0.230 I	0.260 I	23.9	39 I
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	0.280	<0.133	<0.203	43.4	<18
	06/18/08	<0.270	<0.240	<0.280	<0.860	<0.860	<0.420	<0.952	<0.952	<0.952	23.2	<110
CEF-46-26I	12/20/00	1300	78	41	310	1729	NM	<1.1	NM	NM	NM	<530
	01/25/01	2400	270	100	820	3590	<5.0	<1.0	NM	NM	NM	890
	03/14/03	866	23.3	5.4	199	1094	15.9	<2.0	<2.0	<2.0	NM	628
	06/05/03	845	30	<10.0	314	1189	21	<0.10	<0.10	<0.10	NM	598
	09/03/03	902	24	<10.0	347	1273	17.0	<0.10	<0.10	<0.10	NM	488
	12/11/03	693	16.5	7.9	198	915	19.4	<0.10	<0.10	<0.10	NM	954
	03/18/04	870	8.3	6.3 ?	162	1046.6	20.3	<2.20	<2.20	<2.20	NM	380
	06/08/04	832	87.9	47.7	371	1338.6	25.4	0.13	<0.10	<0.10	NM	524
	09/21/04	184Y	27.7Y	7.84Y	233Y	452.54Y	141Y	<2.04Y	<2.04 J3Y	<2.04 J3Y	NM	280Y
	12/01/04	168	16.67	6.42	128	319.09	12.05	0.56 I	<0.206	<0.216	NM	1500
	03/13/05	5.17	2.03	0.420 I	17.6	25.22	1.83 I	0.216 I	<0.133	<0.210	NM	59 I
	06/09/05	9.21	4.68	0.570 I	42.4	56.86	2.33	<0.101	< 0.133	< 0.210	3190	1730
	09/06/05	1.16 I	0.900 I	<0.142	13.3	15.36	<0.236	<0.100	<0.133	<0.203	2300	67 I
	12/07/05	6.72	0.740 I	<0.142	11.5	18.96	0.480 I	<0.100	<0.133	<0.203	1890	<18
	03/29/06	1.00	0.490 I	<0.176	9.64	11.13	1.89	<0.100	<0.133	<0.203	415	390
	06/09/06	0.460 I	<0.338	<0.257	5.35	5.81	0.380 I	<0.100	<0.133	<0.203	1460	107 I
	09/24/06	0.490 I	<0.338	<0.257	4.10	5.05	<0.336	<0.100	<0.133	<0.203	876	19 I
	12/08/06	0.730 I	<0.338	<0.257	3.96	4.69	<0.336	<0.100	<0.133	<0.203	1190	20 I
	03/01/07	0.850 I	<0.338	<0.257	3.57	4.42	<0.336	<0.100	<0.133	<0.203	804	<18
	06/15/07	0.340 I	<0.338	<0.257	1.62	1.960	0.440 I	<0.100	<0.133	<0.203	1840	167 I
	09/12/07	0.350 I	<0.338	0.290 I	1.13	1.77	<0.336	<0.100	<0.133	<0.203	1280	136 I V
	12/05/07	<0.305	<0.338	<0.257	1.78	1.78	<0.336	<0.100	<0.133	<0.203	1060	72 I
	03/06/08	<0.305	<0.338	<0.257	1.34	1.34	<0.336	<0.100	<0.133	<0.203	170	172
	06/17/08	<0.270	<0.240	<0.280	<0.860	<0.860	<0.420	<0.952	<0.952	<0.952	398	<105 CF2,CF6,U
CEF-46-27D	12/07/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.101	<0.134	<0.205	2.22	<18
CEF-46-28I	12/07/05	13.6	<0.201	<0.142	1.34 I	14.94	10.6	<0.109	<0.145	<0.221	1300	<18
CEF-46-29I	12/07/05	19.8	<0.201	<0.142	2.46	22.26	0.350 I	<0.103	<0.137	<0.209	2220	<18
CEF-46-30I	12/07/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.111	<0.148	<0.226	721	<18
CEF-46-31I	12/07/05	0.560 I	<0.201	<0.142	<0.220	0.560 I	<0.236	<0.111	<0.148	<0.226	2120	<20

Table 3 Data Qualifiers, Definitions and Notes

All values reported in ug/L unles otherwise noted
* GCTL Reported in mg/L
1 = Ch 62-777 F.A.C Groundwater Cleanup Target Levels (GCTL) reported in ug/L unless otherwise noted by "*"
Concentration exceeds the GCTL value
Concentration exceeds the NADSC value
TRPH = Total Recoverable Petroleum Hydrocarbons
NM = Not Measured
N/A = Not applicable
? = Rejected during data validation
V = the analyte was detected in both the sample and the associated method blank
L = Off-scale high, actual value is known to be greater than the value given.
CF2 = Confirmatory analysis was past holding time
CF6 = Results confirmed by reanalysis
H2 = Initial analysis within holding time. Reanalysis for the required dilution of confirmation was past holding time
I = The reported vlaue is between the laboratory MDL and RL
U = The compound was analyzed for but not detected
J4 = The sample matrix interfered with the ability to make an accurate determination
B1 = Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank
S10 = Insufficient sample available for reanalysis

APPENDIX A

GROUNDWATER SAMPLING LOGS

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GROUNDWATER SAMPLING LOG

SITE NAME: Building 46 - Cecil Field LTM/RAO		SITE LOCATION: Jacksonville	
WELL NO: CEF-046-05I	SAMPLE ID: 04-41001/3:CEF-046-05I:6/18/08		DATE: 06/18/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 11.49	PURGE PUMP TYPE OR SAMPLER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (50.50 feet – 11.49 feet) X 0.16 gallons/foot = 6.37 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
=0.00 gallons+(0.01 gallons/foot X 52.50 feet)+ 0.13 gallons = 0.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48.50	PURGING INITIATED AT: 11:15	PURGING ENDED AT: 11:50	TOTAL VOLUME PURGED (gallons): 0.70

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:32		0.40	11.76	3.76	27.00	302.00	0.21	1.57	clear	none
11:40	0.10	0.50	11.76	3.86	27.21	300.00	0.95	3.17	clear	none
11:45	0.20	0.70	11.76	3.85	27.32	298.00	0.32	2.29	clear	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings				Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)	
DO(mg/L):	0.32	TEMP.(°C):	27.32	DO:	0	CO2:	116	DO High Range:	DO Low Range:
SEC(uS/cm):	298	pH:	3.85	Alkalinity:	5	Ferrous Iron:	3.6	CO2 High Range:	DO Low Range:
ORP(mV):	68.8	TURB(NTU):	2.29	H2S:	0.1	Maganese:		Alkalinity High Range:	Alkalinity Low Range:
Salinity:				Sulfate:		Sulfide:			
				Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES: DM	SAMPLING INITIATED AT: 11:50	SAMPLING ENDED AT: 12:50
PUMP OR TUBING DEPTH IN WELL (feet): 48.50	SAMPLE PUMP FLOW RATE (mL per minute): 75.71	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | Filtration Equipment Type: | FILTER SIZE: NA | DUPLICATE: ☐ Y ☑ N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-05I	2	AG	1 L	HCL	1 L	3.85	TRPH by FL-PRO	VT
CEF-046-05I	2	PE	250 ml	None	250 ml	3.85	Sulfate by EPA series 300.0	PP
CEF-046-05I	2	AG	1 L	None	1 L	3.85	PAHs (8270C)	VT
CEF-046-05I	3	CG	40 ml	HCL	40 ml	3.85	BTEX and MTBE only (8260B)	RFPP

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES:

1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

SITE NAME: Building 46 - Cecil Field LTM/RAO		SITE LOCATION: Jacksonville	
WELL NO: CEF-046-14D	SAMPLE ID: 04-41001/3:CEF-046-14D:6/17/08		DATE: 06/17/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 10.21	PURGE PUMP TYPE OR SAMPLER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (80.00 feet – 10.21 feet) X 0.16 gallons/foot = 11.39 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
=0.00 gallons+(0.01 gallons/foot X 82.00 feet)+ 0.13 gallons = 0.60 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 78.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 78.00	PURGING INITIATED AT: 14:55	PURGING ENDED AT: 15:25	TOTAL VOLUME PURGED (gallons): 0.90

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
15:10		0.40	10.41	5.13	27.29	82.00	2.93	1.83	clear	none
15:15	0.20	0.60	10.35	5.36	27.90	81.00	1.82	1.41	clear	none
15:20	0.20	0.80	10.35	5.17	28.51	82.00	0.86	0.98	clear	none
15:23	0.10	0.90	10.34	5.16	28.71	82.00	0.75	0.87	clear	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings				Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)	
DO(mg/L):	0.75	TEMP.(°C):	28.71	DO:	0	CO2:	115	DO High Range:	DO Low Range:
SEC(uS/cm):	82	pH:	5.16	Alkalinity:	30	Ferrous Iron:	2.0	CO2 High Range:	DO Low Range:
ORP(mV):	-59.6	TURB(NTU):	0.87	H2S:	0.7	Maganese:		Alkalinity High Range:	Alkalinity Low Range:
Salinity:				Sulfate:		Sulfide:			
				Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES: DM	SAMPLING INITIATED AT: 15:25	SAMPLING ENDED AT: 16:10
PUMP OR TUBING DEPTH IN WELL (feet): 78.00	SAMPLE PUMP FLOW RATE (mL per minute): 113.56	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N FIELD-FILTERED: ☐ Y ☑ N FILTER SIZE: NA DUPLICATE: ☐ Y ☑ N
Filtration Equipment Type:

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-14D	2	AG	1 L	HCL	1 L	5.16	TRPH by FL-PRO	VT
CEF-046-14D	2	AG	1 L	None	1 L	5.16	PAHs (8270C)	VT
CEF-046-14D	3	CG	40 ml	HCL	40 ml	5.16	BTEX and MTBE only (8260B)	RFPP
CEF-046-14D	2	PE	250 ml	None	250 ml	5.16	Sulfate by EPA series 300.0	PP

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES:

1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

SITE NAME: Building 46 - Cecil Field LTM/RAO		SITE LOCATION: Jacksonville	
WELL NO: CEF-046-09I	SAMPLE ID: 04-41001/3:CEF-046-09I:6/18/08		DATE: 06/18/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 10.88	PURGE PUMP TYPE OR SAMPLER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (50.50 feet – 10.88 feet) X 0.16 gallons/foot = 6.47 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
=0.00 gallons+(0.01 gallons/foot X 52.50 feet)+ 0.13 gallons = 0.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48.50	PURGING INITIATED AT: 7:15	PURGING ENDED AT: 7:40	TOTAL VOLUME PURGED (gallons): 0.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
7:34		0.30	10.86	3.99	25.89	153.00	1.35	1.80	clear	none
7:37	0.10	0.40	10.86	4.02	25.80	148.00	0.98	1.50	clear	none
7:40	0.10	0.50	10.86	4.02	25.87	146.00	0.96	1.20	clear	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)		CHEMetrics Field Data(mg/L)	
DO(mg/L): 0.96	TEMP.(°C): 25.87	DO: 0	CO2: 400	DO High Range:	DO Low Range:
SEC(uS/cm): 146	pH: 4.02	Alkalinity: 15	Ferrous Iron: 3.2	CO2 High Range:	DO Low Range:
ORP(mV): -39.1	TURB(NTU): 1.2	H2S: 5.0	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:	Sulfide:		
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES: DM	SAMPLING INITIATED AT: 7:40	SAMPLING ENDED AT: 8:25
PUMP OR TUBING DEPTH IN WELL (feet): 48.50	SAMPLE PUMP FLOW RATE (mL per minute): 75.71	TUBING MATERIAL CODE: PPE	
FIELD DECONTAMINATION: ☑ Y ☐ N	FIELD-FILTERED: ☐ Y ☑ N Filtration Equipment Type:	FILTER SIZE: NA	DUPLICATE: ☐ Y ☑ N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-09I	3	CG	40 ml	HCL	40 ml	4.02	BTEX and MTBE only (8260B)	RFPP
CEF-046-09I	2	AG	1 L	None	1 L	4.02	PAHs (8270C)	VT
CEF-046-09I	2	AG	1 L	HCL	1 L	4.02	TRPH by FL-PRO	VT
CEF-046-09I	2	PE	250 ml	None	250 ml	4.02	Sulfate by EPA series 300.0	PP

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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Industrial & Environmental Services

GROUNDWATER SAMPLING LOG

SITE NAME:	Building 46 - Cecil Field LTM/RAO	SITE LOCATION:	Jacksonville
WELL NO:	CEF-046-01S	SAMPLE ID: 04-41001/3:CEF-046-01S:6/18/08	DATE: 06/18/2008

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR SAMPLER:
2.00	0.25		10.47	Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (15.00 feet – 10.47 feet) X 0.16 gallons/foot = 0.74 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
=0.00 gallons+(0.00 gallons/foot X 17.00 feet)+ 0.13 gallons = 0.18 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
13.00	13.00	12:30	12:55	0.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:45		0.60	12.31	4.95	27.68	1,188.00	1.40	16.00	clear	strong HC
12:48	0.10	0.70	12.32	4.93	27.78	1,151.00	1.22	11.00	clear	strong HC
12:51	0.10	0.80	12.32	4.87	27.87	1,135.00	1.08	5.40	clear	strong HC

