N60200.AR.005028
NAS CECIL FIELD, FL
5090.3a

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

5/12/2008

SOLUTIONS-IES INC

FIRST 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:

NAVFAC SOUTHEAST
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SOLUTIONS-IES PROJECT NO. 4080.08A2.CECI

MAY 12, 2008

Solutions-IES
Industrial & Environmental Services

SIGNATURE PAGE

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.

5/12/08 PG-FL2090, REM-6089

James L. Young, P.G., REM
Terraine Project Manager
Terraine, Inc.

Date Registration Nos.

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NO. 2090
STATE OF
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5/12/08

Walter J. Beckwith
Director of Technical Services
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5/12/08

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Date

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T:\Project Files\Cecil Field\March2008\Bldg46\Bldg46 Report Final.doc
N60200, 46, UST, 20080430, 2008_1stQtrRpt.pdf

1.0 INTRODUCTION

Solutions-IES, Inc. (Solutions-IES) has been contracted by the Navy (NAVFAC Southeast), to provide long-term groundwater monitoring 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 First Quarter Monitoring Report details the activities performed at the site from January through March 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 in **Appendix A (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 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. Since that time, Solutions-IES has been working with CH_2M Hill to design and install a new AS system for the east side of the Building 46 site.

Currently, 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 (Appendix A)**.

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 MONITORING WELL INVENTORY

The monitoring wells were inventoried and inspected for damage during the March 2008 sampling event. Other easily identified wells onsite were visually observed to ensure no obvious damage. Well inspection reports for all active monitoring wells can be found in **Appendix B**.

No extensive damage (i.e., the need for well replacement or abandonment) to the wells was noted by the field team during the March 2008 event. Well locks and bolts will be replaced during the next field event, as recommended in the inspection reports.

2.2 WATER LEVEL MEASUREMENTS

Depth-to-groundwater measurements were recorded on March 5, 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, Appendix C.**

A groundwater contour map, indicating the water levels measured during the March 2008 event has been prepared, and can be found in **Appendix A (Figure 3)**. According to depth-to-water measurements obtained on March 5, 2005, groundwater flows south-southwest in the intermediate zone at the site.

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

2.3 GROUNDWATER SAMPLING

2.3.1 Methodology

Groundwater sampling was conducted at the Building 46 site on March 5, 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 the 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© kits. Carbon dioxide readings could not be obtained for wells CEF-46-06D, -1S, -26I, or -24D because of test interference.

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 in Orlando within 24 hours under Chain-of-Custody procedures.

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

2.3.2 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 Series 300.0

A Level II data report was provided by the laboratory.

2.4 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 June 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. The vendor of the systems did not provide O&M logs for the period of operation prior to system shut down. Solutions-IES is currently working with CH_2M Hill to design and provide a new AS system for the east side of the site. No systems were on site during the March 2008 sampling event.

3.2 MAINTENANCE SUMMARY

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

4.0 SAMPLING AND ANALYTICAL RESULTS

4.1 DATA VALIDATION

The data were validated by Test America, Inc. 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. The validation process resulted in qualifiers shown with the analyte concentrations in **Table 3, Appendix C.**

4.2 GROUNDWATER RESULTS

Results from the first quarter 2008 sampling event, along with historical sampling results can be found in **Table 3, Appendix C.** Only three wells contained constituents above the GCTLs during this reporting period: CEF-46-1S, CEF-46-6D and CEF-46-7I. The constituents included benzene, ethylbenzene, xylenes, TRPH, MTBE, naphthalene, 1-methylnapthalene, 2-methylnapthalene and sulfate.

This quarter, benzene, ethylbenzene, xylenes, MTBE 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. The xylene concentrations in CEF-46-1S also exceeded the Natural Attenuation Default Source Concentration (NADSC) of 200 µg/L this quarter. This constituent has consistently exceeded the NADSC 18 out of the last 21 sampling events over the past five years. The trends in benzene, ethylbenzene and xylene concentrations in CEF-46-1S are shown in **Figure 4 (Appendix A)**. In general, these concentrations have been decreasing over the past five years.

Benzene was also detected above the GCTL (1 µg/L) in well CEF-46-7I 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. In general, TRPH concentrations (**Table 3**) have been decreasing from 2003 through March 2008, though a few spikes in concentration have been detected during this time (September 2005, December 2007).

MTBE exceeded the GCTL of 20 µg/L in both CEF-46-1S (97.1 µg/L) and CEF-46-7I (147 µg/L) during this reporting period. In general, concentrations in both wells have been decreasing from 2003 to present. MTBE concentrations in well CEF-46-7I have consistently been greater than concentrations in CEF-46-1S.

Three PAHs were also detected in CEF-46-1S in March 2008. Naphthalene (337 µg/L), 1-methylnaphthalene (65.1 µg/L) and 2-methylnaphthalene (89 µg/L) were all reported above their GCTLs of 14 µg/L, 28 µg/L and 28 µg/L, respectively. Naphthalene also exceeded the NADSC (140 µg/L) this quarter. Naphthalene has consistently exceeded the NADSC over the past five years.

Monitoring well CEF-46-7I exhibited concentrations of naphthalene above the GCTL in the recent past. However, the naphthalene concentration reported for the March 2008 sampling event was below the GCTL.

Sulfate concentrations exceeded the GCTL (250 mg/L) in wells CEF-46-1S (946 mg/L) and CEF-46-6D (14,900 mg/L). Trends in sulfate concentrations over time in historically impacted monitoring wells are shown in **Figure 6** (**Appendix A**). With the exception of wells CEF-46-1S and CEF-46-6D, sulfate concentrations are generally decreasing over time. Complete historical sampling results can be found in **Table 3, Appendix C**.

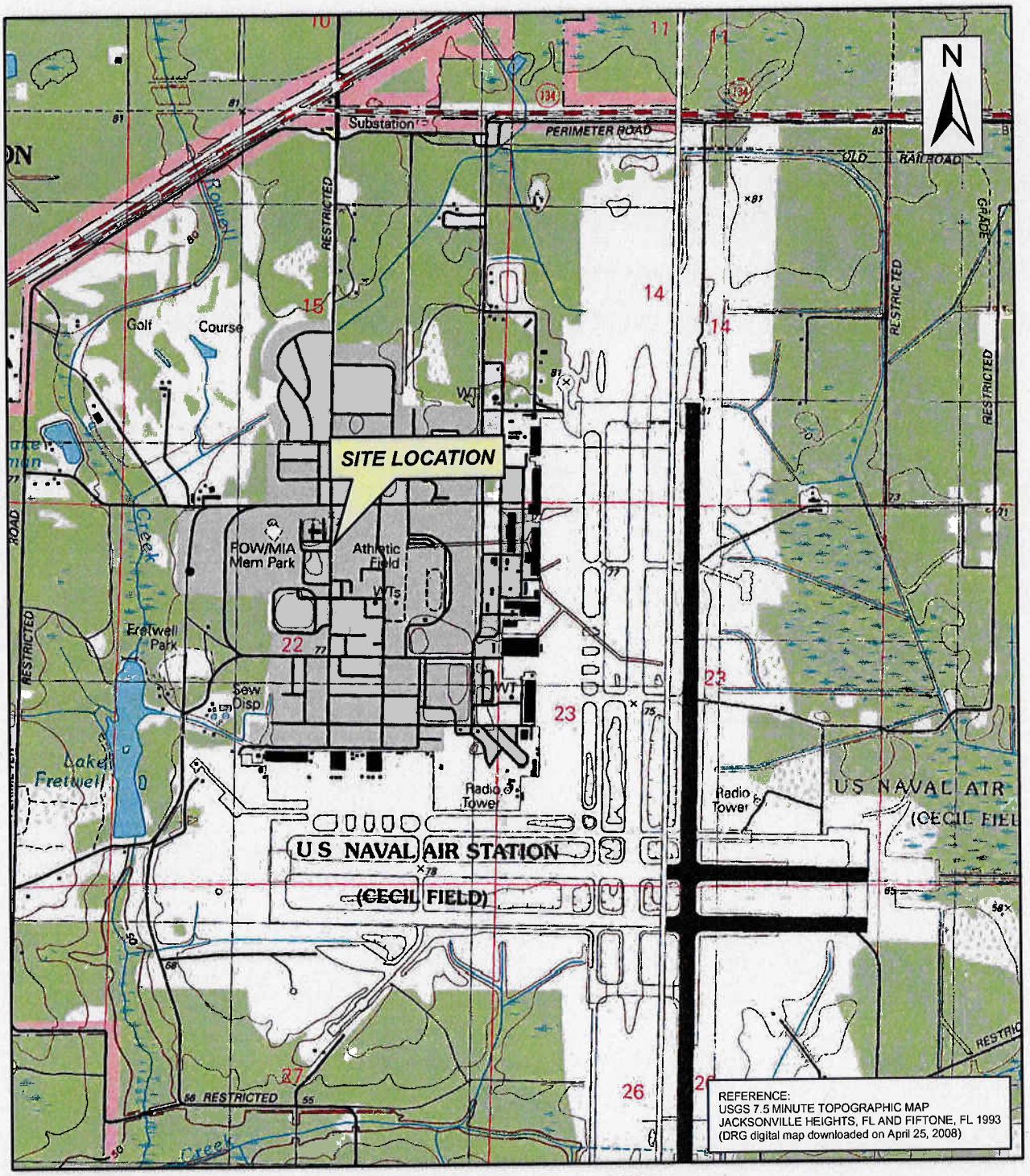
5.0 CONCLUSIONS

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 March 2008 sampling event. Constituents detected in excess of their regulatory limits this quarter include benzene, ethylbenzene, toluene, xylene, MTBE, naphthalene, 1-methylnaphthalene, 2-methylnaphthalene, sulfate and TRPH. Three monitoring wells, CEF-46-1S, CEF-46-7I and CEF-46-6D, 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.

Since Solutions-IES was awarded this contract in January 2008, FDEP approved discontinuing use of the west side system at the site. Both the west and east systems were removed from the site in January 2008. Solutions-IES is currently awaiting approval of a modification to Contract No. N62467-05-G-0193 that will allow installation of a new AS system for the east side. No changes have been made to the sampling plan for this site since January 2008. The March 2008 sampling was conducted in general accordance with previous sampling events. The next sampling event will be conducted in June 2008 and a new AS system will be installed on the east side of the site when authorized.

APPENDIX A

FIGURES



REFERENCE:
USGS 7.5 MINUTE TOPOGRAPHIC MAP
JACKSONVILLE HEIGHTS, FL AND FIFTONE, FL 1993
(DRG digital map downloaded on April 25, 2008)

1:24,000

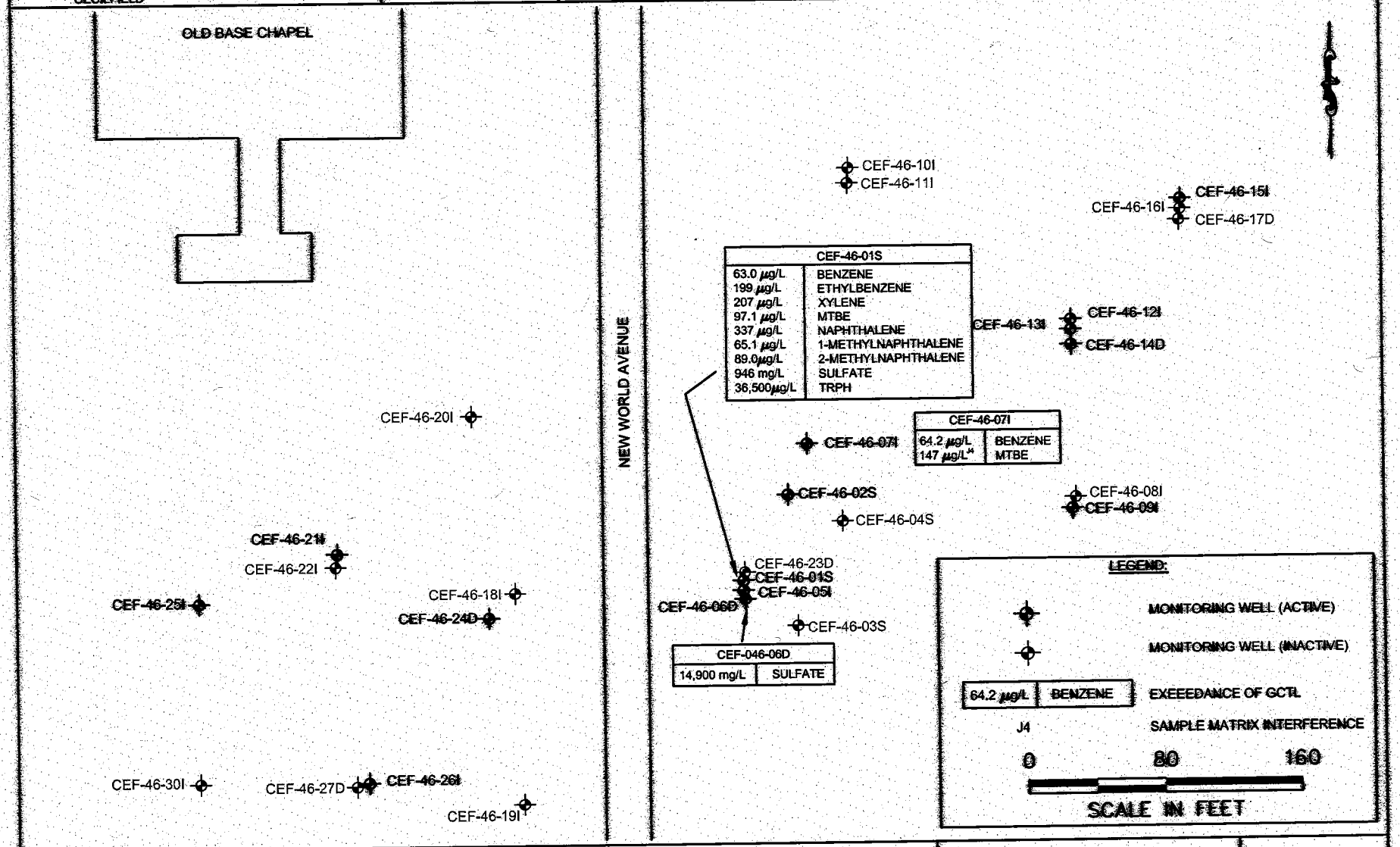
SITE LOCATION MAP
BUILDING 46
NAS CECIL FIELD
DUVAL COUNTY, FLORIDA

Solutions-IES
Industrial & Environmental Services

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

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

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



Solutions-IES
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1101 NOWELL ROAD
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TEL.: (919) 873-1060 FAX.: (919) 873-1074

NOTES:

1) BASEMAP PROVIDED BY TERRAINE ENVIRONMENTAL.

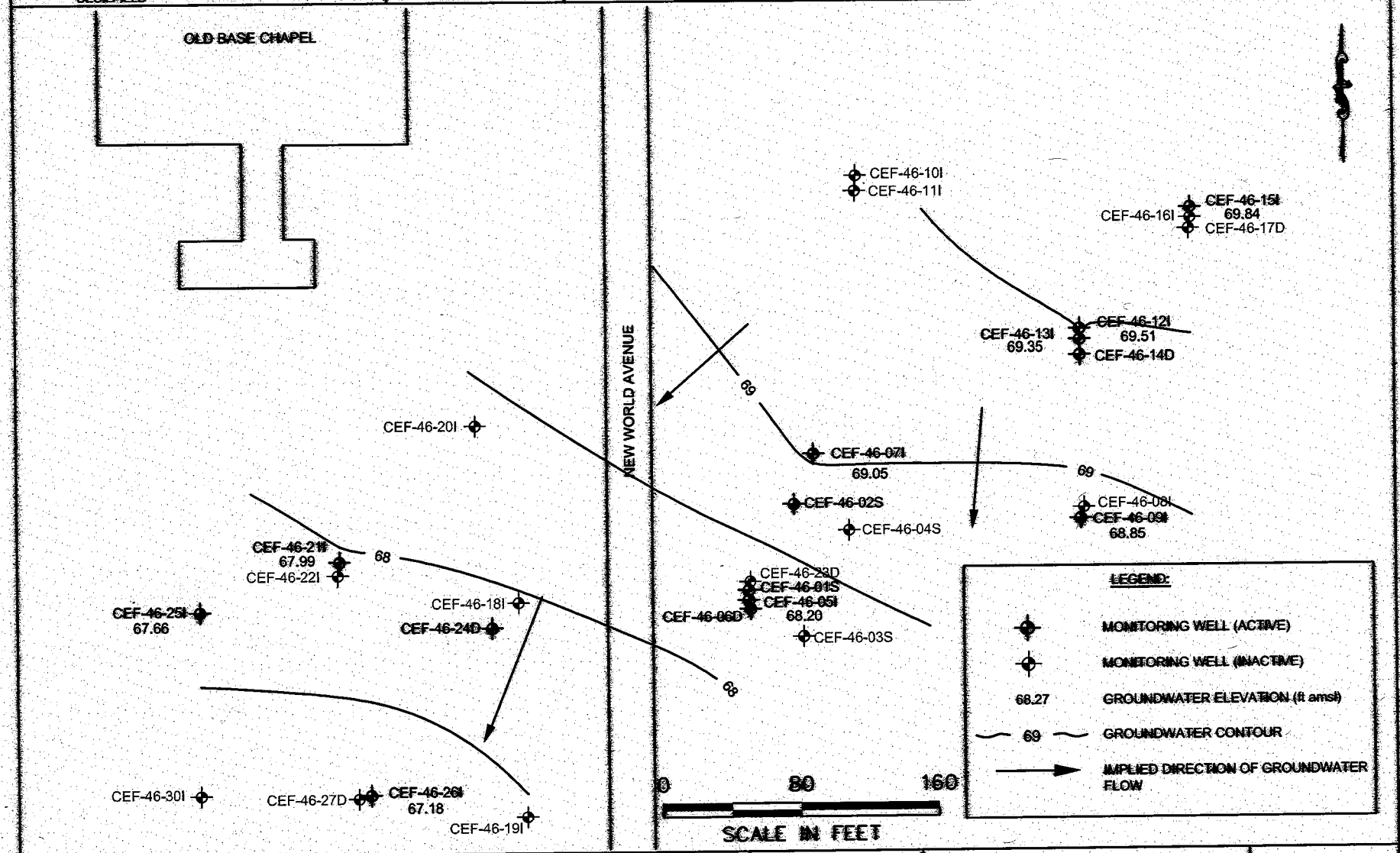
2) WELL LOCATIONS ARE APPROXIMATE AND BASED ON SURVEY DATA.

3) ONLY CONCENTRATIONS ABOVE THE GCTLs ARE SHOWN.

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

FIGURE: 2

FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
CECIL FIELD	APRIL 2008	CR	BR	JD	4080.08A2.CECI



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TEL.: (919) 873-1060 FAX.: (919) 873-1074