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings				Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)	
DO(mg/L):	1.08	TEMP.(°C):	27.87	DO:	0	CO2:	Interference	DO High Range:	DO Low Range:
SEC(uS/cm):	1,135	pH:	4.87	Alkalinity:	Did not work	Ferrous Iron:	6.0	CO2 High Range:	DO Low Range:
ORP(mV):	-36.5	TURB(NTU):	5.4	H2S:	5+	Maganese:		Alkalinity High Range:	Alkalinity Low Range:
Salinity:				Sulfate:		Sulfide:			
				Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES: DM	SAMPLING INITIATED AT: 12:55	SAMPLING ENDED AT: 13:30
PUMP OR TUBING DEPTH IN WELL (feet): 13.00	SAMPLE PUMP FLOW RATE (mL per minute): 121.13	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: NA | DUPLICATE: ☐ Y ☑ N
Filtration Equipment Type:

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-01S	2	AG	1 L	None	1 L	4.87	PAHs (8270C)	VT
CEF-046-01S	3	CG	40 ml	HCL	40 ml	4.87	BTEX and MTBE only (8260B)	RFPP
CEF-046-01S	2	AG	1 L	HCL	1 L	4.87	TRPH by FL-PRO	VT
CEF-046-01S	2	PE	250 ml	None	250 ml	4.87	Sulfate by EPA series 300.0	PP

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

SITE NAME: Building 46 - Cecil Field LTM/RAO		SITE LOCATION: Jacksonville	
WELL NO: CEF-046-24D	SAMPLE ID: 04-41001/3:CEF-046-24D:6/17/08		DATE: 06/17/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 11.25	PURGE PUMP TYPE OR SAMPLER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (90.45 feet – 11.25 feet) X 0.16 gallons/foot = 12.93 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
=0.00 gallons+(0.01 gallons/foot X 92.45 feet)+ 0.13 gallons = 0.66 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 88.45	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 88.45	PURGING INITIATED AT: 17:55	PURGING ENDED AT: 18:18	TOTAL VOLUME PURGED (gallons): 0.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
18:10		0.30	11.22	3.75	25.15	735.00	0.15	3.00	clear	none
18:13	0.10	0.40	11.22	3.80	25.07	729.00	0.12	1.30	clear	none
18:16	0.10	0.50	11.22	3.82	25.01	730.00	0.11	1.50	clear	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)		CHEMetrics Field Data(mg/L)	
DO(mg/L): 0.11	TEMP.(°C): 25.01	DO: 0	CO2: Interference	DO High Range:	DO Low Range:
SEC(uS/cm): 730	pH: 3.82	Alkalinity: 10	Ferrous Iron: 3.0	CO2 High Range:	DO Low Range:
ORP(mV): 77.7	TURB(NTU): 1.5	H2S: 0.7	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:	Sulfide:		
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES: DM	SAMPLING INITIATED AT: 18:18	SAMPLING ENDED AT: 19:00
PUMP OR TUBING DEPTH IN WELL (feet): 88.45	SAMPLE PUMP FLOW RATE (mL per minute): 82.29	TUBING MATERIAL CODE: PPE	
FIELD DECONTAMINATION: ☑ Y ☐ N	FIELD-FILTERED: ☐ Y ☑ N Filtration Equipment Type:	FILTER SIZE: NA	DUPLICATE: ☐ Y ☑ N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-24D	2	PE	250 ml	None	250 ml	3.82	Sulfate by EPA series 300.0	PP
CEF-046-24D	2	AG	1 L	None	1 L	3.82	PAHs (8270C)	VT
CEF-046-24D	3	CG	40 ml	HCL	40 ml	3.82	BTEX and MTBE only (8260B)	RFPP
CEF-046-24D	2	AG	1 L	HCL	1 L	3.82	TRPH by FL-PRO	VT

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

SITE NAME: Building 46 - Cecil Field LTM/RAO		SITE LOCATION: Jacksonville	
WELL NO: CEF-046-26I	SAMPLE ID: 04-41001/3:CEF-046-26I:6/17/08		DATE: 06/17/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 12.76	PURGE PUMP TYPE OR SAMPLER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (47.76 feet – 12.76 feet) X 0.16 gallons/foot = 5.71 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
=0.00 gallons+(0.01 gallons/foot X 49.76 feet)+ 0.13 gallons = 0.42 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 45.76	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 45.76	PURGING INITIATED AT: 18:00	PURGING ENDED AT: 18:45	TOTAL VOLUME PURGED (gallons): 1.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
18:10		0.30	12.75	3.47	23.74	850.00	2.52	47.90	clear	sulfuric
18:15	0.20	0.50	12.75	3.53	24.06	821.00	1.27	37.90	clear	sulfuric
18:22	0.20	0.70	12.75	3.55	24.30	817.00	0.91	27.90	clear	sulfuric
18:27	0.10	0.80	12.76	3.56	24.31	811.00	0.80	29.50	clear	sulfuric
18:31	0.10	0.90	12.75	3.55	24.30	807.00	0.76	17.10	clear	sulfuric
18:36	0.20	1.10	12.75	3.56	24.34	810.00	0.73	14.44	clear	sulfuric
18:41	0.10	1.20	12.75	3.56	24.35	811.00	0.72	9.90	clear	sulfuric

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings				Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)	
DO(mg/L):	0.72	TEMP.(°C):	24.35	DO:	0	CO2:	Interference	DO High Range:	DO Low Range:
SEC(uS/cm):	811	pH:	3.56	Alkalinity:	5	Ferrous Iron:	6.6	CO2 High Range:	DO Low Range:
ORP(mV):	-2.5	TURB(NTU):	9.9	H2S:	5.0	Maganese:		Alkalinity High Range:	Alkalinity Low Range:
Salinity:				Sulfate:		Sulfide:			
				Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES: DM	SAMPLING INITIATED AT: 18:45	SAMPLING ENDED AT: 19:30
PUMP OR TUBING DEPTH IN WELL (feet): 45.76	SAMPLE PUMP FLOW RATE (mL per minute): 100.94	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: NA | DUPLICATE: ☐ Y ☑ N
Filtration Equipment Type:

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-26I	3	CG	40 ml	HCL	40 ml	3.56	BTEX and MTBE only (8260B)	RFPP
CEF-046-26I	2	AG	1 L	HCL	1 L	3.56	TRPH by FL-PRO	VT
CEF-046-26I	2	AG	1 L	None	1 L	3.56	PAHs (8270C)	VT
CEF-046-26I	2	PE	250 ml	None	250 ml	3.56	Sulfate by EPA series 300.0	PP

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GROUNDWATER SAMPLING LOG

SITE NAME: Building 46 - Cecil Field LTM/RAO		SITE LOCATION: Jacksonville	
WELL NO: CEF-046-26I	SAMPLE ID: 04-41001/3:CEF-046-26I:6/17/08		DATE: 06/17/2008

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES:

1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

SITE NAME:	Building 46 - Cecil Field LTM/RAO	SITE LOCATION:	Jacksonville
WELL NO: CEF-046-13I	SAMPLE ID: 04-41001/3:CEF-046-13I:6/18/08	DATE:	06/18/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 10.24	PURGE PUMP TYPE OR SAMPLER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable) = (50.50 feet – 10.24 feet) X 0.16 gallons/foot = 6.57 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) =0.00 gallons+(0.01 gallons/foot X 52.50 feet)+ 0.13 gallons = 0.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48.50	PURGING INITIATED AT: 11:00	PURGING ENDED AT: 13:30	TOTAL VOLUME PURGED (gallons): 2.85

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:51		2.60	11.27	4.33	27.91	124.00	0.98	0.70	yellow	none
12:55	0.10	2.70	11.27	4.37	27.96	124.00	0.77	0.95	yellow	none
12:59	0.20	2.90	11.27	4.35	29.98	124.00	0.74	0.73	yellow	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings				Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)	
DO(mg/L):	0.74	TEMP.(°C):	27.98	DO:	0	CO2:	352	DO High Range:	DO Low Range:
SEC(uS/cm):	124	pH:	4.35	Alkalinity:	15	Ferrous Iron:	2.5	CO2 High Range:	DO Low Range:
ORP(mV):	-62.8	TURB(NTU):	0.73	H2S:	5.0	Maganese:		Alkalinity High Range:	Alkalinity Low Range:
Salinity:				Sulfate:		Sulfide:			
				Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 13:30	SAMPLING ENDED AT: 14:50
PUMP OR TUBING DEPTH IN WELL (feet): 48.50	SAMPLE PUMP FLOW RATE (mL per minute): 71.92	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: NA | DUPLICATE: ☐ Y ☑ N
Filtration Equipment Type:

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-13I	2	AG	1 L	None	1 L	4.35	PAHs (8270C)	VT
CEF-046-13I	3	CG	40 ml	HCL	40 ml	4.35	BTEX and MTBE only (8260B)	RFPP
CEF-046-13I	2	AG	1 L	HCL	1 L	4.35	TRPH by FL-PRO	VT
CEF-046-13I	2	PE	250 ml	None	250 ml	4.35	Sulfate by EPA series 300.0	PP

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

SITE NAME: Building 46 - Cecil Field LTM/RAO		SITE LOCATION: Jacksonville	
WELL NO: CEF-046-25I	SAMPLE ID: 04-41001/3:CEF-046-25I:6/18/08		DATE: 06/18/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 12.14	PURGE PUMP TYPE OR SAMPLER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (50.45 feet – 12.14 feet) X 0.16 gallons/foot = 6.25 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
=0.00 gallons+(0.01 gallons/foot X 52.45 feet)+ 0.13 gallons = 0.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48.45	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48.45	PURGING INITIATED AT: 9:20	PURGING ENDED AT: 9:45	TOTAL VOLUME PURGED (gallons): 0.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:30		0.30	12.16	4.65	24.64	69.00	0.15	1.69	clear	sulfuric
9:37	0.20	0.50	12.16	4.68	24.77	70.00	0.09	2.40	clear	sulfuric
9:42	0.10	0.60	12.16	4.71	24.79	71.00	0.07	0.91	clear	sulfuric

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings				Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)	
DO(mg/L):	0.07	TEMP.(°C):	24.79	DO:	0	CO2:	211	DO High Range:	DO Low Range:
SEC(uS/cm):	71.00	pH:	4.71	Alkalinity:	15	Ferrous Iron:	2.4	CO2 High Range:	DO Low Range:
ORP(mV):	33.5	TURB(NTU):	0.91	H2S:	5.0	Maganese:		Alkalinity High Range:	Alkalinity Low Range:
Salinity:				Sulfate:		Sulfide:			
				Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 9:45	SAMPLING ENDED AT: 10:45
PUMP OR TUBING DEPTH IN WELL (feet): 48.45	SAMPLE PUMP FLOW RATE (mL per minute): 90.85	TUBING MATERIAL CODE: PPE	
FIELD DECONTAMINATION: ☑ Y ☐ N	FIELD-FILTERED: ☐ Y ☑ N Filtration Equipment Type:	FILTER SIZE: NA	DUPLICATE: ☐ Y ☑ N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-25I	3	CG	40 ml	HCL	40 ml	4.71	BTEX and MTBE only (8260B)	RFPP
CEF-046-25I	2	PE	250 ml	None	250 ml	4.71	Sulfate by EPA series 300.0	PP
CEF-046-25I	2	AG	1 L	HCL	1 L	4.71	TRPH by FL-PRO	VT
CEF-046-25I	2	AG	1 L	None	1 L	4.71	PAHs (8270C)	VT

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES:

1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

SITE NAME:	Building 46 - Cecil Field LTM/RAO	SITE LOCATION:	Jacksonville
WELL NO:	CEF-046-21I	SAMPLE ID: 04-41001/3:CEF-046-21I:6/18/08	DATE: 06/18/2008

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR SAMPLER:
2.00	0.38		11.87	Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable) = (30.50 feet – 11.87 feet) X 0.16 gallons/foot = 3.04 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) =0.00 gallons+(0.01 gallons/foot X 32.50 feet)+ 0.13 gallons = 0.32 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
28.50	28.50	7:25	8:00	0.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
7:45		0.30	12.07	4.20	23.82	197.00	0.18	15.99	orange	none
7:50	0.10	0.40	12.08	4.24	23.87	196.00	0.15	18.72	orange	none
7:55	0.20	0.60	12.08	4.29	23.85	194.00	0.10	17.67	orange	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings				Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)	
DO(mg/L):	0.10	TEMP.(°C):	23.85	DO:	0	CO2:	253	DO High Range:	DO Low Range:
SEC(uS/cm):	194	pH:	4.29	Alkalinity:	15	Ferrous Iron:	4.2	CO2 High Range:	DO Low Range:
ORP(mV):	58.1	TURB(NTU):	17.67	H2S:	1.0	Maganese:		Alkalinity High Range:	Alkalinity Low Range:
Salinity:				Sulfate:		Sulfide:			
				Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES: DM	SAMPLING INITIATED AT: 8:00	SAMPLING ENDED AT: 9:15
PUMP OR TUBING DEPTH IN WELL (feet): 28.50	SAMPLE PUMP FLOW RATE (mL per minute): 64.89	TUBING MATERIAL CODE: PPE	
FIELD DECONTAMINATION: ☑ Y ☐ N	FIELD-FILTERED: ☐ Y ☑ N Filtration Equipment Type:	FILTER SIZE: NA	DUPLICATE: ☐ Y ☑ N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-21I	2	PE	250 ml	None	250 ml	4.29	Sulfate by EPA series 300.0	PP
CEF-046-21I	2	AG	1 L	None	1 L	4.29	PAHs (8270C)	VT
CEF-046-21I	3	CG	40 ml	HCL	40 ml	4.29	BTEX and MTBE only (8260B)	RFPP
CEF-046-21I	2	AG	1 L	HCL	1 L	4.29	TRPH by FL-PRO	VT

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES:

1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

SITE NAME: Building 46 - Cecil Field LTM/RAO		SITE LOCATION: Jacksonville	
WELL NO: CEF-046-06D	SAMPLE ID: 04-41001/3:CEF-046-06D:6/18/08		DATE: 06/18/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 11.95	PURGE PUMP TYPE OR SAMPLER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable) = (80.50 feet – 11.95 feet) X 0.16 gallons/foot = 11.19 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) =0.00 gallons+(0.01 gallons/foot X 82.50 feet)+ 0.13 gallons = 0.61 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 78.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 78.50	PURGING INITIATED AT: 11:05	PURGING ENDED AT: 11:27	TOTAL VOLUME PURGED (gallons): 0.70

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:20		0.50	12.35	2.51	22.56	11,142.00	1.16	10.00	orange	none
11:23	0.10	0.60	12.35	2.51	22.74	11,147.00	1.02	4.20	orange	none
11:26	0.10	0.70	12.35	2.51	22.24	11,134.00	0.98	3.20	orange	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings				Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)	
DO(mg/L):	0.98	TEMP.(°C):	22.24	DO:	0	CO2:	Interference	DO High Range:	DO Low Range:
SEC(uS/cm):	11,134	pH:	2.51	Alkalinity:	0	Ferrous Iron:	10+	CO2 High Range:	DO Low Range:
ORP(mV):	409.2	TURB(NTU):	3.2	H2S:	0	Maganese:		Alkalinity High Range:	Alkalinity Low Range:
Salinity:				Sulfate:		Sulfide:			
				Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES: DM	SAMPLING INITIATED AT: 11:27	SAMPLING ENDED AT: 12:20
PUMP OR TUBING DEPTH IN WELL (feet): 78.50	SAMPLE PUMP FLOW RATE (mL per minute): 120.44	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: NA | DUPLICATE: ☐ Y ☑ N
Filtration Equipment Type:

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-06D	3	CG	40 ml	HCL	40 ml	2.51	BTEX and MTBE only (8260B)	RFPP
CEF-046-06D	2	PE	250 ml	None	250 ml	2.51	Sulfate by EPA series 300.0	PP
CEF-046-06D	2	AG	1 L	HCL	1 L	2.51	TRPH by FL-PRO	VT
CEF-046-06D	2	AG	1 L	None	1 L	2.51	PAHs (8270C)	VT

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

SITE NAME: Building 46 - Cecil Field LTM/RAO		SITE LOCATION: Jacksonville	
WELL NO: CEF-046-12I	SAMPLE ID: 04-41001/3:CEF-046-12I:6/18/08		DATE: 06/18/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 9.57	PURGE PUMP TYPE OR SAMPLER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (30.50 feet – 9.57 feet) X 0.16 gallons/foot = 3.42 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
=0.00 gallons+(0.01 gallons/foot X 32.50 feet)+ 0.13 gallons = 0.32 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 28.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 28.50	PURGING INITIATED AT: 11:00	PURGING ENDED AT: 12:56	TOTAL VOLUME PURGED (gallons): 2.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:45		2.30	9.98	4.69	26.46	176.00	0.07	3.40	clear	none
12:49	0.10	2.40	9.98	4.69	26.55	175.00	0.07	1.68	clear	none
12:53	0.20	2.60	9.98	4.71	26.58	176.00	0.07	1.35	clear	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings				Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)	
DO(mg/L):	0.07	TEMP.(°C):	26.58	DO:	0	CO2:	398	DO High Range:	DO Low Range:
SEC(uS/cm):	176	pH:	4.71	Alkalinity:	10	Ferrous Iron:	3.4	CO2 High Range:	DO Low Range:
ORP(mV):	65.9	TURB(NTU):	1.35	H2S:	0.1	Maganese:		Alkalinity High Range:	Alkalinity Low Range:
Salinity:				Sulfate:		Sulfide:			
				Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 12:56	SAMPLING ENDED AT: 13:50
PUMP OR TUBING DEPTH IN WELL (feet): 28.50	SAMPLE PUMP FLOW RATE (mL per minute): 84.85	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: NA | DUPLICATE: ☐ Y ☑ N
Filtration Equipment Type:

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-12I	2	AG	1 L	HCL	1 L	4.71	TRPH by FL-PRO	VT
CEF-046-12I	2	PE	250 ml	None	250 ml	4.71	Sulfate by EPA series 300.0	PP
CEF-046-12I	2	AG	1 L	None	1 L	4.71	PAHs (8270C)	VT
CEF-046-12I	3	CG	40 ml	HCL	40 ml	4.71	BTEX and MTBE only (8260B)	RFPP

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

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GROUNDWATER SAMPLING LOG

SITE NAME: Building 46 - Cecil Field LTM/RAO		SITE LOCATION: Jacksonville	
WELL NO: CEF-046-02S	SAMPLE ID: 04-41001/3:CEF-046-02S:6/18/08		DATE: 06/18/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 10.37	PURGE PUMP TYPE OR SAMPLER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (15.00 feet – 10.37 feet) X 0.16 gallons/foot = 0.76 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
=0.00 gallons+(0.01 gallons/foot X 17.00 feet)+ 0.13 gallons = 0.23 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13.00	PURGING INITIATED AT: 9:50	PURGING ENDED AT: 10:13	TOTAL VOLUME PURGED (gallons): 0.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:07		0.30	10.51	5.87	25.12	460.00	0.77	5.40	yellow	none
10:10	0.10	0.40	10.50	5.87	25.15	471.00	0.74	3.80	yellow	none
10:13	0.10	0.50	10.50	5.87	25.13	478.00	0.69	4.10	yellow	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)		CHEMetrics Field Data(mg/L)	
DO(mg/L): 0.69	TEMP.(°C): 25.13	DO: 0	CO2: 297	DO High Range:	DO Low Range:
SEC(uS/cm): 478	pH: 5.87	Alkalinity: 125	Ferrous Iron: 0.8	CO2 High Range:	DO Low Range:
ORP(mV): -37.7	TURB(NTU): 4.1	H2S: 0.2	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:	Sulfide:		
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES: BM	SAMPLING INITIATED AT: 10:13	SAMPLING ENDED AT: 11:00
PUMP OR TUBING DEPTH IN WELL (feet): 13.00	SAMPLE PUMP FLOW RATE (mL per minute): 82.29	TUBING MATERIAL CODE: PPE	
FIELD DECONTAMINATION: ☑ Y ☐ N	FIELD-FILTERED: ☐ Y ☑ N Filtration Equipment Type:	FILTER SIZE: NA	DUPLICATE: ☐ Y ☑ N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-02S	3	CG	40 ml	HCL	40 ml	5.87	BTEX and MTBE only (8260B)	RFPP
CEF-046-02S	2	AG	1 L	HCL	1 L	5.87	TRPH by FL-PRO	VT
CEF-046-02S	2	PE	250 ml	None	250 ml	5.87	Sulfate by EPA series 300.0	PP
CEF-046-02S	2	AG	1 L	None	1 L	5.87	PAHs (8270C)	VT

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Solutions-IES
Industrial & Environmental Services

GROUNDWATER SAMPLING LOG

SITE NAME:	Building 46 - Cecil Field LTM/RAO	SITE LOCATION:	Jacksonville
WELL NO:	CEF-046-15I	SAMPLE ID: 04-41001/3:CEF-046-15I:6/17/08	DATE: 06/17/2008

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR SAMPLER:
2.00	0.38		10.74	Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (30.50 feet – 10.74 feet) X 0.16 gallons/foot = 3.22 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
=0.00 gallons+(0.01 gallons/foot X 32.50 feet)+ 0.13 gallons = 0.32 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
28.50	28.50	14:00	14:20	0.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:12		0.60	10.89	4.73	23.64	107.00	0.14	9.62	clear	none
14:15	0.10	0.70	10.89	4.71	23.76	107.00	0.10	8.57	clear	none
14:18	0.10	0.80	10.89	4.70	23.77	107.00	0.09	7.21	clear	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings				Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)	
DO(mg/L):	0.09	TEMP.(°C):	23.77	DO:	0	CO2:	291	DO High Range:	DO Low Range:
SEC(uS/cm):	107	pH:	4.70	Alkalinity:	10	Ferrous Iron:	3.2	CO2 High Range:	DO Low Range:
ORP(mV):	45.7	TURB(NTU):	7.21	H2S:	2.0	Maganese:		Alkalinity High Range:	Alkalinity Low Range:
Salinity:				Sulfate:		Sulfide:			
				Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES: DM	SAMPLING INITIATED AT: 14:20	SAMPLING ENDED AT: 15:20
PUMP OR TUBING DEPTH IN WELL (feet): 28.50	SAMPLE PUMP FLOW RATE (mL per minute): 151.42	TUBING MATERIAL CODE: PPE	
FIELD DECONTAMINATION: ☑ Y ☐ N	FIELD-FILTERED: ☐ Y ☑ N Filtration Equipment Type:	FILTER SIZE: NA	DUPLICATE: ☐ Y ☑ N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-15I	3	CG	40 ml	HCL	40 ml	4.70	BTEX and MTBE only (8260B)	RFPP
CEF-046-15I	2	PE	250 ml	None	250 ml	4.70	Sulfate by EPA series 300.0	PP
CEF-046-15I	2	AG	1 L	HCL	1 L	4.70	TRPH by FL-PRO	VT
CEF-046-15I	2	AG	1 L	None	1 L	4.70	PAHs (8270C)	VT

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Solutions-IES
Industrial & Environmental Services

GROUNDWATER SAMPLING LOG

SITE NAME: Building 46 - Cecil Field LTM/RAO		SITE LOCATION: Jacksonville	
WELL NO: CEF-046-07I	SAMPLE ID: 04-41001/3:CEF-046-07I:6/18/08		DATE: 06/18/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 10.68	PURGE PUMP TYPE OR SAMPLER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (30.50 feet – 10.68 feet) X 0.16 gallons/foot = 3.23 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
=0.00 gallons+(0.01 gallons/foot X 32.50 feet)+ 0.13 gallons = 0.32 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 28.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 28.50	PURGING INITIATED AT: 8:30	PURGING ENDED AT: 8:56	TOTAL VOLUME PURGED (gallons): 0.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
8:50		0.40	11.36	3.97	24.70	60.00	0.64	7.10	clear	none
8:53	0.10	0.50	11.36	3.99	24.76	61.00	0.62	6.80	clear	none
8:56	0.10	0.60	11.36	4.02	24.81	63.00	0.60	5.20	clear	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings				Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)	
DO(mg/L):	0.60	TEMP.(°C):	24.81	DO:	0	CO2:	145	DO High Range:	DO Low Range:
SEC(uS/cm):	63	pH:	4.02	Alkalinity:	15	Ferrous Iron:	2.6	CO2 High Range:	DO Low Range:
ORP(mV):	-64.2	TURB(NTU):	5.2	H2S:	1.0	Maganese:		Alkalinity High Range:	Alkalinity Low Range:
Salinity:				Sulfate:		Sulfide:			
				Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Marshall	SAMPLER(S) SIGNATURES: DM	SAMPLING INITIATED AT: 8:56	SAMPLING ENDED AT: 9:45
PUMP OR TUBING DEPTH IN WELL (feet): 28.50	SAMPLE PUMP FLOW RATE (mL per minute): 87.36	TUBING MATERIAL CODE: PPE	
FIELD DECONTAMINATION: ☑ Y ☐ N	FIELD-FILTERED: ☐ Y ☑ N Filtration Equipment Type:	FILTER SIZE: NA	DUPLICATE: ☐ Y ☑ N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
CEF-046-07I	3	CG	40 ml	HCL	40 ml	4.02	BTEX and MTBE only (8260B)	RFPP
CEF-046-07I	2	AG	1 L	None	1 L	4.02	PAHs (8270C)	VT
CEF-046-07I	2	PE	250 ml	None	250 ml	4.02	Sulfate by EPA series 300.0	PP
CEF-046-07I	2	AG	1 L	HCL	1 L	4.02	TRPH by FL-PRO	VT

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

NOTES:

1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

APPENDIX B

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

7/9/2008 12:56:18PM

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607

Attn: Carrie Ruhlman

Work Order: NRF1767
Project Name: Building 46, Cecil Field
Project Number: [none]
Date Received: 06/20/08

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
CEF-46-1S	NRF1767-01	06/18/08 12:55
CEF-46-2S	NRF1767-02	06/18/08 10:15
CEF-46-5I	NRF1767-03	06/18/08 11:50
CEF-46-6D	NRF1767-04	06/18/08 11:27
CEF-46-7I	NRF1767-05	06/18/08 08:57
CEF-46-9I	NRF1767-06	06/18/08 07:41
CEF-46-12I	NRF1767-07	06/17/08 12:56
CEF-46-13I	NRF1767-08	06/17/08 13:30
CEF-46-14D	NRF1767-09	06/17/08 15:25
CEF-46-15I	NRF1767-10	06/17/08 14:20
CEF-46-21I	NRF1767-11	06/18/08 08:00
CEF-46-24D	NRF1767-12	06/17/08 18:18
CEF-46-25I	NRF1767-13	06/18/08 09:45
CEF-46-26I	NRF1767-14	06/17/08 18:45
CEF-46-EB1	NRF1767-15	06/18/08 00:01
Trip Blank (Cooler #1)	NRF1767-16	06/18/08 00:01
Trip Blank (Cooler #2)	NRF1767-17	06/18/08 00:01

Comments: **Revised Report 7/09/08**

Added 1 and 2-Methylnaphthalene per client request. Replaces report dated 7/08/08 @ 16:07.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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

Results are reported on a wet weight basis unless otherwise noted

The reported results were obtained in compliance with 2003 NELAC standards unless otherwise noted.