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
MARCH 2008

FIGURE: 3

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

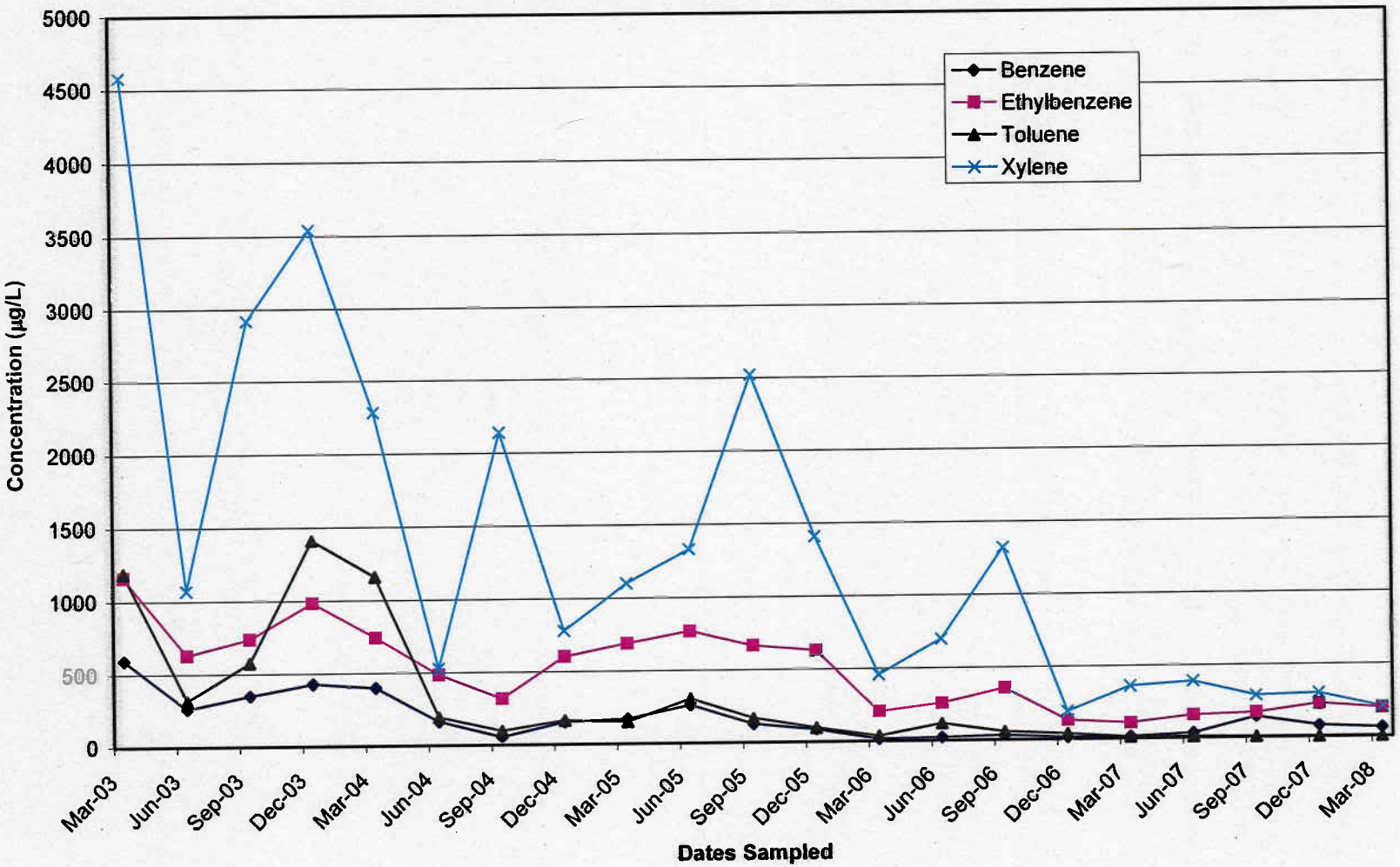


Figure 5
MTBE and Naphthalene Constituents in CEF-46-1S
March 2003-March 2008

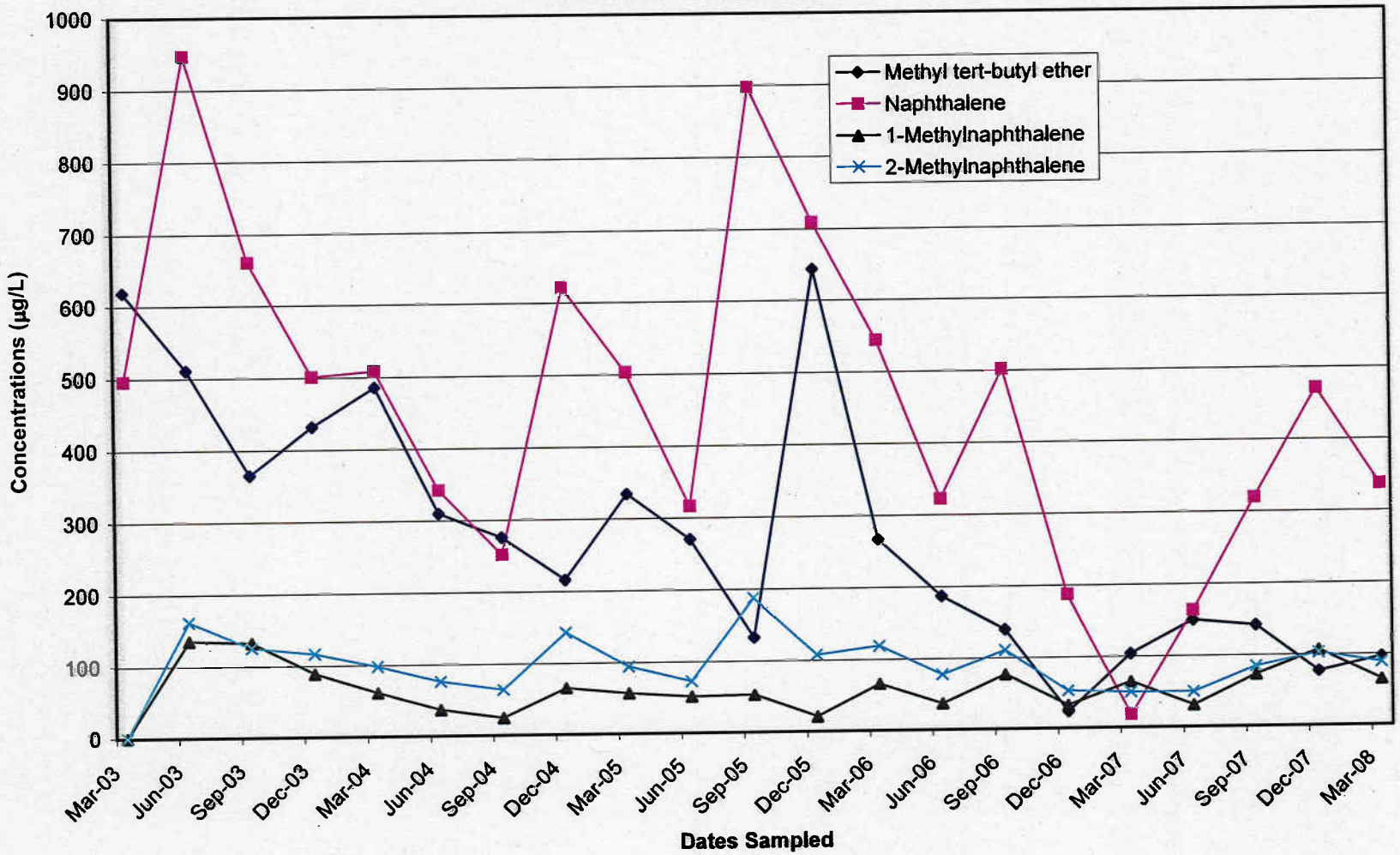
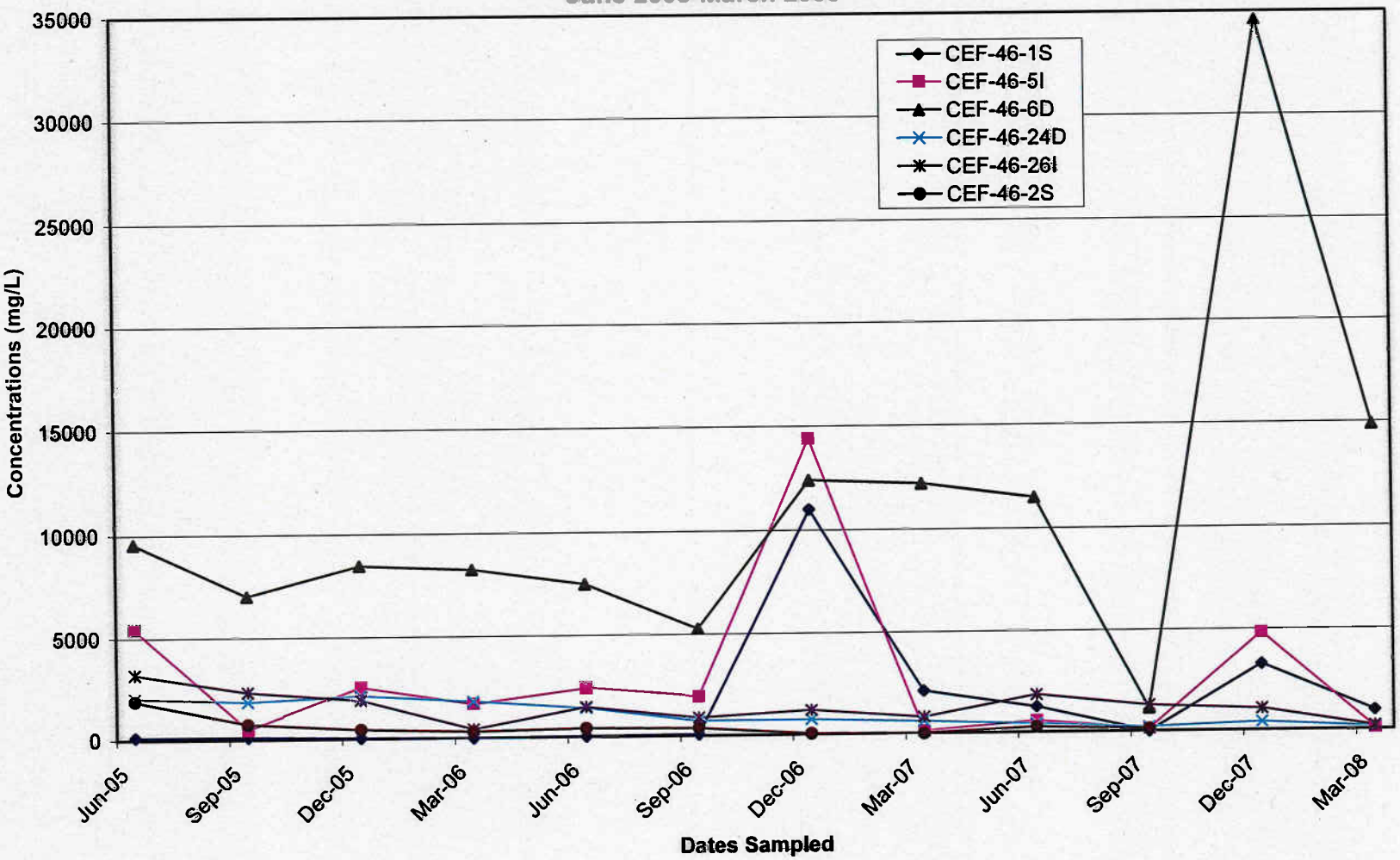


Figure 6
Sulfate Concentration in Selected Wells
June 2005-March 2008



APPENDIX B

WELL INSPECTION REPORTS

Solutions-IES
Industrial & Environmental Services

WELL INSPECTION REPORT

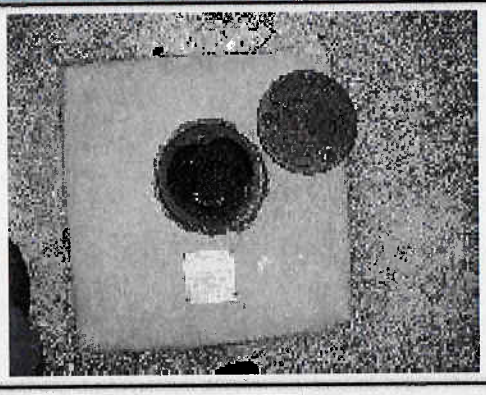
Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-09I / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	21:06
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	50.50	Survey Northing	2,143,954.9400
Screen Interval (ft)		Survey Easting	375,484.6300
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	79.05

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good
Well Lock	Missing
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

SIGNATURE

Solutions-IES
Industrial & Environmental Services

WELL INSPECTION REPORT

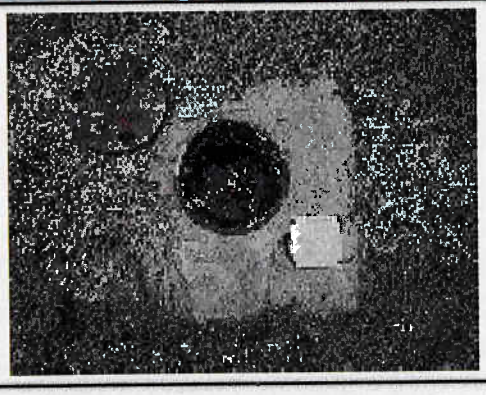
Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-15I / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	21:14
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	30.50	Survey Northing	2,144,135.9400
Screen Interval (ft)		Survey Easting	375,549.3900
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	79.75