These results relate only to the items tested

Estimated uncertainty is available upon request.

Florida Certification Number: E87358

TestAmerica - Nashville, TN
Roxanne Connor
Program Manager - Conventional Accounts

Client:	Solutions-IES, Inc (427297) 1101 Nowell Road Raleigh, NC 27607	Work Order:	NRF1767	Sampled:	06/17/08-06/18/08
		Project:	Building 46, Cecil Field	Received:	06/20/08
		Project Number:	[none]		
Attn:	Carrie Ruhlman				

This report has been electronically signed.

Approved By:

Roxanne L. Connor

TestAmerica - Nashville, TN
Roxanne Connor
Program Manager - Conventional Accounts

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

Sample Cooler Information

Lab ID	Cooler ID	Temp	Seals	Containers Intact	On Ice
	120288750154457589	0.4C	Yes	Yes	Yes
	120788750152516634	0.4C	Yes	Yes	Yes
	120788t50152523804	2.2C	Yes	Yes	Yes
	120788t50152531617	0.4C	Yes	Yes	Yes
	1z0788750152421843	1.4C	Yes	Yes	Yes
	1z0788750154020853	0.6C	Yes	Yes	Yes
	1z0t88750152061223	0.2C	Yes	Yes	Yes
	1z0t88750153153793	1.4C	Yes	Yes	Yes

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client:	Solutions-IES, Inc (427297) 1101 Nowell Road Raleigh, NC 27607	Work Order:	NRF1767	Sampled:	06/17/08-06/18/08
		Project:	Building 46, Cecil Field	Received:	06/20/08
		Project Number:	[none]		
Attn:	Carrie Ruhlman				

LABORATORY REPORT
Sample ID: CEF-46-1S - Lab Number: NRF1767-01 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**469**		mg/L	25.0	50.0	50	07/02/08 20:20	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	**Benzene**	**75.9**	J4	ug/L	0.270	1.00	1	06/21/08 15:23	HP-	SW846 8260B	8063389
100-41-4	**Ethylbenzene**	**194**	J4	ug/L	0.240	1.00	1	06/21/08 15:23	HP-	SW846 8260B	8063389
1634-04-4	**Methyl tert-Butyl Ether**	**78.4**	J4	ug/L	0.420	1.00	1	06/21/08 15:23	HP-	SW846 8260B	8063389
108-88-3	**Toluene**	**2.61**		ug/L	0.280	1.00	1	06/21/08 15:23	HP-	SW846 8260B	8063389
1330-20-7	**Xylenes, total**	**117**	J4	ug/L	0.860	3.00	1	06/21/08 15:23	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*102 %*									
Surrogate: Dibromofluoromethane (75-124%)		*100 %*									
Surrogate: Toluene-d8 (78-121%)		*95 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*101 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
208-96-8	Acenaphthylene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
120-12-7	Anthracene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
56-55-3	Benzo (a) anthracene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
50-32-8	Benzo (a) pyrene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
205-99-2	Benzo (b) fluoranthene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
191-24-2	Benzo (g,h,i) perylene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
207-08-9	Benzo (k) fluoranthene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
218-01-9	Chrysene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
53-70-3	Dibenz (a,h) anthracene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
206-44-0	Fluoranthene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
86-73-7	Fluorene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
193-39-5	Indeno (1,2,3-cd) pyrene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
91-20-3	**Naphthalene**	**185**		ug/L	4.17	8.33	5	06/27/08 15:18	JLF	SW846 8270C	8063335
85-01-8	Phenanthrene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
129-00-0	Pyrene	0.833	U	ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
90-12-0	**1-Methylnaphthalene**	**22.2**		ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
91-57-6	**2-Methylnaphthalene**	**32.6**		ug/L	0.833	1.67	1	06/25/08 11:36	JLF	SW846 8270C	8063335
Surrogate: Terphenyl-d14 (21-123%)		*48 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*29 %*	J1								
Surrogate: Nitrobenzene-d5 (29-116%)		*48 %*									
Extractable Petroleum Hydrocarbons											
TRPH	**TRPH**	**39600**	B1,S10,V	ug/L	2100	3810	20	06/25/08 08:54	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*	Z3,U								
Surrogate: C-35 (42-193%)		*	Z3,U								

LABORATORY REPORT
Sample ID: CEF-46-2S - Lab Number: NRF1767-02 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

LABORATORY REPORT
Sample ID: CEF-46-2S - Lab Number: NRF1767-02 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**163**		mg/L	5.00	10.0	10	07/02/08 20:57	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 15:49	HP-	SW846 8260B	8063389
100-41-4	**Ethylbenzene**	**0.240**	I	ug/L	0.240	1.00	1	06/21/08 15:49	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 15:49	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 15:49	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 15:49	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*100 %*									
Surrogate: Dibromofluoromethane (75-124%)		*100 %*									
Surrogate: Toluene-d8 (78-121%)		*95 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*100 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
208-96-8	Acenaphthylene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
120-12-7	Anthracene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
56-55-3	Benzo (a) anthracene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
50-32-8	Benzo (a) pyrene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
205-99-2	Benzo (b) fluoranthene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
191-24-2	Benzo (g,h,i) perylene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
207-08-9	Benzo (k) fluoranthene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
218-01-9	Chrysene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
53-70-3	Dibenz (a,h) anthracene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
206-44-0	Fluoranthene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
86-73-7	Fluorene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
193-39-5	Indeno (1,2,3-cd) pyrene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
91-20-3	Naphthalene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
85-01-8	Phenanthrene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
129-00-0	Pyrene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
90-12-0	1-Methylnaphthalene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
91-57-6	2-Methylnaphthalene	0.909	U	ug/L	0.909	1.82	1	06/25/08 11:58	JLF	SW846 8270C	8063335
Surrogate: Terphenyl-d14 (21-123%)		*54 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*51 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*56 %*									
Extractable Petroleum Hydrocarbons											
TRPH	**TRPH**	**298**	V,CF2,CF6	ug/L	110	200	1	06/24/08 12:35	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*98 %*									
Surrogate: C-35 (42-193%)		*21 %*	J1								

LABORATORY REPORT
Sample ID: CEF-46-5I - Lab Number: NRF1767-03 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

LABORATORY REPORT
Sample ID: CEF-46-5I - Lab Number: NRF1767-03 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**91.0**		mg/L	2.50	5.00	5	07/02/08 21:15	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 16:15	HP-	SW846 8260B	8063389
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/21/08 16:15	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 16:15	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 16:15	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 16:15	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*100 %*									
Surrogate: Dibromofluoromethane (75-124%)		*102 %*									
Surrogate: Toluene-d8 (78-121%)		*95 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*99 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
208-96-8	Acenaphthylene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
120-12-7	Anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
56-55-3	Benzo (a) anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
50-32-8	Benzo (a) pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
205-99-2	Benzo (b) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
191-24-2	Benzo (g,h,i) perylene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
207-08-9	Benzo (k) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
218-01-9	Chrysene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
53-70-3	Dibenz (a,h) anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
206-44-0	Fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
86-73-7	Fluorene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
193-39-5	Indeno (1,2,3-cd) pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
91-20-3	Naphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
85-01-8	Phenanthrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
129-00-0	Pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
90-12-0	1-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
91-57-6	2-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:21	JLF	SW846 8270C	8063335
Surrogate: Terphenyl-d14 (21-123%)		*39 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*62 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*65 %*									
Extractable Petroleum Hydrocarbons											
TRPH	TRPH	105	U	ug/L	105	190	1	06/24/08 12:56	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*107 %*									
Surrogate: C-35 (42-193%)		*31 %*	J1								

LABORATORY REPORT
Sample ID: CEF-46-6D - Lab Number: NRF1767-04 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

LABORATORY REPORT
Sample ID: CEF-46-6D - Lab Number: NRF1767-04 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**13500**		mg/L	250	500	500	07/02/08 21:34	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 16:41	HP-	SW846 8260B	8063389
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/21/08 16:41	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 16:41	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 16:41	HP-	SW846 8260B	8063389
1330-20-7	**Xylenes, total**	**1.55**	I	ug/L	0.860	3.00	1	06/21/08 16:41	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*103 %*									
Surrogate: Dibromofluoromethane (75-124%)		*102 %*									
Surrogate: Toluene-d8 (78-121%)		*95 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*102 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
208-96-8	Acenaphthylene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
120-12-7	Anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
56-55-3	Benzo (a) anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
50-32-8	Benzo (a) pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
205-99-2	Benzo (b) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
191-24-2	Benzo (g,h,i) perylene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
207-08-9	Benzo (k) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
218-01-9	Chrysene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
53-70-3	Dibenz (a,h) anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
206-44-0	Fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
86-73-7	Fluorene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
193-39-5	Indeno (1,2,3-cd) pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
91-20-3	Naphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
85-01-8	Phenanthrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
129-00-0	Pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
90-12-0	1-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
91-57-6	2-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 12:43	JLF	SW846 8270C	8063335
Surrogate: Terphenyl-d14 (21-123%)		*32 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*50 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*53 %*									
Extractable Petroleum Hydrocarbons											
TRPH	**TRPH**	**225**	V,CF2,CF6	ug/L	105	190	1	06/24/08 13:16	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*94 %*									
Surrogate: C-35 (42-193%)		*37 %*	J1								

LABORATORY REPORT
Sample ID: CEF-46-7I - Lab Number: NRF1767-05 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client:	Solutions-IES, Inc (427297) 1101 Nowell Road Raleigh, NC 27607	Work Order:	NRF1767	Sampled:	06/17/08-06/18/08
		Project:	Building 46, Cecil Field	Received:	06/20/08
		Project Number:	[none]		
Attn:	Carrie Ruhlman				

LABORATORY REPORT
Sample ID: CEF-46-7I - Lab Number: NRF1767-05 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**14.0**		mg/L	1.00	2.00	2	07/02/08 21:52	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	**Benzene**	**43.4**		ug/L	0.270	1.00	1	06/21/08 17:08	HP-	SW846 8260B	8063389
100-41-4	**Ethylbenzene**	**8.28**		ug/L	0.240	1.00	1	06/21/08 17:08	HP-	SW846 8260B	8063389
1634-04-4	**Methyl tert-Butyl Ether**	**81.9**		ug/L	0.420	1.00	1	06/21/08 17:08	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 17:08	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 17:08	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*99 %*									
Surrogate: Dibromofluoromethane (75-124%)		*100 %*									
Surrogate: Toluene-d8 (78-121%)		*97 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*99 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
208-96-8	Acenaphthylene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
120-12-7	Anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
56-55-3	Benzo (a) anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
50-32-8	Benzo (a) pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
205-99-2	Benzo (b) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
191-24-2	Benzo (g,h,i) perylene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
207-08-9	Benzo (k) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
218-01-9	Chrysene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
53-70-3	Dibenz (a,h) anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
206-44-0	Fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
86-73-7	Fluorene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
193-39-5	Indeno (1,2,3-cd) pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
91-20-3	**Naphthalene**	**13.0**		ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
85-01-8	Phenanthrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
129-00-0	Pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
90-12-0	**1-Methylnaphthalene**	**1.81**	I	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
91-57-6	2-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:06	JLF	SW846 8270C	8063335
Surrogate: Terphenyl-d14 (21-123%)		*75 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*65 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*69 %*									
Extractable Petroleum Hydrocarbons											
TRPH	**TRPH**	**376**	V,CF2,CF6	ug/L	105	190	1	06/24/08 13:36	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*99 %*									
Surrogate: C-35 (42-193%)		*29 %*	J1								

LABORATORY REPORT
Sample ID: CEF-46-9I - Lab Number: NRF1767-06 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

LABORATORY REPORT
Sample ID: CEF-46-9I - Lab Number: NRF1767-06 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**38.8**		mg/L	1.00	2.00	2	07/02/08 22:10	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 17:34	HP-	SW846 8260B	8063389
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/21/08 17:34	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 17:34	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 17:34	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 17:34	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*99 %*									
Surrogate: Dibromofluoromethane (75-124%)		*100 %*									
Surrogate: Toluene-d8 (78-121%)		*96 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*99 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
208-96-8	Acenaphthylene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
120-12-7	Anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
56-55-3	Benzo (a) anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
50-32-8	Benzo (a) pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
205-99-2	Benzo (b) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
191-24-2	Benzo (g,h,i) perylene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
207-08-9	Benzo (k) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
218-01-9	Chrysene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
53-70-3	Dibenz (a,h) anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
206-44-0	Fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
86-73-7	Fluorene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
193-39-5	Indeno (1,2,3-cd) pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
91-20-3	Naphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
85-01-8	Phenanthrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
129-00-0	Pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
90-12-0	1-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
91-57-6	2-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:28	JLF	SW846 8270C	8063335
Surrogate: Terphenyl-d14 (21-123%)		*79 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*73 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*71 %*									
Extractable Petroleum Hydrocarbons											
TRPH	**TRPH**	**339**	V,CF2,CF6	ug/L	110	200	1	06/24/08 13:57	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*92 %*									
Surrogate: C-35 (42-193%)		*26 %*	J1								

LABORATORY REPORT
Sample ID: CEF-46-12I - Lab Number: NRF1767-07 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

Client:	Solutions-IES, Inc (427297)	Work Order:	NRF1767	Sampled:	06/17/08-06/18/08
	1101 Nowell Road	Project:	Building 46, Cecil Field	Received:	06/20/08
	Raleigh, NC 27607	Project Number:	[none]		
Attn:	Carrie Ruhlman				

LABORATORY REPORT
Sample ID: CEF-46-12I - Lab Number: NRF1767-07 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**55.0**		mg/L	1.00	2.00	2	07/02/08 22:29	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 18:00	HP-	SW846 8260B	8063389
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/21/08 18:00	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 18:00	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 18:00	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 18:00	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*97 %*									
Surrogate: Dibromofluoromethane (75-124%)		*99 %*									
Surrogate: Toluene-d8 (78-121%)		*97 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*101 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
208-96-8	Acenaphthylene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
120-12-7	Anthracene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
56-55-3	Benzo (a) anthracene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
50-32-8	Benzo (a) pyrene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
205-99-2	Benzo (b) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
191-24-2	Benzo (g,h,i) perylene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
207-08-9	Benzo (k) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
218-01-9	Chrysene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
53-70-3	Dibenz (a,h) anthracene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
206-44-0	Fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
86-73-7	Fluorene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
193-39-5	Indeno (1,2,3-cd) pyrene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
91-20-3	Naphthalene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
85-01-8	Phenanthrene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
129-00-0	Pyrene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
90-12-0	1-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
91-57-6	2-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/24/08 23:33	KRH	SW846 8270C	8063334
Surrogate: Terphenyl-d14 (21-123%)		*57 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*51 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*56 %*									
Extractable Petroleum Hydrocarbons											
TRPH	**TRPH**	**204**	V,I	ug/L	116	211	1	06/24/08 14:58	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*94 %*									
Surrogate: C-35 (42-193%)		*64 %*									

LABORATORY REPORT
Sample ID: CEF-46-13I - Lab Number: NRF1767-08 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

Client:	Solutions-IES, Inc (427297)	Work Order:	NRF1767	Sampled:	06/17/08-06/18/08
	1101 Nowell Road	Project:	Building 46, Cecil Field	Received:	06/20/08
	Raleigh, NC 27607	Project Number:	[none]		
Attn:	Carrie Ruhlman				

LABORATORY REPORT
Sample ID: CEF-46-13I - Lab Number: NRF1767-08 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**28.7**		mg/L	0.500	1.00	1	07/02/08 22:49	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/24/08 17:17	HP-	SW846 8260B	8063869
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/24/08 17:17	HP-	SW846 8260B	8063869
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/24/08 17:17	HP-	SW846 8260B	8063869
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/24/08 17:17	HP-	SW846 8260B	8063869
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/24/08 17:17	HP-	SW846 8260B	8063869
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*95 %*									
Surrogate: Dibromofluoromethane (75-124%)		*105 %*									
Surrogate: Toluene-d8 (78-121%)		*98 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*91 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
208-96-8	Acenaphthylene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
120-12-7	Anthracene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
56-55-3	Benzo (a) anthracene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
50-32-8	Benzo (a) pyrene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
205-99-2	Benzo (b) fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
191-24-2	Benzo (g,h,i) perylene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
207-08-9	Benzo (k) fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
218-01-9	Chrysene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
53-70-3	Dibenz (a,h) anthracene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
206-44-0	Fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
86-73-7	Fluorene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
193-39-5	Indeno (1,2,3-cd) pyrene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
91-20-3	Naphthalene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
85-01-8	Phenanthrene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
129-00-0	Pyrene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
90-12-0	1-Methylnaphthalene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
91-57-6	2-Methylnaphthalene	0.952	U	ug/L	0.952	1.90	1	06/24/08 23:56	KRH	SW846 8270C	8063334
Surrogate: Terphenyl-d14 (21-123%)		*67 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*52 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*51 %*									
Extractable Petroleum Hydrocarbons											
TRPH	**TRPH**	**341**	V,CF2,CF6	ug/L	110	200	1	06/24/08 15:18	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*96 %*									
Surrogate: C-35 (42-193%)		*70 %*									

LABORATORY REPORT
Sample ID: CEF-46-14D - Lab Number: NRF1767-09 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

Client:	Solutions-IES, Inc (427297)	Work Order:	NRF1767	Sampled:	06/17/08-06/18/08
	1101 Nowell Road	Project:	Building 46, Cecil Field	Received:	06/20/08
	Raleigh, NC 27607	Project Number:	[none]		
Attn:	Carrie Ruhlman				

LABORATORY REPORT
Sample ID: CEF-46-14D - Lab Number: NRF1767-09 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	Sulfate	0.500	U	mg/L	0.500	1.00	1	07/02/08 23:06	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 18:26	HP-	SW846 8260B	8063389
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/21/08 18:26	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 18:26	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 18:26	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 18:26	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*98 %*									
Surrogate: Dibromofluoromethane (75-124%)		*99 %*									
Surrogate: Toluene-d8 (78-121%)		*104 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*99 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
208-96-8	Acenaphthylene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
120-12-7	Anthracene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
56-55-3	Benzo (a) anthracene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
50-32-8	Benzo (a) pyrene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
205-99-2	Benzo (b) fluoranthene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
191-24-2	Benzo (g,h,i) perylene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
207-08-9	Benzo (k) fluoranthene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
218-01-9	Chrysene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
53-70-3	Dibenz (a,h) anthracene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
206-44-0	Fluoranthene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
86-73-7	Fluorene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
193-39-5	Indeno (1,2,3-cd) pyrene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
91-20-3	Naphthalene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
85-01-8	Phenanthrene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
129-00-0	Pyrene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
90-12-0	1-Methylnaphthalene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
91-57-6	2-Methylnaphthalene	0.971	U	ug/L	0.971	1.94	1	06/25/08 00:19	KRH	SW846 8270C	8063334
Surrogate: Terphenyl-d14 (21-123%)		*66 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*68 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*76 %*									
Extractable Petroleum Hydrocarbons											
TRPH	TRPH	105	U	ug/L	105	190	1	06/24/08 20:24	DAB	TPH-FL PRO	8063647
Surrogate: o-Terphenyl (82-142%)		*99 %*									
Surrogate: C-35 (42-193%)		*70 %*									

LABORATORY REPORT
Sample ID: CEF-46-15I - Lab Number: NRF1767-10 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

LABORATORY REPORT
Sample ID: CEF-46-15I - Lab Number: NRF1767-10 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**32.7**		mg/L	0.500	1.00	1	07/03/08 00:01	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 18:53	HP-	SW846 8260B	8063389
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/21/08 18:53	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 18:53	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 18:53	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 18:53	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*97 %*									
Surrogate: Dibromofluoromethane (75-124%)		*100 %*									
Surrogate: Toluene-d8 (78-121%)		*96 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*101 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
208-96-8	Acenaphthylene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
120-12-7	Anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
56-55-3	Benzo (a) anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
50-32-8	Benzo (a) pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
205-99-2	Benzo (b) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
191-24-2	Benzo (g,h,i) perylene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
207-08-9	Benzo (k) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
218-01-9	Chrysene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
53-70-3	Dibenz (a,h) anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
206-44-0	Fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
86-73-7	Fluorene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
193-39-5	Indeno (1,2,3-cd) pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
91-20-3	Naphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
85-01-8	Phenanthrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
129-00-0	Pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
90-12-0	1-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
91-57-6	2-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 00:42	KRH	SW846 8270C	8063334
Surrogate: Terphenyl-d14 (21-123%)		*69 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*54 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*75 %*									
Extractable Petroleum Hydrocarbons											
TRPH	**TRPH**	**118**	V,I	ug/L	110	200	1	06/24/08 15:39	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*95 %*									
Surrogate: C-35 (42-193%)		*68 %*									

LABORATORY REPORT
Sample ID: CEF-46-21I - Lab Number: NRF1767-11 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

LABORATORY REPORT
Sample ID: CEF-46-21I - Lab Number: NRF1767-11 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**51.1**		mg/L	1.00	2.00	2	07/03/08 00:19	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 19:19	HP-	SW846 8260B	8063389
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/21/08 19:19	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 19:19	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 19:19	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 19:19	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*99 %*									
Surrogate: Dibromofluoromethane (75-124%)		*102 %*									
Surrogate: Toluene-d8 (78-121%)		*97 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*102 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
208-96-8	Acenaphthylene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
120-12-7	Anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
56-55-3	Benzo (a) anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
50-32-8	Benzo (a) pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
205-99-2	Benzo (b) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
191-24-2	Benzo (g,h,i) perylene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
207-08-9	Benzo (k) fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
218-01-9	Chrysene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
53-70-3	Dibenz (a,h) anthracene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
206-44-0	Fluoranthene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
86-73-7	Fluorene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
193-39-5	Indeno (1,2,3-cd) pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
91-20-3	Naphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
85-01-8	Phenanthrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
129-00-0	Pyrene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
90-12-0	1-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
91-57-6	2-Methylnaphthalene	1.00	U	ug/L	1.00	2.00	1	06/25/08 13:51	JLF	SW846 8270C	8063335
Surrogate: Terphenyl-d14 (21-123%)		*70 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*71 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*77 %*									
Extractable Petroleum Hydrocarbons											
TRPH	TRPH	110	CF2,CF6,U	ug/L	110	200	1	06/24/08 15:59	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*96 %*									
Surrogate: C-35 (42-193%)		*31 %*	J1								

LABORATORY REPORT
Sample ID: CEF-46-24D - Lab Number: NRF1767-12 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

LABORATORY REPORT
Sample ID: CEF-46-24D - Lab Number: NRF1767-12 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**398**		mg/L	10.0	20.0	20	07/03/08 00:38	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 19:45	HP-	SW846 8260B	8063389
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/21/08 19:45	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 19:45	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 19:45	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 19:45	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*98 %*									
Surrogate: Dibromofluoromethane (75-124%)		*100 %*									
Surrogate: Toluene-d8 (78-121%)		*96 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*100 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
208-96-8	Acenaphthylene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
120-12-7	Anthracene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
56-55-3	Benzo (a) anthracene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
50-32-8	Benzo (a) pyrene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
205-99-2	Benzo (b) fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
191-24-2	Benzo (g,h,i) perylene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
207-08-9	Benzo (k) fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
218-01-9	Chrysene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
53-70-3	Dibenz (a,h) anthracene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
206-44-0	Fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
86-73-7	Fluorene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
193-39-5	Indeno (1,2,3-cd) pyrene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
91-20-3	Naphthalene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
85-01-8	Phenanthrene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
129-00-0	Pyrene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
90-12-0	1-Methylnaphthalene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
91-57-6	2-Methylnaphthalene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:14	JLF	SW846 8270C	8063335
Surrogate: Terphenyl-d14 (21-123%)		*70 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*88 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*87 %*									
Extractable Petroleum Hydrocarbons											
TRPH	**TRPH**	**184**	H2,I	ug/L	105	190	1	06/26/08 21:57	DAB	TPH-FL PRO	8064039
Surrogate: o-Terphenyl (82-142%)		*107 %*									
Surrogate: C-35 (42-193%)		*110 %*									

LABORATORY REPORT
Sample ID: CEF-46-25I - Lab Number: NRF1767-13 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

LABORATORY REPORT
Sample ID: CEF-46-25I - Lab Number: NRF1767-13 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**23.2**		mg/L	0.500	1.00	1	07/03/08 00:56	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 20:11	HP-	SW846 8260B	8063389
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/21/08 20:11	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 20:11	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 20:11	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 20:11	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*97 %*									
Surrogate: Dibromofluoromethane (75-124%)		*100 %*									
Surrogate: Toluene-d8 (78-121%)		*97 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*100 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
208-96-8	Acenaphthylene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
120-12-7	Anthracene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
56-55-3	Benzo (a) anthracene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
50-32-8	Benzo (a) pyrene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
205-99-2	Benzo (b) fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
191-24-2	Benzo (g,h,i) perylene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
207-08-9	Benzo (k) fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
218-01-9	Chrysene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
53-70-3	Dibenz (a,h) anthracene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
206-44-0	Fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
86-73-7	Fluorene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
193-39-5	Indeno (1,2,3-cd) pyrene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
91-20-3	Naphthalene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
85-01-8	Phenanthrene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
129-00-0	Pyrene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
90-12-0	1-Methylnaphthalene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
91-57-6	2-Methylnaphthalene	0.952	U	ug/L	0.952	1.90	1	06/25/08 14:37	JLF	SW846 8270C	8063335
Surrogate: Terphenyl-d14 (21-123%)		*75 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*67 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*71 %*									
Extractable Petroleum Hydrocarbons											
TRPH	TRPH	110	U	ug/L	110	200	1	06/24/08 16:40	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*94 %*									
Surrogate: C-35 (42-193%)		*47 %*									