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	damaged
Well Lock	Missing
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	Yes
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

SIGNATURE

MH

Solutions-IES
Industrial & Environmental Services

WELL INSPECTION REPORT

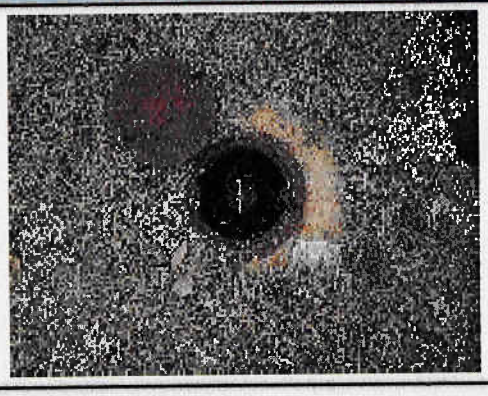
Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-01S / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	20:46
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	15.00	Survey Northing	2,143,912.8200
Screen Interval (ft)		Survey Easting	375,291.4700
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	79.08

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good
Well Lock	Missing
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

SIGNATURE

MtG

Solutions-IES
Industrial & Environmental Services

WELL INSPECTION REPORT

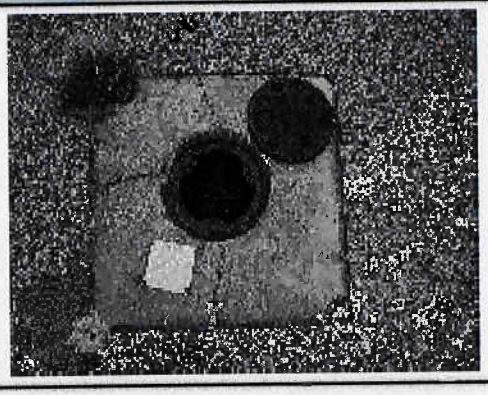
Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-12I / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	21:08
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	30.50	Survey Northing	2,144,064.4400
Screen Interval (ft)		Survey Easting	375,484.5800
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	78.73

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good
Well Lock	Missing
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

SIGNATURE

MH

Solutions-IES
Industrial & Environmental Services

WELL INSPECTION REPORT

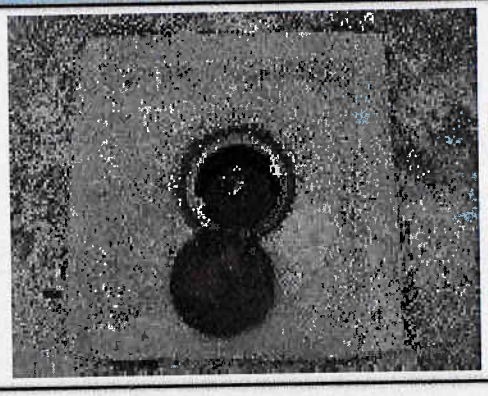
Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-25I / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	21:23
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	50.45	Survey Northing	2,143,903.4920
Screen Interval (ft)		Survey Easting	374,971.0126
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	79.17

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good
Well Lock	Missing
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

SIGNATURE

MH

Solutions-IES
Industrial & Environmental Services

WELL INSPECTION REPORT

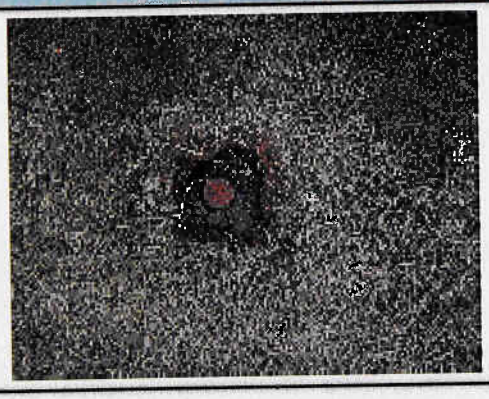
Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-06D / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	21:02
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	80.50	Survey Northing	2,143,903.0300
Screen Interval (ft)		Survey Easting	375,291.0400
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	79.17

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good,non-locking
Well Lock	Other
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	Yes
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

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WELL INSPECTION REPORT

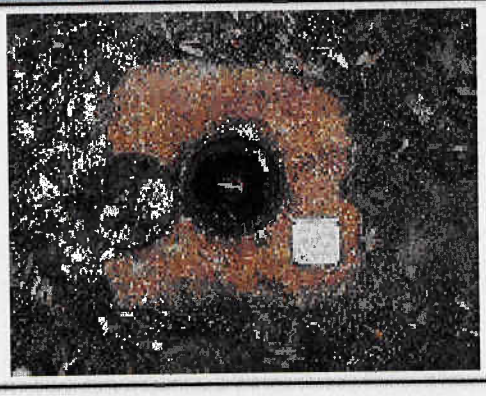
Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-21I / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	21:16
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	30.50	Survey Northing	2,143,931.8100
Screen Interval (ft)		Survey Easting	375,052.2000
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	79.31

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good
Well Lock	Missing
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

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WELL INSPECTION REPORT

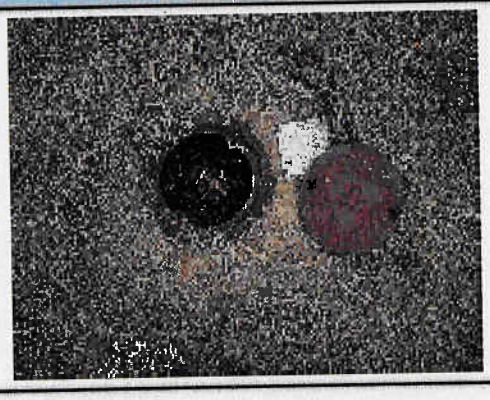
Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-02S / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	20:56
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	15.00	Survey Northing	2,143,963.1300
Screen Interval (ft)		Survey Easting	375,316.9600
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	79.08

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good
Well Lock	Damaged
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

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WELL INSPECTION REPORT

Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-26I / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	21:25
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	47.76	Survey Northing	2,143,795.4900
Screen Interval (ft)		Survey Easting	375,068.6300
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	79.43

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good
Well Lock	Missing
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

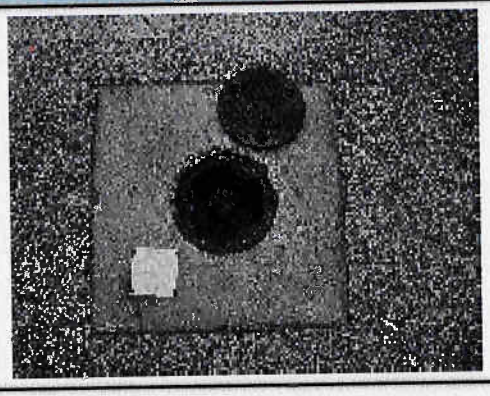
Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-13I / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	21:10
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	50.50	Survey Northing	2,144,058.6100
Screen Interval (ft)		Survey Easting	375,484.5500
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	78.87

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good
Well Lock	Missing
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

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Industrial & Environmental Services

WELL INSPECTION REPORT

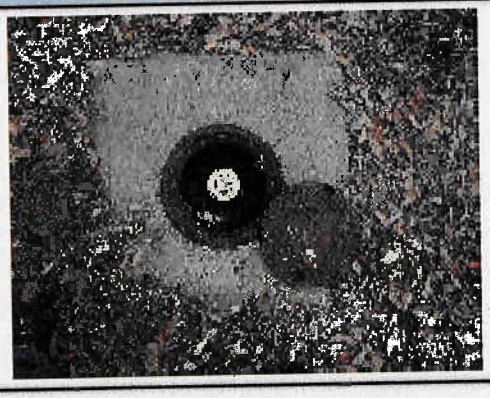
Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-24D / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	21:18
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	90.45	Survey Northing	2,143,893.2100
Screen Interval (ft)		Survey Easting	375,141.3000
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	78.74

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good,non-locking
Well Lock	Other
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	Yes
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

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WELL INSPECTION REPORT

Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-07I / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	21:04
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	30.50	Survey Northing	2,143,993.8200
Screen Interval (ft)		Survey Easting	375,328.3300
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	79.02

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good
Well Lock	Missing
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

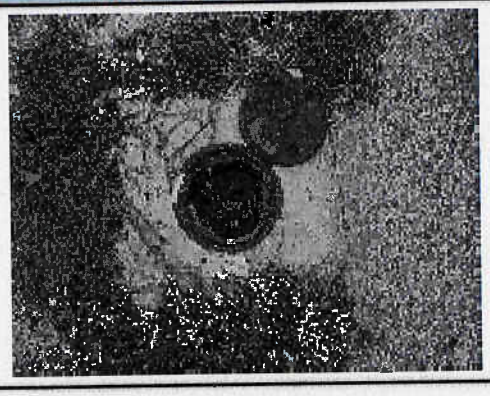
Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-14D / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	21:12
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	80.00	Survey Northing	2,144,051.1300
Screen Interval (ft)		Survey Easting	375,484.7700
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	78.88

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good
Well Lock	Missing
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

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WELL INSPECTION REPORT

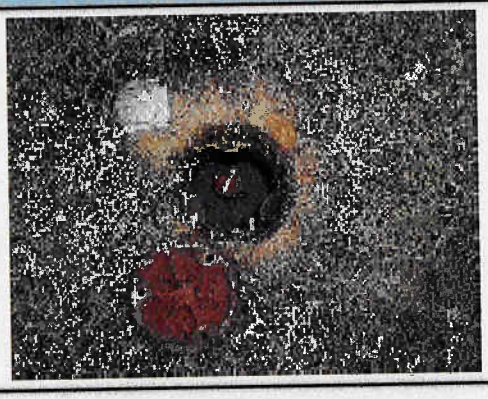
Facility Name	Naval Air Station, Cecil Field	**Well ID / Well Type**	CEF-046-05I / Monitoring Well
Facility Location	Jacksonville, FL	**Inspection Date**	03/06/2008
Site Name	Building 46	**Inspection Time**	20:59
Site Status	Active	**Field Inspector**	Josh Clay

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	50.50	Survey Northing	2,143,908.3800
Screen Interval (ft)		Survey Easting	375,291.4300
Well Diameter (in)	2	North (decimal degrees)	
Well Material		East (decimal degrees)	
Completion Type:	Flush Mount	TOC Elevation	79.18