LABORATORY REPORT
Sample ID: CEF-46-26I - Lab Number: NRF1767-14 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client:	Solutions-IES, Inc (427297) 1101 Nowell Road Raleigh, NC 27607	Work Order:	NRF1767	Sampled:	06/17/08-06/18/08
		Project:	Building 46, Cecil Field	Received:	06/20/08
		Project Number:	[none]		
Attn:	Carrie Ruhlman				

LABORATORY REPORT
Sample ID: CEF-46-26I - Lab Number: NRF1767-14 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**398**		mg/L	10.0	20.0	20	07/08/08 13:35	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 20:37	HP-	SW846 8260B	8063389
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/21/08 20:37	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 20:37	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 20:37	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 20:37	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*100 %*									
Surrogate: Dibromofluoromethane (75-124%)		*101 %*									
Surrogate: Toluene-d8 (78-121%)		*97 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*100 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
208-96-8	Acenaphthylene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
120-12-7	Anthracene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
56-55-3	Benzo (a) anthracene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
50-32-8	Benzo (a) pyrene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
205-99-2	Benzo (b) fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
191-24-2	Benzo (g,h,i) perylene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
207-08-9	Benzo (k) fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
218-01-9	Chrysene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
53-70-3	Dibenz (a,h) anthracene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
206-44-0	Fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
86-73-7	Fluorene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
193-39-5	Indeno (1,2,3-cd) pyrene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
91-20-3	Naphthalene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
85-01-8	Phenanthrene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
129-00-0	Pyrene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
90-12-0	1-Methylnaphthalene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
91-57-6	2-Methylnaphthalene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:01	JLF	SW846 8270C	8063335
Surrogate: Terphenyl-d14 (21-123%)		*64 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*72 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*77 %*									
Extractable Petroleum Hydrocarbons											
TRPH	TRPH	105	CF2,CF6,U	ug/L	105	190	1	06/24/08 17:01	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*97 %*									
Surrogate: C-35 (42-193%)		*26 %*	J1								

LABORATORY REPORT
Sample ID: CEF-46-EB1 - Lab Number: NRF1767-15 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											

Client:	Solutions-IES, Inc (427297)	Work Order:	NRF1767	Sampled:	06/17/08-06/18/08
	1101 Nowell Road	Project:	Building 46, Cecil Field	Received:	06/20/08
	Raleigh, NC 27607	Project Number:	[none]		
Attn:	Carrie Ruhlman				

LABORATORY REPORT
Sample ID: CEF-46-EB1 - Lab Number: NRF1767-15 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
14808-79-8	**Sulfate**	**55.1**		mg/L	10.0	20.0	20	07/03/08 01:33	JHS	EPA 300.0	8064226
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/24/08 17:43	HP-	SW846 8260B	8063869
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/24/08 17:43	HP-	SW846 8260B	8063869
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/24/08 17:43	HP-	SW846 8260B	8063869
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/24/08 17:43	HP-	SW846 8260B	8063869
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/24/08 17:43	HP-	SW846 8260B	8063869
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*92 %*									
Surrogate: Dibromofluoromethane (75-124%)		*102 %*									
Surrogate: Toluene-d8 (78-121%)		*97 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*91 %*									
Polyaromatic Hydrocarbons by EPA 8270C											
83-32-9	Acenaphthene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
208-96-8	Acenaphthylene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
120-12-7	Anthracene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
56-55-3	Benzo (a) anthracene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
50-32-8	Benzo (a) pyrene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
205-99-2	Benzo (b) fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
191-24-2	Benzo (g,h,i) perylene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
207-08-9	Benzo (k) fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
218-01-9	Chrysene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
53-70-3	Dibenz (a,h) anthracene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
206-44-0	Fluoranthene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
86-73-7	Fluorene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
193-39-5	Indeno (1,2,3-cd) pyrene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
91-20-3	Naphthalene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
85-01-8	Phenanthrene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
129-00-0	Pyrene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
90-12-0	1-Methylnaphthalene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
91-57-6	2-Methylnaphthalene	0.952	U	ug/L	0.952	1.90	1	06/27/08 13:23	JLF	SW846 8270C	8063335
Surrogate: Terphenyl-d14 (21-123%)		*74 %*									
Surrogate: 2-Fluorobiphenyl (34-108%)		*65 %*									
Surrogate: Nitrobenzene-d5 (29-116%)		*70 %*									
Extractable Petroleum Hydrocarbons											
TRPH	TRPH	105	CF2,CF6,U	ug/L	105	190	1	06/24/08 17:21	DAB	TPH-FL PRO	8063342
Surrogate: o-Terphenyl (82-142%)		*101 %*									
Surrogate: C-35 (42-193%)		*33 %*	J1								

LABORATORY REPORT
Sample ID: Trip Blank (Cooler #1) - Lab Number: NRF1767-16 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Selected Volatile Organic Compounds by EPA Method 8260B											

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client:	Solutions-IES, Inc (427297) 1101 Nowell Road Raleigh, NC 27607	Work Order:	NRF1767	Sampled:	06/17/08-06/18/08
		Project:	Building 46, Cecil Field	Received:	06/20/08
		Project Number:	[none]		
Attn:	Carrie Ruhlman				

LABORATORY REPORT

Sample ID: Trip Blank (Cooler #1) - Lab Number: NRF1767-16 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 14:05	HP-	SW846 8260B	8063389
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/21/08 14:05	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 14:05	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 14:05	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 14:05	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*99 %*									
Surrogate: Dibromofluoromethane (75-124%)		*101 %*									
Surrogate: Toluene-d8 (78-121%)		*99 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*98 %*									

LABORATORY REPORT

Sample ID: Trip Blank (Cooler #2) - Lab Number: NRF1767-17 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Selected Volatile Organic Compounds by EPA Method 8260B											
71-43-2	Benzene	0.270	U	ug/L	0.270	1.00	1	06/21/08 14:32	HP-	SW846 8260B	8063389
100-41-4	Ethylbenzene	0.240	U	ug/L	0.240	1.00	1	06/21/08 14:32	HP-	SW846 8260B	8063389
1634-04-4	Methyl tert-Butyl Ether	0.420	U	ug/L	0.420	1.00	1	06/21/08 14:32	HP-	SW846 8260B	8063389
108-88-3	Toluene	0.280	U	ug/L	0.280	1.00	1	06/21/08 14:32	HP-	SW846 8260B	8063389
1330-20-7	Xylenes, total	0.860	U	ug/L	0.860	3.00	1	06/21/08 14:32	HP-	SW846 8260B	8063389
Surrogate: 1,2-Dichloroethane-d4 (60-140%)		*97 %*									
Surrogate: Dibromofluoromethane (75-124%)		*98 %*									
Surrogate: Toluene-d8 (78-121%)		*100 %*									
Surrogate: 4-Bromofluorobenzene (79-124%)		*100 %*									

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

SAMPLE EXTRACTION DATA

Parameter	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Method
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-01	1,200.0 mL	1.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-01	1,050.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-01RE1	1,050.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-01RE1	1,200.0 mL	1.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-02	1,000.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-02	1,100.0 mL	1.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-02RE1	1,000.0 mL	2.0 mL	06/26/2008	MLG	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-03	1,050.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-03	1,000.0 mL	1.0 mL	06/23/2008	MSR	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-04	1,000.0 mL	1.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-04	1,050.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-04RE1	1,000.0 mL	2.0 mL	06/26/2008	MLG	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-05	1,050.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-05	1,000.0 mL	1.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-05RE1	1,000.0 mL	2.0 mL	06/26/2008	MLG	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-06	1,000.0 mL	1.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-06	1,000.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-06RE1	1,000.0 mL	2.0 mL	06/26/2008	MLG	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-07	1,000.0 mL	1.0 mL	06/21/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-07	950.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-08	1,000.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-08	1,050.0 mL	1.0 mL	06/21/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-08RE1	1,050.0 mL	2.0 mL	06/26/2008	MLG	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-09	1,050.0 mL	2.0 mL	06/24/2008	MSR	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-09	1,030.0 mL	1.0 mL	06/21/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-10	1,000.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-10	1,000.0 mL	1.0 mL	06/21/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-11	1,000.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-11	1,000.0 mL	1.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-11RE1	1,000.0 mL	2.0 mL	06/26/2008	MLG	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-12	1,050.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-12	1,050.0 mL	1.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-12RE1	1,050.0 mL	2.0 mL	06/26/2008	MLG	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-13	1,050.0 mL	1.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-13	1,000.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-14	1,050.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-14	1,050.0 mL	1.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-14RE1	1,050.0 mL	2.0 mL	06/26/2008	MLG	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-15	1,050.0 mL	2.0 mL	06/23/2008	MSR	EPA 3510C
Polyaromatic Hydrocarbons by EPA 8270C	NRF1767-15	1,050.0 mL	1.0 mL	06/23/2008	MSR	EPA 3510C
Extractable Petroleum Hydrocarbons	NRF1767-15RE1	1,060.0 mL	2.0 mL	06/26/2008	MLG	EPA 3510C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
General Chemistry Parameters					
Sulfate	0.500	U	mg/L	8064226	8064226-BLK1
Selected Volatile Organic Compounds by EPA Method 8260B					
Benzene	0.270	U	ug/L	8063869	8063869-BLK1
Benzene	0.270	U	ug/L	8063389	8063389-BLK1
Ethylbenzene	0.240	U	ug/L	8063869	8063869-BLK1
Ethylbenzene	0.240	U	ug/L	8063389	8063389-BLK1
Methyl tert-Butyl Ether	0.420	U	ug/L	8063869	8063869-BLK1
Methyl tert-Butyl Ether	0.420	U	ug/L	8063389	8063389-BLK1
Toluene	0.280	U	ug/L	8063389	8063389-BLK1
Toluene	0.280	U	ug/L	8063869	8063869-BLK1
Xylenes, total	0.860	U	ug/L	8063389	8063389-BLK1
Xylenes, total	0.860	U	ug/L	8063869	8063869-BLK1
Surrogate: 1,2-Dichloroethane-d4	23.4		ug/L	8063869	8063869-BLK1
Surrogate: 1,2-Dichloroethane-d4	24.7		ug/L	8063389	8063389-BLK1
Surrogate: Dibromofluoromethane	25.9		ug/L	8063869	8063869-BLK1
Surrogate: Dibromofluoromethane	25.2		ug/L	8063389	8063389-BLK1
Surrogate: Toluene-d8	24.2		ug/L	8063869	8063869-BLK1
Surrogate: Toluene-d8	24.7		ug/L	8063389	8063389-BLK1
Surrogate: 4-Bromofluorobenzene	22.6		ug/L	8063869	8063869-BLK1
Surrogate: 4-Bromofluorobenzene	24.9		ug/L	8063389	8063389-BLK1
Polyaromatic Hydrocarbons by EPA 8270C					
Acenaphthene	1.00	U	ug/L	8063334	8063334-BLK1
Acenaphthene	1.00	U	ug/L	8063335	8063335-BLK1
Acenaphthylene	1.00	U	ug/L	8063335	8063335-BLK1
Acenaphthylene	1.00	U	ug/L	8063334	8063334-BLK1
Anthracene	1.00	U	ug/L	8063335	8063335-BLK1
Anthracene	1.00	U	ug/L	8063334	8063334-BLK1
Benzo (a) anthracene	1.00	U	ug/L	8063335	8063335-BLK1
Benzo (a) anthracene	1.00	U	ug/L	8063334	8063334-BLK1
Benzo (a) pyrene	1.00	U	ug/L	8063334	8063334-BLK1
Benzo (a) pyrene	1.00	U	ug/L	8063335	8063335-BLK1
Benzo (b) fluoranthene	1.00	U	ug/L	8063335	8063335-BLK1
Benzo (b) fluoranthene	1.00	U	ug/L	8063334	8063334-BLK1
Benzo (g,h,i) perylene	1.00	U	ug/L	8063334	8063334-BLK1
Benzo (g,h,i) perylene	1.00	U	ug/L	8063335	8063335-BLK1
Benzo (k) fluoranthene	1.00	U	ug/L	8063334	8063334-BLK1
Benzo (k) fluoranthene	1.00	U	ug/L	8063335	8063335-BLK1
Chrysene	1.00	U	ug/L	8063334	8063334-BLK1
Chrysene	1.00	U	ug/L	8063335	8063335-BLK1
Dibenz (a,h) anthracene	1.00	U	ug/L	8063335	8063335-BLK1
Dibenz (a,h) anthracene	1.00	U	ug/L	8063334	8063334-BLK1