WELL CONDITIONS	
Well Pad	good
Well Tag	properly attached
Well Cover	bolts missing
Well Cap	good
Well Lock	Missing
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	No
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

SIGNATURE

APPENDIX C

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
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
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
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

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
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
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
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

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
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
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

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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
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

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BUILDING 46
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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
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
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
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
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
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

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
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
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
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

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
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
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
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

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
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
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

* Horiba Multimeter
**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
Groundwater Criteria (GCTL)		1	30	40	20	n/a	20	14	28	28
Natural Attenuation Default Source (NADS)		100	300	400	200	n/a	200	140	280	280
CEF-46-1S	12/21/00	[illegible]	[illegible]	[illegible]	[illegible]	74900	NM	[illegible]	NM	NM
	01/25/01	0.28	0.44	1.4	3.2	5.32	<1.0	<1.0	NM	NM
	03/14/03	[illegible]	1160.0	[illegible]	[illegible]	7522	[illegible]	496	<4.0	<4.0
	06/09/03	[illegible]	626.0	318.0	1070.0	2276	511	947	136	162
	09/03/03	[illegible]	735.0	575.0	[illegible]	4560	365	651	133	126
	12/11/03	430.0	982.0	1410.0	3540.0	6362	432	501	89	117
	03/18/04	401.0	741.0	1160.0	2280.0	4582	486	508	61.6	98.5
	06/08/04	[illegible]	484.0	194.0	528.0	1367	310	342	36.6	76.5
	09/21/04	[illegible]	321Y	97.4Y	2140Y	2613.2Y	276Y	252 J3Y	24.2 J3Y	64.2 J3Y
	12/01/04	[illegible]	601.5	163.9	779.0	1697.4	[illegible]	621.4	85.6	143
	03/13/05	[illegible]	687.0	152.0	1100.0	2113	334	503	56.9	94.5
	06/09/05	[illegible]	[illegible]	308.0	1330.0	2668	270	316	51.3	73.0
	09/06/05	[illegible]	664.0	169.0	2520.0	3480	133	897	52.6	188
	12/06/05	65.9	827.0	95.8	1410.0	2218.7	[illegible]	709	20.8 I	108
	03/29/06	15.2	205.0	36.2	458.0	714.4	267	544	65.8	119
	06/08/06	21.8	259.0	116.0	698.0	1096.9	187	322	36.7	76
	09/24/06	31.6	[illegible]	57.1	1320.0	1767.7	140	502	76.9	111
	12/09/06	12.8	131.0	37.3	194.0	375.1	23.1	187	32.2	53
	03/01/07	12.0	107.0	11.4	363.0	493.4	104	17.7	64.8	50.1
	06/15/07	34.0	159.0	9.8	391.0	593.8	160	163	30.7	49.6
	09/21/07	[illegible]	173.0	5.1	[illegible]	619.8	142	319	73.4	84.9
	12/05/07	78.4	230.0	3.8	304.0	616.2	77.3	471	107	103.0
	03/06/08	63.0	199	3.00	267	472	97.1	332	65.1	89.0
CEF-46-2S	12/21/00	[illegible]	72	51	[illegible]	623	NA	[illegible]	NM	NM
	01/25/01	7.3	0.96	1.5	3.3	13.06	7.1	11	NM	NM
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	156	<2.0	<2.0	<2.0
	06/05/03	<1.00	<1.0	<1.0	<1.0	<1.0	54.5	<0.10	<0.10	<0.10
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	21.3	0.24	<0.10	<0.10
	12/11/03	<1.00	<1.0	<1.0	<3.0	<1.0	21.7	<0.10	<0.10	<0.10
	03/18/04	12.4	<1.0	<1.0	3.7	16.1	24.3	1.4	0.16	0.21
	06/08/04	3.72	<1.00	<1.00	<1.00	3.72	26.1	0.643 I	<2.04	<2.04
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	8.32Y	<2.17 J3Y	<2.17 J3Y	<2.17 J3Y
	12/01/04	[illegible]	134.5	0.5700 I	136	389.17	135.8	81.30	4.56 I	<0.214
	03/13/05	54.6	1.04 I	0.210 I	1.64	57.49	47.8	96.50	7.77	0.439 I
	06/09/05	25.9	< 0.201	< 0.142	< 0.220	25.9	17.2	<0.101	< 0.133	< 0.210
	09/06/05	<0.143	<0.201	<0.142	< 0.220	<0.220	3.95	26.0	1.12 I	<0.203
	09/21/05	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	4.47	<0.100	<0.133	<0.203
	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
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	2.00	<0.100	<0.133	<0.203
	09/25/06	<0.305	<0.338	<0.257	<0.433	<0.433	1.69	<0.100	<0.133	<0.203
	12/08/06	3.18	0.600 I	<0.257	1.46	5.24	2.44	<0.100	<0.133	<0.203
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	1.06	3.44 I	2.73 I	<0.203
	06/15/07	<0.305	<0.338	<0.338	<0.433	<0.433	3.28	<0.100	<0.133	<0.203
	09/12/07	<0.305	<0.338	0.380 I	<0.433	0.380 I	<0.336	<0.100	<0.133	<0.203
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	1.02	<0.100	<0.133	<0.203
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203
CEF-46-3S	12/06/05	17.2	1.81 I	0.480 I	1.58 I	21.05	19.3	<0.103	<0.137	<0.209
CEF-46-4S	12/06/05	0.570 I	<0.201	<0.142	0.548 I	1.11 I	1.47 I	<0.103	<0.137	<0.209
CEF-46-6I	12/21/00	[illegible]	38	13	150	1051	NM	1.6	NM	NM
	01/25/01	[illegible]	7.4	3.1	31	221.5	<1.0	<1.0	NM	NM
	03/14/03	<1.0	<1.0	<1.0	9.0	9.0	<1.0	<2.0	<2.0	<2.0
	06/05/03	<1.00	<1.0	<1.0	5.2	5.2	4.6	<0.10	<0.10	<0.10
	09/03/03	<1.00	<1.0	<1.0	6.6	6.6	66.2	<0.10	<0.10	<0.10
	12/11/03	<1.00	<1.0	<1.0	4.1	4.1	70	<0.10	<0.10	<0.10
	03/18/04	1.4	<1.0	1.1	3.9	6.4	26.4	<0.10	<0.10	<0.10
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	2.3	<2.04	<2.04	<2.04
	09/21/04	<1.00Y	1.81Y	<1.00Y	2.83Y	4.64Y	<1.00Y	<2.20 J3Y	<2.20 J3Y	<2.20 J3Y
	12/01/04	<0.143	0.4400 I	<0.1417	<0.220	0.4400 I	<0.2359	<0.23	<0.206	<0.216
	03/13/05	1.75 I	<0.201	<0.142	1.23 I	2.98 I	3.56	<0.112	<0.148	<0.233
	06/09/05	< 0.143	< 0.201	< 0.142	0.950 I	0.950 I	8.65	<0.101	< 0.133	< 0.210
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.100	<0.133	<0.203
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.100	<0.133	<0.203
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	<0.236	<0.100	<0.133	<0.203
	06/09/06	0.340 I	<0.338	<0.257	<0.433	0.340 I	<0.336	<0.100	<0.133	<0.203
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203
	12/08/06	<0.305	<0.338	<0.257	<0.433	<0.443	<0.336	<0.100	<0.133	<0.203
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.338	<0.100	3.23 I	3.05 I
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203
	09/12/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336 J4	<0.100	<0.133	<0.203
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203

Well	Date	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene
Groundwater Criteria (GCTL)		210	20	280	210	2100	280	210	0.05	4.8	0.05	0.5	0.2
Natural Attenuation Default Source (NADS)		2100	200	2800	2100	21000	2800	2100	5	480	5	50	20
CEF-46-1S	12/21/00	1.4	<1.1	0.98	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
	01/25/01	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	03/14/03	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	06/09/03	<0.10	0.29	0.22	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	09/03/03	<0.10	0.45	0.26	0.48	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	12/11/03	<0.10	0.26	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	03/18/04	<0.10	0.24	<0.10	0.18	0.27	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	06/08/04	<5.10	<2.04	<2.04	<5.10	<1.02	<1.02	<5.10	<0.204	<0.204	<0.204	<0.510	<0.204
	09/21/04	<5.49 J3Y	<2.20 J3Y	<2.20 J3Y	<5.49Y	<1.10Y	<1.10Y	<5.49Y	<0.220Y	<2.20Y	<0.220Y	<0.549Y	<0.220Y
	12/01/04	<0.235	<0.165	<0.347	<0.110	0.204 I	<0.106	<0.102	<0.150	<0.084	<0.102	<0.259	<0.167
	03/13/05	<0.0840	<0.012	<0.0900	<0.0990	<0.0780	<0.108	<0.135	<0.106	<0.0630	<0.0600	<0.0900	<0.154
	06/09/05	< 0.0840	< 0.112	< 0.0900	< 0.0990	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154
	09/06/05	<0.0840	<0.112	0.500 I	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	12/06/05	<0.933	<1.24	<1.00	<1.11	<0.889	<1.20	<1.50	<1.18	<0.744	<0.667	<1.00	<1.67
	03/29/06	<0.0840	<0.112	0.240 I	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	06/08/06	<0.0840	0.280 I	0.200 I	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	09/24/06	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	12/09/06	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	03/01/07	<0.0840	3.56 I	3.52 I	<0.100	3.47 I	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	06/15/07	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	09/21/07	<0.0840	0.210 I	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	12/05/07	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	03/06/08	<0.0840	<0.112	0.200	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
CEF-46-2S	12/21/00	<1.1	5.5	3.1	0.26	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
	01/25/01	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	03/14/03	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	06/05/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	09/03/03	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	12/11/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	03/18/04	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	06/08/04	<5.10	0.398 I	<2.04	<5.10	<1.02	<1.02	<5.10	<0.204	<0.204	<0.204	<0.510	<0.204
	09/21/04	<2.17 J3Y	<2.17 J3Y	<2.17 J3Y	<5.43Y	<1.09Y	<1.09Y	<5.43Y	<0.217Y	<2.17Y	<0.217Y	<0.543Y	<0.217Y
	12/01/04	<0.235	2.32 I	2.00 I	<0.110	<0.118	<0.106	<0.102	<0.150	<0.084	<0.102	<0.259	<0.167
	03/13/05	<0.0840	0.602 I	0.684 I	0.306 I	<0.0780	<0.108	<0.135	<0.106	<0.0630	<0.0600	<0.0900	<0.154
	06/09/05	< 0.0840	< 0.112	< 0.0900	< 0.0990	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154
	09/06/05	< 0.0840	< 0.112	0.240 I	<0.100	<0.0800	<0.108	<0.135	< 0.106	<0.0670	<0.0600	<0.0900	<0.150
	09/21/05	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12/06/05	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	03/30/06	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<,0106	<0.0670	<0.0600	<0.0900	<0.150
	06/09/06	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	09/25/06	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	12/08/06	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	03/01/07	<0.0840	<0.112	<0.0900	<0.100	3.45 I	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	06/15/07	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	09/12/07	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	12/05/07	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	03/06/08	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
CEF-46-3S	12/06/05	<0.0866	<0.115	<0.0928	<0.103	<0.0825	<0.111	<0.139	<0.0891	<0.0619	<0.0619	<0.0928	<0.155
CEF-46-4S	12/06/05	<0.0866	<0.115	<0.0928	<0.103	<0.0825	<0.111	<0.109	<0.109	<0.0691	<0.0619	<0.0928	<0.155
CEF-46-6I	12/21/00	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
	01/25/01	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	03/14/03	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	06/05/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	09/03/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	12/11/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	03/18/04	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	06/08/04	<5.10	<2.04	<2.04	<5.10	<1.02	<1.02	<5.10	<0.204	<2.04	<0.204	<0.510	<0.204
	09/21/04	<5.49 J3Y	<2.20 J3Y	<2.20 J3Y	<5.49Y	<1.10Y	<1.10Y	<5.49Y	<0.220Y	<2.20Y	<0.220Y	<0.549Y	<0.220Y
	12/01/04	<0.237	<0.167	<0.127	<0.111	<0.120	<0.107	<0.103	<0.152	<0.085	<0.103	<0.262	<0.168
	03/13/05	<0.0933	<0.124	<0.100	<0.110	<0.0667	<0.120	<0.150	<0.118	<0.0700	<0.0667	<0.100	<0.171
	06/09/05	< 0.0840	< 0.112	< 0.0900	< 0.0990	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154
	09/06/05	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	12/06/05	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	03/29/06	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	06/09/06	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	09/24/06	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	12/08/06	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	03/01/07	<0.0840	<0.112	<0.0900	<0.100	3.41 I	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	06/15/07	<0.0840	<0.112 J3	<0.0900 J3	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	09/12/07	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	12/05/07	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150
	03/06/08	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150