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
Polyaromatic Hydrocarbons by EPA 8270C					
Fluoranthene	1.00	U	ug/L	8063335	8063335-BLK1
Fluoranthene	1.00	U	ug/L	8063334	8063334-BLK1
Fluorene	1.00	U	ug/L	8063334	8063334-BLK1
Fluorene	1.00	U	ug/L	8063335	8063335-BLK1
Indeno (1,2,3-cd) pyrene	1.00	U	ug/L	8063334	8063334-BLK1
Indeno (1,2,3-cd) pyrene	1.00	U	ug/L	8063335	8063335-BLK1
Naphthalene	1.00	U	ug/L	8063335	8063335-BLK1
Naphthalene	1.00	U	ug/L	8063334	8063334-BLK1
Phenanthrene	1.00	U	ug/L	8063335	8063335-BLK1
Phenanthrene	1.00	U	ug/L	8063334	8063334-BLK1
Pyrene	1.00	U	ug/L	8063334	8063334-BLK1
Pyrene	1.00	U	ug/L	8063335	8063335-BLK1
1-Methylnaphthalene	1.00	U	ug/L	8063334	8063334-BLK1
1-Methylnaphthalene	1.00	U	ug/L	8063335	8063335-BLK1
2-Methylnaphthalene	1.00	U	ug/L	8063335	8063335-BLK1
2-Methylnaphthalene	1.00	U	ug/L	8063334	8063334-BLK1
Surrogate: Terphenyl-d14	37.9		ug/L	8063334	8063334-BLK1
Surrogate: Terphenyl-d14	28.0		ug/L	8063335	8063335-BLK1
Surrogate: 2-Fluorobiphenyl	28.1		ug/L	8063335	8063335-BLK1
Surrogate: 2-Fluorobiphenyl	35.0		ug/L	8063334	8063334-BLK1
Surrogate: Nitrobenzene-d5	31.3		ug/L	8063334	8063334-BLK1
Surrogate: Nitrobenzene-d5	28.8		ug/L	8063335	8063335-BLK1
Extractable Petroleum Hydrocarbons					
TRPH	110	U	ug/L	8064039	8064039-BLK1
TRPH	809	V	ug/L	8063342	8063342-BLK1
TRPH	110	U	ug/L	8063647	8063647-BLK1
Surrogate: o-Terphenyl	43.9		ug/L	8063342	8063342-BLK1
Surrogate: o-Terphenyl	36.5		ug/L	8063647	8063647-BLK1
Surrogate: o-Terphenyl	64.3	J1	ug/L	8064039	8064039-BLK1
Surrogate: C-35	70.7	J1	ug/L	8063342	8063342-BLK1
Surrogate: C-35	213		ug/L	8064039	8064039-BLK1
Surrogate: C-35	137		ug/L	8063647	8063647-BLK1

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
General Chemistry Parameters								
Sulfate	469	536		mg/L	13	20	8064226	NRF1767-01

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Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
General Chemistry Parameters							
Sulfate	15.0	16.5	MNR	mg/L	110	90 - 110	8064226
Selected Volatile Organic Compounds by EPA Method 8260B							
Benzene	50.0	44.4		ug/L	89	80 - 137	8063869
Benzene	50.0	48.5		ug/L	97	80 - 137	8063389
Ethylbenzene	50.0	43.2		ug/L	86	80 - 128	8063869
Ethylbenzene	50.0	47.4		ug/L	95	80 - 128	8063389
Methyl tert-Butyl Ether	50.0	45.7		ug/L	91	70 - 129	8063389
Methyl tert-Butyl Ether	50.0	40.3		ug/L	81	70 - 129	8063869
Toluene	50.0	46.4		ug/L	93	80 - 125	8063389
Toluene	50.0	46.0		ug/L	92	80 - 125	8063869
Xylenes, total	150	130		ug/L	87	80 - 129	8063869
Xylenes, total	150	140		ug/L	93	80 - 129	8063389
Surrogate: 1,2-Dichloroethane-d4	25.0	25.5		ug/L	102	60 - 140	8063869
Surrogate: 1,2-Dichloroethane-d4	25.0	24.2		ug/L	97	60 - 140	8063389
Surrogate: Dibromofluoromethane	25.0	25.8		ug/L	103	75 - 124	8063869
Surrogate: Dibromofluoromethane	25.0	25.2		ug/L	101	75 - 124	8063389
Surrogate: Toluene-d8	25.0	26.6		ug/L	106	78 - 121	8063869
Surrogate: Toluene-d8	25.0	24.1		ug/L	96	78 - 121	8063389
Surrogate: 4-Bromofluorobenzene	25.0	26.1		ug/L	104	79 - 124	8063389
Surrogate: 4-Bromofluorobenzene	25.0	23.0		ug/L	92	79 - 124	8063869
Polyaromatic Hydrocarbons by EPA 8270C							
Acenaphthene	50.0	28.6		ug/L	57	49 - 107	8063335
Acenaphthene	50.0	32.2	MNR1	ug/L	64	49 - 107	8063334
Acenaphthylene	50.0	31.2		ug/L	62	50 - 108	8063335
Acenaphthylene	50.0	38.9	MNR1	ug/L	78	50 - 108	8063334
Anthracene	50.0	38.9		ug/L	78	45 - 133	8063335
Anthracene	50.0	35.4	MNR1	ug/L	71	45 - 133	8063334
Benzo (a) anthracene	50.0	37.6	MNR1	ug/L	75	53 - 118	8063334
Benzo (a) anthracene	50.0	37.7		ug/L	75	53 - 118	8063335
Benzo (a) pyrene	50.0	39.3		ug/L	79	35 - 138	8063335
Benzo (a) pyrene	50.0	37.1	MNR1	ug/L	74	35 - 138	8063334
Benzo (b) fluoranthene	50.0	38.8		ug/L	78	50 - 122	8063335
Benzo (b) fluoranthene	50.0	40.6	MNR1	ug/L	81	50 - 122	8063334
Benzo (g,h,i) perylene	50.0	38.7		ug/L	77	47 - 123	8063335
Benzo (g,h,i) perylene	50.0	27.9	MNR1	ug/L	56	47 - 123	8063334
Benzo (k) fluoranthene	50.0	39.4	MNR1	ug/L	79	46 - 125	8063334
Benzo (k) fluoranthene	50.0	37.2		ug/L	74	46 - 125	8063335
Chrysene	50.0	36.0		ug/L	72	53 - 116	8063335
Chrysene	50.0	39.7	MNR1	ug/L	79	53 - 116	8063334

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
Polyaromatic Hydrocarbons by EPA 8270C							
Dibenz (a,h) anthracene	50.0	33.3	MNR1	ug/L	67	50 - 124	8063334
Dibenz (a,h) anthracene	50.0	40.4		ug/L	81	50 - 124	8063335
Fluoranthene	50.0	39.5	MNR1	ug/L	79	55 - 120	8063334
Fluoranthene	50.0	38.3		ug/L	77	55 - 120	8063335
Fluorene	50.0	33.5		ug/L	67	53 - 113	8063335
Fluorene	50.0	35.5	MNR1	ug/L	71	53 - 113	8063334
Indeno (1,2,3-cd) pyrene	50.0	32.5	MNR1	ug/L	65	50 - 123	8063334
Indeno (1,2,3-cd) pyrene	50.0	39.8		ug/L	80	50 - 123	8063335
Naphthalene	50.0	39.4	MNR1	ug/L	79	39 - 150	8063334
Naphthalene	50.0	25.4		ug/L	51	39 - 150	8063335
Phenanthrene	50.0	36.1		ug/L	72	53 - 116	8063335
Phenanthrene	50.0	37.6	MNR1	ug/L	75	53 - 116	8063334
Pyrene	50.0	38.7		ug/L	77	53 - 123	8063335
Pyrene	50.0	40.1	MNR1	ug/L	80	53 - 123	8063334
1-Methylnaphthalene	50.0	24.2		ug/L	48	28 - 100	8063335
1-Methylnaphthalene	50.0	31.1	MNR1	ug/L	62	28 - 100	8063334
2-Methylnaphthalene	50.0	31.4	MNR1	ug/L	63	35 - 105	8063334
2-Methylnaphthalene	50.0	23.6		ug/L	47	35 - 105	8063335
Surrogate: Terphenyl-d14	50.0	33.0		ug/L	66	21 - 123	8063334
Surrogate: Terphenyl-d14	50.0	31.0		ug/L	62	21 - 123	8063335
Surrogate: 2-Fluorobiphenyl	50.0	31.9		ug/L	64	34 - 108	8063335
Surrogate: 2-Fluorobiphenyl	50.0	27.6		ug/L	55	34 - 108	8063334
Surrogate: Nitrobenzene-d5	50.0	35.0		ug/L	70	29 - 116	8063334
Surrogate: Nitrobenzene-d5	50.0	31.5		ug/L	63	29 - 116	8063335
Extractable Petroleum Hydrocarbons							
TRPH	850	971		ug/L	114	55 - 118	8064039
TRPH	850	750	V	ug/L	88	55 - 118	8063342
TRPH	850	783		ug/L	92	55 - 118	8063647
Surrogate: o-Terphenyl	40.0	45.1		ug/L	113	82 - 142	8064039
Surrogate: o-Terphenyl	40.0	39.0		ug/L	98	82 - 142	8063342
Surrogate: o-Terphenyl	40.0	38.9		ug/L	97	82 - 142	8063647
Surrogate: C-35	200	195		ug/L	97	42 - 193	8064039
Surrogate: C-35	200	89.0		ug/L	44	42 - 193	8063342
Surrogate: C-35	200	125		ug/L	62	42 - 193	8063647

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc.	% Rec.	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
Selected Volatile Organic Compounds by EPA Method 8260B										
Benzene		49.0		ug/L	50.0	98	0.9	23	8063389	
Benzene		44.4		ug/L	50.0	89	0.2	23	8063869	
Ethylbenzene		43.1		ug/L	50.0	86	0.2	17	8063869	
Ethylbenzene		48.6		ug/L	50.0	97	3	17	8063389	
Methyl tert-Butyl Ether		46.8		ug/L	50.0	94	2	32	8063389	
Methyl tert-Butyl Ether		41.9		ug/L	50.0	84	4	32	8063869	
Toluene		44.2		ug/L	50.0	88	4	19	8063869	
Toluene		48.1		ug/L	50.0	96	4	19	8063389	
Xylenes, total		145		ug/L	150	96	4	18	8063389	
Xylenes, total		130		ug/L	150	87	0.3	18	8063869	
Surrogate: 1,2-Dichloroethane-d4		24.2		ug/L	25.0	97			8063389	
Surrogate: 1,2-Dichloroethane-d4		23.3		ug/L	25.0	93			8063869	
Surrogate: Dibromofluoromethane		25.0		ug/L	25.0	100			8063389	
Surrogate: Dibromofluoromethane		25.7		ug/L	25.0	103			8063869	
Surrogate: Toluene-d8		24.4		ug/L	25.0	98			8063389	
Surrogate: Toluene-d8		25.5		ug/L	25.0	102			8063869	
Surrogate: 4-Bromofluorobenzene		26.1		ug/L	25.0	104			8063389	
Surrogate: 4-Bromofluorobenzene		22.8		ug/L	25.0	91			8063869	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	<0.270	53.4		ug/L	50.0	107	68 - 143	8063869	NRF1878-02
Benzene	75.9	115		ug/L	50.0	78	68 - 143	8063389	NRF1767-01
Ethylbenzene	194	202	J4	ug/L	50.0	16	80 - 135	8063389	NRF1767-01
Ethylbenzene	<0.240	52.8		ug/L	50.0	106	80 - 135	8063869	NRF1878-02
Methyl tert-Butyl Ether	<0.420	50.8		ug/L	50.0	102	60 - 144	8063869	NRF1878-02
Methyl tert-Butyl Ether	78.4	108		ug/L	50.0	60	60 - 144	8063389	NRF1767-01
Toluene	2.61	57.2		ug/L	50.0	109	75 - 139	8063389	NRF1767-01
Toluene	<0.280	51.1		ug/L	50.0	102	75 - 139	8063869	NRF1878-02
Xylenes, total	<0.860	153		ug/L	150	102	80 - 136	8063869	NRF1878-02
Xylenes, total	117	223	J4	ug/L	150	71	80 - 136	8063389	NRF1767-01
Surrogate: 1,2-Dichloroethane-d4		25.9		ug/L	25.0	104	60 - 140	8063389	NRF1767-01
Surrogate: 1,2-Dichloroethane-d4		27.2		ug/L	25.0	109	60 - 140	8063869	NRF1878-02
Surrogate: Dibromofluoromethane		24.5		ug/L	25.0	98	75 - 124	8063869	NRF1878-02
Surrogate: Dibromofluoromethane		25.1		ug/L	25.0	100	75 - 124	8063389	NRF1767-01
Surrogate: Toluene-d8		24.1		ug/L	25.0	96	78 - 121	8063869	NRF1878-02
Surrogate: Toluene-d8		27.5		ug/L	25.0	110	78 - 121	8063389	NRF1767-01
Surrogate: 4-Bromofluorobenzene		25.2		ug/L	25.0	101	79 - 124	8063869	NRF1878-02
Surrogate: 4-Bromofluorobenzene		23.9		ug/L	25.0	96	79 - 124	8063389	NRF1767-01