Well	Date	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Nitrate (mg/L)	Nitrite (mg/L)	Orthophosphate (mg/L)	Sulfate (mg/L)	TRPH
Groundwater Criteria (GCTL)		0.05	0.005	210	10 *	1 *	n/a	250	5000
Natural Attenuation Default Source (NADS)		5	0.5	2100	100 *	10 *	n/a	n/a	50000
CEF-46-1S	12/21/00	<0.22	<0.22	<0.22	0.085 J	0.15	<1	NM	23000
	01/25/01	<0.20	<0.20	<0.20	<0.60	0.2	0.25	NM	290
	03/14/03	<4.0	<4.0	<4.0	<0.100	0.15	<0.100	NM	[illegible]
	06/09/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	NM	33200
	09/03/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	NM	38300
	12/11/03	<0.10	<0.10	<0.10	<0.10	<0.30	<0.100	NM	39600
	03/18/04	<0.10	<0.10	<0.10	<0.100	<0.30	<0.100	NM	16200
	06/08/04	<0.204	<0.204	<0.204	<0.100	<0.005	0.083 ?	NM	15400
	09/21/04	<0.220Y	<0.220Y	<2020 J3Y	<0.02Y	<0.005Y	0.389Y	NM	33300Y
	12/01/04	<0.133	<0.094	<0.160	<0.018	<0.005	0.099	NM	25200
	03/13/05	<0.121	<0.146	<0.102	<0.0550	0.008	0.0317 V	NM	23000
	06/09/05	< 0.121	< 0.146	< 0.102	< 0.055	< 0.005 J4	0.0740	109	41100
	09/06/05	<0.121	<0.146	<0.100	<0.055	<0.005	0.116	87.9	[illegible]
	12/06/05	<1.34	<1.62	<1.11	NM	NM	NM	42.8	35500
	03/29/06	<0.121	<0.146	<0.100	NM	NM	NM	4.37	35300
	06/08/06	<0.121	<,0146	<0.100	NM	NM	NM	24.5	17100
	09/24/06	<0.121	<0.146	<0.100	NM	NM	NM	63.0	12300
	12/09/06	<0.121	<0.146	<0.100	NM	NM	MN	11000	4130
	03/01/07	<0.121	<0.146	<0.100	NM	NM	NM	2090	8770
	06/15/07	<0.121	<0.146	<0.100	NM	NM	NM	1250	7430
	09/21/07	<0.121	<0.146	<0.100	NM	NM	NM	1080 MHA	11200V
	12/05/07	<0.121	<0.146	<0.100	NM	NM	NM	3270	[illegible]
	03/06/08	<0.121	<0.146	<0.100	NM	NM	NM	948	36530
CEF-46-2S	12/21/00	<0.22	<0.22	<0.22	<0.60	<0.4	0.22	NM	3100
	01/25/01	<0.20	<0.20	<0.20	0.083	<0.40	<1.0	NM	540
	03/14/03	<2.0	<2.0	<2.0	<0.100	0.100	<0.100	NM	1370
	06/05/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	NM	339
	09/03/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	NM	338
	12/11/03	<0.10	<0.10	<0.10	<0.10	<0.30	<0.100	NM	796
	03/18/04	<0.10	<0.10	<0.10	<0.100	<0.30	<0.100	NM	436
	06/08/04	<0.204	<0.204	<2.04	<0.10	<0.005	0.150 ?	NM	530
	09/21/04	<0.217Y	<0.217Y	<2.17 J3Y	0.1Y	0.005Y	0.027 ?Y	NM	0.26Y
	12/01/04	<0.133	<0.094	<0.160	<0.018	0.007	0.08	NM	2450
	03/13/05	<0.121	<0.146	<0.102	<0.0550	0.008	0.0350 V	NM	1600
	06/09/05	< 0.121	< 0.146	< 0.102	< 0.055	0.014	0.0330	664	1650
	09/06/05	<0.121	<0.146	<0.100	< 0.055	<0.005	0.00800	643	NM
	09/21/05	NM	NM	NM	NM	NM	NM	NM	341
	12/06/05	<0.121	<0.146	<0.100	NM	NM	NM	1880	654
	03/30/06	<0.121	<0.146	<0.100	NM	NM	NM	722	1170
	06/09/06	<0.121	<0.146	<0.100	NM	NM	NM	442	623
	09/25/06	<0.121	<0.146	<0.100	NM	NM	NM	297	784
	12/08/06	<0.121	<0.146	<0.100	NM	NM	NM	415	431
	03/01/07	<0.121	<0.146	<0.100	NM	NM	NM	360	316
	06/15/07	<0.121	<0.146	<0.100	NM	NM	NM	41.0	231
	09/12/07	<0.121	<0.146	<0.100	NM	NM	NM	<40.0	157 I V
	12/05/07	<0.121	<0.146	<0.100	NM	NM	NM	245	32 I
	03/06/08	<0.121	<0.146	<0.100	NM	NM	NM	104	<18
CEF-46-3S	12/06/05	<0.125	<0.151	<0.103	NM	NM	NM	563	40 I
CEF-46-4S	12/06/05	<0.125	<0.151	<0.103	NM	NM	NM	[illegible]	<18
CEF-46-6I	12/21/00	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	NM	<550
	01/25/01	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	NM	<520
	03/14/03	<2.0	<2.0	<2.0	<0.100	0.35	3.92	NM	<200
	06/05/03	<0.10	<0.10	<0.10	<0.30	<0.30	<0.282	NM	<106
	09/03/03	<0.10	<0.10	<0.10	<0.100	<0.30	0.965	NM	333
	12/11/03	<0.10	<0.10	<0.10	<0.100	<0.30	1.31	NM	456
	03/18/04	<0.10	<0.10	<0.10	<0.600	<0.60	<0.100	NM	242
	06/08/04	<0.204	<0.204	<2.04	<0.100	0.46	2.09 ?	NM	<200
	09/21/04	<0.220Y	<0.220Y	<2.20 J3Y	<0.02Y	0.118Y	0.103Y	NM	<200Y
	12/01/04	<0.134	<0.095	<0.162	<0.018	<0.005	<0.003	NM	120 I V
	03/13/05	<0.134	<0.162	<0.113	<0.0550	0.021	1.81	NM	<18
	06/09/05	< 0.121	< 0.146	< 0.102	< 0.055	0.005	4.16	5440	19 I
	09/06/05	<0.121	<0.146	<0.100	<0.055	0.023	0.0410	462	<18
	12/06/05	<0.121	<0.146	<0.100	NM	NM	NM	2520	<18
	03/29/06	<0.121	<0.146	<0.100	NM	NM	NM	1660	<18
	06/09/06	<0.121	<0.146	<0.100	NM	NM	NM	2380	129 I
	09/24/06	<0.121	<0.146	<0.100	NM	NM	NM	1910	56 I
	12/08/06	<0.121	<0.146	<0.100	NM	NM	NM	14400	18 I
	03/01/07	<0.121	<0.146	<0.100	NM	NM	NM	99.2	<18
	06/15/07	<0.121	<0.146	<0.100	NM	NM	NM	545	140 I
	09/12/07	<0.121	<0.146	<0.100	NM	NM	NM	116	92 I V
	12/05/07	<0.121	<0.146	<0.100	NM	NM	NM	4820	59 I
	03/06/08	<0.121	<0.146	<0.100	NM	NM	NM	72.0	<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	Acenaphthylene	Acenaphthene	Fluorene
Groundwater Criteria (GCTL) [1]		1	30	40	20	n/a	20	14	28	28	210	20	280
Natural Attenuation Default Source (NADS) [1]		100	300	400	200	n/a	200	140	280	280	2100	200	2800
CEF-46-6D	12/21/00	2.8	9.0	6	18	38.7	NM	3.5	NM	NM	<1.1	<1.1	<1.1
	02/08/01	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.1	NM	NM	<1.1	<1.1	<1.1
	03/14/03	<1.0	<1.0	<1.0	6.0	6.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	06/09/03	<1.00	<1.0	<1.0	8.7	8.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/03/03	<1.00	<1.0	<1.0	3.3	3.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/10/03	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.04	<2.04	<2.04	<5.10	<2.04	<2.04
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<2.15 J3Y	<2.15 J3Y	<2.15 J3Y	<5.38 J3Y	<2.15 J3Y	<2.15 J3Y
	12/01/04	<0.143	1.180 I	<0.1417	1.35 I	2.53 I	<0.2359	<0.23	<0.208	<0.219	<0.240	<0.169	<0.128
	03/13/05	<0.143	<0.201	<0.142	1.78 I	1.78 I	<0.236	<0.112	<0.148	<0.233	<0.0933	<0.124	<0.100
	06/09/05	< 0.143	< 0.201	< 0.142	1.01 I	1.01 I	< 0.236	<0.101	< 0.133	< 0.210	< 0.0840	< 0.112	< 0.0900
	09/06/05	<0.143	<0.201	<0.142	0.340 I	0.340 I	<0.236	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	<0.236	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.0133	<0.203	<0.0840	<0.112	<0.0900
	12/09/06	<0.305	<0.338	<0.257	1.22	1.22	<0.336	0.370 I	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	0.230 I	0.220 I	<0.0840 J3	<0.112 J3	<0.0900 J3
	09/12/07	<0.305	<0.338	0.290 I	1.51	1.80	<0.336	<0.100	0.230 I	0.220 I	<0.0840	<0.112	<0.0900
	12/05/07	<0.305	<0.338	<0.257	1.56	1.56	<0.336	<0.452	0.210 I	0.280 I	0.270 I	0.270 I	0.270 I
	03/06/08	<0.305	<0.338	<0.257	1.63	1.63	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
CEF-46-7I	12/21/00	9100	2800	17000	15000	43900	NM	380	NM	NM	0.46	<1.1	0.7
	02/22/01	8500	1400	10000	7900	25800	6100	120	NM	NM	<1.0	<1.0	<1.0
	03/14/03	945	150	86.5	904	2086	4380	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	06/09/03	678	123	51.6	752	1604.6	4190	32.4	0.42	0.24	<0.10	<0.10	<0.10
	09/03/03	832	158	<10.0	697	1687.0	5140	123	6.12	7.92	<0.10	<0.10	0.14
	12/11/03	734	111	5	290	1140.0	5820	96.2	4.76	6.28	<0.10	<0.10	<0.10
	03/18/04	386	66	8.5 ?	414	874.5	3460	2.15	<0.10	<0.10	<0.10	<0.10	<0.10
	06/08/04	208	42.7	11.3	330	592.0	3080	3.34	<2.04	<2.04	<5.10	<2.04	<2.04
	09/21/04	484Y	38.1Y	9.99Y	387Y	828.09Y	2180Y	0.242 J3, IY	<2.20 J3Y	<2.20 J3Y	<5.49 J3Y	<2.20 J3Y	<2.20 J3Y
	12/01/04	833	144.9	10.30	631	1619.2	1943	131.2	5.18	8.13	<0.230	<0.162	<0.123
	03/13/05	775	176	3.26	269	1223.3	1480	128	5.39	7.40	<0.0840	<0.112	<0.0900
	06/09/05	384	127	2.79	199	722.79	628	<0.101	< 0.133	< 0.210	< 0.0840	< 0.112	< 0.0900
	09/06/05	92.9	41.3	2.52	95.6	232.32	1730	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	12/06/05	691	144	11.3 I	257	1163.3	2140	28.6	<0.148	<0.226	<0.0933	<0.124	<0.100
	03/30/06	146	26.0	0.650 I	29	201.65	1290	33.7	0.900 I	1.10 I	<0.0840	<0.112	<0.0900
	06/09/06	207	33.2	0.310 I	11.4	251.91	652	60.7	2.67 I	1.24 I	<0.0840	<0.112	<0.0900
	09/25/06	162	25.4	0.310 I	5.07	192.78	296L	75.1	2.86 I	0.510 I	<0.0840	<0.112	<0.0900
	12/08/06	<0.305	0.490 I	<0.257	<0.433	0.490 I	372	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/01/07	74.0	11.8 I	<5.14	<8.65	62.2	450	29.1	3.72 I	<0.203	<0.0840	<0.112	<0.0900
	06/15/07	115	15.0	0.360 I	2.81	133.2	338	20.0	1.04 I	<0.203	<0.0840 J3	<0.112 J3	<0.0900
	09/12/07	81.9	9.91	0.290 I	0.840 I	92.94	186	16.8	1.01 I	<0.203	<0.0840 J3	<0.112 J3	<0.0900
	12/05/07	84.1	12.4	0.380 I	0.970 I	97.85	[illegible]	30.8	1.45 I	<0.203	<0.0840	<0.112	<0.0900
	03/06/08	64.2	11.0	<0.257	0.830	76.00	147 J4	13.6	1.20	<0.203	<0.0840	<0.112	<0.0900
CEF-46-6I	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	13.8	<0.103	<0.137	<0.209	<0.0868	<0.115	<0.0928
CEF-46-8I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NM	<1.1	NM	NM	<1.1	<1.1	<1.1
	01/25/01	<1.0	<1.0	<1.0	<1.0	<4.0	1.3	<1.0	NM	NM	<1.0	<1.0	<1.0
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	06/04/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	0.22	<1.0	<1.0	<1.0	<1.0	<1.0
	12/10/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	0.22	<1.0	<1.0	<1.0	<1.0	<1.0
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.20	<2.20	<2.20	<5.49	<2.20	<2.20
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	3.92Y	<2.20 J3Y	<2.20 J3Y	<2.20 J3Y	<5.49 J3Y	<2.20 J3Y	<2.20 J3Y
	12/01/04	<0.143	0.5500 I	<0.1417	0.440 I	0.990 I	28.85	0.321 I	<0.202	<0.212	<0.232	<0.164	<0.124
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	16.0	<0.101	<0.133	<0.210	<0.0840	<0.112	<0.0900
	06/09/05	< 0.143	0.420 I	< 0.142	0.550 I	0.970 I	13.5	<0.101	< 0.133	< 0.210	< 0.0840	< 0.112	< 0.0900
	09/06/05	< 0.143	<0.201	<0.142	0.220 I	0.220 I	79.7	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	48.1	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/30/06	0.260 I	<0.126	<0.176	<0.298	<0.298	24.2	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	12.7	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	14.6	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	12/08/06	<0.305	<0.338	<0.257	<0.433	<0.433	9.52	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	7.19	<0.100	2.71 I	2.35 I	<0.0840	<0.112	<0.0900
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	8.60	<0.100	<0.133	<0.203	<0.0840 J3	<0.112 J3	<0.0900 J3
	09/12/07	<0.305	<0.338	0.270 I	<0.433	0.270 I	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	0.600 I	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
CEF-46-10I	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.102	<0.136	<0.207	<0.0857	<0.114	<0.0918
CEF-46-11I	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.105	<0.140	<0.214	<0.0864	<0.118	<0.0947