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: Solutions-IES, Inc (427297)
1101 Nowell Road
Raleigh, NC 27607
Attn: Carrie Ruhlman

Work Order: NRF1767
Project: Building 46, Cecil Field
Project Number: [none]

Sampled: 06/17/08-06/18/08
Received: 06/20/08

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
Selected Volatile Organic Compounds by EPA Method 8260B										
Benzene	<0.270	53.6		ug/L	50.0	107	0.6	23	8063869	NRF1878-02
Benzene	75.9	107	J4	ug/L	50.0	62	7	23	8063389	NRF1767-01
Ethylbenzene	194	181	J4	ug/L	50.0	-24	11	17	8063389	NRF1767-01
Ethylbenzene	<0.240	53.7		ug/L	50.0	107	2	17	8063869	NRF1878-02
Methyl tert-Butyl Ether	<0.420	50.5		ug/L	50.0	101	0.6	32	8063869	NRF1878-02
Methyl tert-Butyl Ether	78.4	105	J4	ug/L	50.0	54	3	32	8063389	NRF1767-01
Toluene	<0.280	59.6		ug/L	50.0	119	15	19	8063869	NRF1878-02
Toluene	2.61	53.0		ug/L	50.0	101	8	19	8063389	NRF1767-01
Xylenes, total	117	207	J4	ug/L	150	60	8	18	8063389	NRF1767-01
Xylenes, total	<0.860	155		ug/L	150	103	1	18	8063869	NRF1878-02
Surrogate: 1,2-Dichloroethane-d4		25.5		ug/L	25.0	102			8063389	NRF1767-01
Surrogate: 1,2-Dichloroethane-d4		27.3		ug/L	25.0	109			8063869	NRF1878-02
Surrogate: Dibromofluoromethane		25.0		ug/L	25.0	100			8063389	NRF1767-01
Surrogate: Dibromofluoromethane		24.7		ug/L	25.0	99			8063869	NRF1878-02
Surrogate: Toluene-d8		28.4		ug/L	25.0	113			8063389	NRF1767-01
Surrogate: Toluene-d8		27.0		ug/L	25.0	108			8063869	NRF1878-02
Surrogate: 4-Bromofluorobenzene		24.3		ug/L	25.0	97			8063389	NRF1767-01
Surrogate: 4-Bromofluorobenzene		25.1		ug/L	25.0	100			8063869	NRF1878-02

Client:	Solutions-IES, Inc (427297)	Work Order:	NRF1767	Sampled:	06/17/08-06/18/08
	1101 Nowell Road	Project:	Building 46, Cecil Field	Received:	06/20/08
	Raleigh, NC 27607	Project Number:	[none]		
Attn:	Carrie Ruhlman				

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	A2LA	AIHA	Nelac	Florida
EPA 300.0	Water		N/A	X	X
SW846 8260B	Water	X	N/A	X	X
SW846 8270C	Water		N/A	X	X
TPH-FL PRO	Water		N/A	X	X

DATA QUALIFIERS AND DEFINITIONS

B1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
CF2	Confirmatory analysis was past holding time.
CF6	Results confirmed by reanalysis.
H2	Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
I	The reported value is between the laboratory method detection limit and method reporting limit.
J1	Surrogate recovery limits have been exceeded.
J4	The sample matrix interfered with the ability to make an accurate determination.
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
S10	Insufficient sample available for reanalysis.
U	The compound was analyzed for but not detected
V	The analyte was detected in both the sample and the associated method blank.
Z3	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

ADDITIONAL COMMENTS

When insufficient sample volume is received for Matrix Spike and Matrix Spike Duplicate, Laboratory Control Spike and Laboratory Control Spike Duplicate data is used for batch QC.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER REC

NRF1767

Cooler Received/Opened On 06/20/2008 @ 0910

1. Tracking # 120T887501531 3793

Courier: UPS IR Gun ID 102594

2. Temperature of rep. sample or temp blank when opened: 1.4 Degrees Celsius

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

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

If yes, how many and where: 1 front

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

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

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

7. Were custody seals on containers: YES NO and intact YES...NO...NA

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

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

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

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

If preservation in-house was needed, record standard ID of preservative used here

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

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

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

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

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

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

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

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

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# 49230

Received 3 HCL liters with no information recorded on them.

Missing 1 HCL liter from 12I and 2 from 14D

BIS = Broken in shipment

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 06/20/2008 @ 0910

1. Tracking # 1Z0288750157457589

Courier: UPS IR Gun ID 102594

2. Temperature of rep. sample or temp blank when opened: 0.4 *Degrees Celsius*
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA
4. Were custody seals on outside of cooler? YES...NO...NA
   If yes, how many and where: 1 front
5. Were the seals intact, signed, and dated correctly? YES...NO...NA
6. Were custody papers inside cooler? YES...NO...NA

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

7. Were custody seals on containers: YES NO and Intact YES...NO...NA
   Were these signed and dated correctly? YES...NO...NA
8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None
10. Did all containers arrive in good condition (unbroken)? YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA
12. Did all container labels and tags agree with custody papers? YES...NO...NA
13a. Were VOA vials received? YES...NO...NA
    b. Was there any observable headspace present in any VOA vial? YES...NO...NA
14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

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

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA
    b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA
    If preservation in-house was needed, record standard ID of preservative used here _____
16. Was residual chlorine present? YES...NO...NA

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

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA
18. Did you sign the custody papers in the appropriate place? YES...NO...NA
19. Were correct containers used for the analysis requested? YES...NO...NA
20. Was sufficient amount of sample sent in each container? YES...NO...NA

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

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On T50, 06/20/2008 @ 0910

1. Tracking # 1207855 5252 3504

Courier: UPS IR Gun ID 102594

2. Temperature of rep. sample or temp blank when opened: 2.2 *Degrees Celsius*

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

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

   If yes, how many and where: 1 front

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

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

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

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

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

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

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

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

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

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

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

   b. Was there any observable headspace present in any VOA vial? 6-26-08 YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 3

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

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

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

   If preservation in-house was needed, record standard ID of preservative used here

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

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

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

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

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

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

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

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

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

BIS = Broken in shipment

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THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 06/20/2008 @ 0910

1. Tracking # 1Z 0T8 875 01 5700 1223

Courier: UPS IR Gun ID 102594

2. Temperature of rep. sample or temp blank when opened: 0.7 *Degrees Celsius*

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

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

   If yes, how many and where: 1 front

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

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

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

7. Were custody seals on containers: YES NO and intact YES...NO...NA

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

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

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

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

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

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

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

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

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

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

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

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

   If preservation in-house was needed, record standard ID of preservative used here_____

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

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

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

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

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

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

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

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

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

BIS = Broken in shipment

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THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 06/20/2008 @ 0910

1. Tracking # 1Z078 875 01 5253 1617

Courier: UPS IR Gun ID 102594

2. Temperature of rep. sample or temp blank when opened: 0.4 *Degrees Celsius*

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

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

   If yes, how many and where: 1 front

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

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

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

7. Were custody seals on containers: YES NO and intact YES...NO...NA

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

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

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

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

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

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

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

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

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

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

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

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

   If preservation in-house was needed, record standard ID of preservative used here_____

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

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

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

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

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

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

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

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

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

BIS = Broken in shipment

Cooler Receipt Form.doc

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 06/20/2008 @ 0910

1. Tracking # 1Z078875015357663 4

Courier: UPS IR Gun ID 102594

2. Temperature of rep. sample or temp blank when opened: 0-4 Degrees Celsius

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

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

If yes, how many and where: 1 front

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

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

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

7. Were custody seals on containers: YES NO and intact YES...NO...NA

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

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

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

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

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

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

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

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

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

I certify that I unloaded the cooler and answered questions 7-14 (intial) 6-20-08

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

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

If preservation in-house was needed, record standard ID of preservative used here_____

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

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

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

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

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

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

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

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

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

BIS = Broken in shipment

Cooler Receipt Form.doc

LF-1

End of Form

Revised 9/6/07

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 06/20/2008 @ 0910

1. Tracking # 1Z0T8875015242 1843

Courier: UPS IR Gun ID 102594

2. Temperature of rep. sample or temp blank when opened: 1.4 *Degrees Celsius*

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

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

   If yes, how many and where: 1 front

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

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

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

7. Were custody seals on containers: YES NO and intact YES...NO...NA

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

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

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

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

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

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

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

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

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

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

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

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

   If preservation in-house was needed, record standard ID of preservative used here_____

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

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

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

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

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

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

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

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

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

BIS = Broken in shipment

Cooler Receipt Form.doc

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 06/20/2008 @ 0910

1. Tracking # 1Z0788750154 02 0853

Courier: UPS IR Gun ID 102594

2. Temperature of rep. sample or temp blank when opened: 0.6 *Degrees Celsius*

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

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

   If yes, how many and where: 1 front

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   If preservation in-house was needed, record standard ID of preservative used here_____

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

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

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

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

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

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

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

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

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

BIS = Broken in shipment

Cooler Receipt Form.doc

LF-1

End of Form

Revised 9/6/07

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

Page _____ of _____

Client: Solutions-IES, Inc (427297)
Address: 1101 Nowell Road
City, State, Zip: Raleigh NC 27607
Client Invoice Contact: Carrie Ruhlman
Client Project Mgr: Carrie Ruhlman
Client Telephone#: (919) 873-1060 Fax: (919) 873-1074
Sampler Name (Print)
SamplerSignature:

TA Account #: 427297 PO #:
Invoice to: Solutions-IES, Inc (427297)
Report to: Carrie Ruhlman
Project Name: Building 46, Cecil Field
Facility ID: [none]
Site Address:
City,State,Zip: Florida
Regulatory District (CA):

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8270C Polyaromatic Hydrocarbons	Sulfate by IC 300.0	TRPH - FL PRO	BTEX & MTBE ONLY 8260										RUSH TAT (Pre Schedule) *	
CEF-46-1S	6/18/08	1255	7	✓					✓					✓	✓						✓	✓	✓	✓											-1
CEF-46-2S	6/18/08	1015	9	✓					✓					✓	✓						✓	✓	✓	✓											-2
CEF-46-5I	6/18/08	1150	8	✓					✓					✓	✓						✓	✓	✓	✓											-3
CEF-46-6D	6/18/08	1127	9	✓					✓					✓	✓						✓	✓	✓	✓											-4
CEF-46-7I	6/18/08	857	9	✓					✓					✓	✓						✓	✓	✓	✓											-5
CEF-46-9I	6/18/08	741	9	✓					✓					✓	✓						✓	✓	✓	✓											-6
CEF-46-12I	6/17/08	1256	9	✓					✓					✓	✓						✓	✓	✓	✓											-7
CEF-46-13I	6/17/08	1130	9	✓					✓					✓	✓						✓	✓	✓	✓											-8
CEF-46-14D	6/17/08	1525	9	✓					✓					✓	✓						✓	✓	✓	✓											-9
CEF-46-15I	6/17/08	1420	9	✓					✓					✓	✓						✓	✓	✓	✓											-10

NRF1767
07/07/08 23:59

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments;additional charges may be assessed.
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: *BO # 10925*

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Sam Mitchell	6/19/08			6/20/08	1500			
Shipped Via:			Shipped Via:					
Received for TestAmerica by:	Date:	Time:	Temperature Upon Receipt: 2.2	Sample Containers Intact? Y N		QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	Date Due of Report:	
	6/20/08	910		VOCs Free of Headspace? Y N				

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

Page _____ of _____

Client: Solutions-IES, Inc (427297)
Address: 1101 Nowell Road
City, State, Zip: Raleigh NC 27607
Client Invoice Contact: Carrie Ruhlman
Client Project Mgr: Carrie Ruhlman
Client Telephone#: (919) 873-1060 Fax: (919) 873-1074
Sampler Name (Print)
SamplerSignature:

TA Account #: 427297 PO #:
Invoice to: Solutions-IES, Inc (427297)
Report to: Carrie Ruhlman
Project Name: Building 46, Cecil Field
Facility ID: [none]
Site Address:
City,State,Zip: Florida
Regulatory District (CA):

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8270C Polyaromatic Hydrocarbons	Sulfate by IC 300.0	TRPH - FL PRO	BTEX + MTBE 8260											RUSH TAT (Pre Schedule) *	
CEF-46-21I	6/18/08	800	9	✓					✓					✓	✓						✓	✓	✓	✓												-11
CEF-46-24D	6/17/08	815	9	✓					✓					✓	✓						✓	✓	✓	✓												-12
CEF-46-25I	6/18/08	945	9	✓					✓					✓	✓						✓	✓	✓	✓												-13
CEF-46-26I	6/17/08	1245	9	✓					✓					✓	✓						✓	✓	✓	✓												-14
CEF-46-EB1																																				-15
~~CEF-46~~ Trip Blank																																				-16-17

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments;additional charges may be assessed.
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: *BO # 10925*

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Dan Marshall	6/18/08			18 JUN 08	1800			
Shipped Via:			Shipped Via:					
Received for TestAmerica by:	Date:	Time:	Temperature Upon Receipt: 2.2	Sample Containers Intact? Y N		QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	Date Due of Report:	
J. Humbl	6-20-08	~~0815~~ 0910		VOCs Free of Headspace? Y N				

6-20-08