Well	Date	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Nitrate (mg/L)	Nitrite (mg/L)	Orthophosphate (mg/L)	Sulfate (mg/L)	TRPH
Groundwater Criteria (GCTL) [1]		210	2100	280	210	0.05	4.8	0.05	0.5	0.2	0.05	0.005	210	10 *	1 *	n/a	250 *	5000
Natural Attenuation Default Source (NADS) [1]		2100	21000	2800	2100	5	480	5	50	20	5	0.5	2100	100 *	10 *	n/a	n/a	50000
CEF-46-6D	12/21/00	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.6	<0.4	0.22	NM	<560
	02/08/01	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.60	<0.40	<1.0	NM	<500
	03/14/03	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	0.270	4.61	NM	274
	06/09/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.674	NM	<200
	09/03/03	0.31	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.300	<0.30	5.81	NM	<225
	12/10/03	<0.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.100	0.33	1.34	NM	<200
	03/16/04	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.500	<1.00	<0.100	NM	<100
	06/08/04	<5.10	<1.02	<1.02	<5.10	<0.204	<2.04	<0.204	<0.510	<0.204	<0.204	<0.204	<2.04	<0.100	0.102	0.127 ?	NM	<200
	09/21/04	<5.38Y	<1.08Y	<1.08Y	<5.38Y	<0.215Y	<2.15Y	<0.215Y	<0.538Y	<0.215Y	<0.215Y	<0.215Y	<2.15 J3Y	<0.02Y	0.008Y	0.013 ?Y	NM	<220Y
	12/01/04	<0.112	<0.121	<0.108	<0.104	<0.153	<0.085	<0.104	<0.265	<0.170	<0.135	<0.096	<0.164	<0.018	<0.084	22.5	NM	140 I V
	03/13/05	<0.110	<0.0867	<0.120	<0.150	<0.118	<0.0700	<0.0667	<0.100	<0.171	<0.134	<0.162	<0.113	<0.0550	0.059	17.8	NM	<18
	06/09/05	< 0.0990	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154	< 0.121	< 0.146	< 0.102	< 0.055	0.054	18.8 Q	9580	24 I
	09/06/05	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	<0.150	1.20	0.0680	7050	<18
	12/06/05	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	8480	<18
	03/29/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	8270	<18
	06/09/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	7510	135 I
	09/24/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	5290	36 I
	12/09/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	12400	74 I
	03/01/07	<0.100	3.42 I	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	12200	<18
	06/15/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	11500	168 I
	09/12/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	1130	103 I V
	12/05/07	0.300 I	0.220 I	0.210 I	<0.135	0.260 I	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	34600	91 I
	03/06/08	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	14900	<18
CEF-46-7I	12/21/00	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	NM	13000
	02/22/01	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.6	<0.4	<1.0	NM	17000
	03/14/03	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	<0.100	<0.100	NM	5480
	06/09/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.100	NM	4060
	09/03/03	0.47	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.10	<0.100	NM	2530
	12/11/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	<0.100	NM	5410
	03/18/04	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.60	<0.100	NM	1900
	06/08/04	<5.10	<1.02	<1.02	<5.10	<0.204	<2.04	<0.204	<0.510	<0.204	<0.204	<0.204	<2.04	<0.100	0.022	0.073 ?	NM	650
	09/21/04	<5.49Y	<1.10Y	<1.10Y	<5.49Y	<0.220Y	<2.20Y	<0.220Y	<0.549Y	<0.220Y	<0.220Y	<0.220Y	<2.20 J3Y	<0.02Y	0.016Y	0.028 ?Y	NM	980Y
	12/01/04	<0.107	<0.116	<0.104	<0.100	<0.147	<0.082	<0.100	<0.254	<0.163	<0.130	<0.092	<0.157	0.018	0.034	0.012	NM	1770
	03/13/05	<0.0990	<0.0780	<0.108	<0.135	<0.106	<0.0630	<0.0600	<0.0900	<0.154	<0.121	<0.146	<0.102	<0.0550	<0.005	0.00510 V I	NM	1570
	06/09/05	< 0.0990	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154	< 0.121	< 0.146	< 0.102	< 0.055	0.005	0.0250	279	1380
	09/06/05	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	<0.055	0.013	0.0190	167	1280
	12/06/05	<0.111	<0.0889	<0.120	<0.150	<0.118	<0.0744	<0.0667	<0.100	<0.167	<0.134	<0.162	<0.111	NM	NM	NM	54.6	970
	03/30/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	37.1	<18
	06/09/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	33.0	832
	09/25/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	28.6	544
	12/08/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	139.0	<18
	03/01/07	<0.100	3.41 I	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	35.0	224
	06/15/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	25.2	387
	09/12/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	18.3	314 V
	12/05/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	147	221
	03/06/08	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	14.7	132
CEF-46-6I	12/06/05	<0.103	<0.0825	<0.111	<0.139	<0.100	<0.0691	<0.0619	<0.0928	<0.155	<0.125	<0.151	<0.103	NM	NM	NM	13.3	<18
CEF-46-8I	12/20/00	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	NM	<570
	01/25/01	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	NM	<500
	03/14/03	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	0.170	<0.100	NM	<200
	06/04/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.30	0.411	NM	<211
	09/03/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.100	<0.30	<0.100	NM	<225
	12/10/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.100	0.180	0.308	NM	<200
	03/16/04	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.300	<0.30	<0.100	NM	<111
	06/08/04	<5.49	<2.20	<1.10	<5.49	<0.220	<2.20	<0.220	<0.549	<0.220	<0.220	<0.220	<2.20	<0.100	<0.005	0.055 ?	NM	<210
	09/21/04	<5.49Y	<1.10Y	<1.10Y	<5.49Y	<0.220Y	<2.20Y	<0.220Y	<0.549Y	<0.220Y	<0.220Y	<0.220Y	<0.220 J3Y	<0.02Y	<0.005Y	0.018 ?Y	NM	220Y
	12/01/04	<0.108	<0.117	<0.105	<0.101	<0.149	<0.083	<0.101	<0.257	<0.165	<0.131	<0.093	<0.159	<0.018	<0.005	0.013	NM	80 I V
	03/13/05	<0.0990	<0.0780	<0.108	<0.135	<0.106	<0.0630	<0.0600	<0.0900	<0.154	<0.121	<0.146	<0.102	<0.0550	<0.005	0.00830 V	NM	<18
	06/09/05	< 0.0990	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154	< 0.121	< 0.146	< 0.102	< 0.065	< 0.005	0.00800	253	< 18
	09/06/05	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	<0.055	<0.005	0.0340	288 ?	< 18
	12/06/05	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	486	<18
	03/30/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	556	191
	06/09/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	380	452
	09/24/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	114	54 I
	12/08/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	228	<18
	03/01/07	<0.100	3.42 I	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	137	<18
	06/15/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	187	119 I
	09/12/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	97.0	53 I V
	12/05/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	35.7	<18
	03/06/08	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	80.7	<18
CEF-46-10I	12/06/05	<0.102	<0.0816	<0.110	<0.138	<0.108	<0.0684	<0.0612	<0.0918	<0.153	<0.123	<0.149	<0.102	NM	NM	NM	9.04	<18
CEF-46-11I	12/06/05	<0.105	<0.0842	<0.114	<0.142	<0.112	<0.0705	<0.0632	<0.0947	<0.158	<0.127	<0.154	<0.105	NM	NM	NM	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	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Nitrate (mg/L)	Nitrite (mg/L)	Orthophosphate (mg/L)	Sulfate (mg/L)	TRPH
Groundwater Criteria (GCTL) [1]		1	30	40	20	n/a	20	14	28	28	210	20	280	210	2100	280	210	0.05	4.8	0.05	0.5	0.2	0.05	0.005	210	10 *	1 *	n/a	250 *	5000
Natural Attenuation Default Source (NADS) [1]		100	300	400	200	n/a	200	140	280	280	2100	200	2800	2100	21000	2800	2100	5	480	5	50	20	5	0.5	2100	100 *	10 *	n/a	n/a	50000
CEF-46-12S	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NM	<1.1	NM	NM	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<3.4	<1.0	NM	<530
	01/24/01	<1.0	<1.0	<1.0	<1.0	<4.0	14	<1.0	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	NM	<520
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	<0.100	<0.100	NM	<200
	06/05/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	NM	<100
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	<0.100	NM	<225
	12/11/03	<1.00	<1.0	<1.0	<3.0	<1.0	2.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	<0.100	NM	<200
	03/18/04	<1.00	<1.0	<1.0	<3.0	<3.0	79.8	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.600	<0.60	<0.100	NM	<222
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	[illegible]	<2.20	<2.20	<2.20	<5.49	<2.20	<2.20	<5.49	<1.10	<1.10	<5.49	<0.220	<2.20	<0.220	<0.549	<0.220	<0.220	<0.220	<2.20	0.028 ?	0.014	0.017 ?	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	<5.00 J3Y	<2.00 J3Y	<2.00 J3Y	<5.00Y	<1.00Y	<1.00Y	<5.00Y	<0.200Y	<2.00Y	<0.200Y	<0.500Y	<0.200Y	<0.200Y	<0.200Y	<0.200 J3Y	<0.02Y	<0.005Y	0.052 ?Y	NM	<200Y
	12/01/04	<0.143	<0.2010	<0.1417	<0.220	<0.220	8.460	<0.22	<0.200	<0.210	<0.230	<0.162	<0.123	<0.107	<0.116	<0.104	<0.100	<0.147	<0.082	<0.100	<0.254	<0.163	<0.130	<0.082	<0.157	0.046	0.006	0.017	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	<0.0840	<0.112	<0.0900	<0.0990	<0.0780	<0.108	<0.135	<0.106	<0.0630	<0.0600	<0.0900	<0.154	<0.121	<0.146	<0.102	<0.0550	0.009 I	0.00500 V I	NM	<18
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.101	< 0.133	< 0.210	< 0.0840	< 0.112	< 0.0900	< 0.0990	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154	< 0.121	< 0.146	< 0.102	< 0.055	0.006	0.00800	47.5	< 18
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.100	<0.133	<0.203	<0.0810	< 0.112	< 0.0900	<0.100	<0.0800	< 0.108	<0.135	< 0.106	<0.0670	< 0.0600	< 0.0900	<0.150	< 0.121	< 0.146	<0.100	< 0.055	<0.005	0.0230	57.1	< 18
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	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	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	47.8	<18
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	49.8	70 I
	09/25/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	63	<18
	12/06/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.335	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	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	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	49.2	<18
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840 J3	<0.112 J3	<0.0900 J3	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	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	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	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	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	44.8	<18
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0670	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	49.3	<18
CEF-46-13I	12/20/00	<1.0	<1.0	<1.0	0.45	0.45	NM	0.88	NM	NM	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	NM	<540
	01/24/01	<1.0	<1.0	1.5	0.62	2.12	[illegible]	0.6	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	NM	320
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	[illegible]	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	<0.100	<0.100	NM	276
	06/05/03	1.10	<1.0	<1.0	<1.0	1.1	254	0.18	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	NM	<100
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	[illegible]	0.12	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	<0.100	NM	<225
	12/11/03	<1.00	<1.0	<1.0	<0.30	<1.0	114	0.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.60	<0.100	NM	208
	03/18/04	<1.00	<1.0	<1.0	<3.0	<3.0	60.7	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.600	<0.30	<0.100	NM	<250
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	83.8	<2.02	<2.02	<2.02	<5.05	<2.02	<2.02	<5.05	<1.01	<1.01	<5.05	<0.202	<2.02	<0.202	<0.505	<0.202	<0.202	<0.202	<2.02	<0.02	<0.005	0.078 ?	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	<5.56 J3Y	<2.22 J3Y	<2.22 J3Y	<5.56Y	<1.11Y	<1.11Y	<5.56Y	<0.222Y	<2.22Y	<0.222Y	<0.556Y	<0.222Y	<0.222Y	<0.222Y	<2.22 J3Y	<0.02Y	<0.005Y	0.013?Y	NM	<200Y
	12/01/04	<0.143	0.8000 I	<0.1417	1.29 I	2.19 I	[illegible]	<0.22	<0.202	<0.212	<0.232	<0.164	<0.124	<0.108	<0.117	<0.105	<0.101	<0.149	<0.083	<0.101	<0.257	<0.165	<0.131	<0.083	<0.159	<0.018	<0.005	0.017	NM	150 I V
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	133	<0.101	<0.133	<0.210	<0.0840	<0.112	<0.0900	<0.0990	<0.0780	<0.108	<0.135	<0.106	<0.0630	<0.0600	<0.0900	<0.154	<0.121	<0.146	<0.102	<0.0550	0.013	0.00500 I V	NM	<18
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	62.7	<0.101	< 0.133	< 0.210	< 0.0840	< 0.112	< 0.0900	< 0.0990	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154	< 0.121	< 0.146	< 0.102	< 0.055	< 0.005	0.0180	481	< 18
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	1.75 I	<0.100	< 0.133	<0.203	<0.0840	<0.112	< 0.0900	<0.100	<0.0800	<0.108	<0.135	< 0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	< 0.146	<0.100	< 0.055	< 0.005	0.0370	519	< 18
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	0.880 I	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	189	<18
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	0.400 I	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	104	<18
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	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	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	33.5	<18
	12/06/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	42.6	<18
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	3.42 I	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	29.2	<18
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840 J3	<0.112 J3	<0.0900 J3	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	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	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	<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	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	25.1	<18
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.100	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	11.7	<18
CEF-46-14D	12/20/00	<1.0	<1.0	0.42	0.37	0.79	NM	<1.1	NM	NM	<1.1	<1.1	<1.1	<1.1	<1.1	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	0.088	<0.4	0.26	NM	<850
	01/24/01	<1.0	<1.0	<1.0	0.23	0.23	<1.0	<1.0	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	0.17	NM	<530
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	<0.100	0.102	NM	248
	06/04/03	<1.00	<1.0	<1.0	<1.0	<1.0	1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.102	NM	<211
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	0.188	NM	<225
	12/10/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.100	0.176	NM	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	4.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.10	<0.100	NM	<100
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	2.4	<2.20	<2.20	<2.20	<5.49	<2.20	<2.20	<5.49	<1.10	<1.10	<5.49	<0.220	<2.20	<0.220	<0.549	<0.220	<0.220	<0.220	<2.20	0.018 ?	<0.005	0.134 ?	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	<5.49 J3Y	<2.20 J3Y	<2.20 J3Y	<5.49Y	<1.10Y	<1.10Y	<5.49Y	<0.220Y	<2.20Y	<0.220Y	<0.549Y	<0.220Y	<0.220Y	<0.220Y	<2.20 J3Y	<0.02 QY	<0.005Y	0.144Y	NM	<200Y
	12/01/04	<0.143	<0.2010	<0.1417	<0.220	<0.220	2.500	<0.22	<0.204	<0.214	<0.235	<0.165	<0.126	<0.110	<0.118	<0.106	<0.102	<0.150	<0.084	<0.102	<0.259	<0.167	<0.133	<0.094	<0.160	<0.018	<0.005	0.161	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	<0.084	<0.112	<0.0900	<0.0990	<0.0780	<0.108	<0.135 J3	<0.106	<0.0630	<0.0600	<0.0900	<0.154	<0.121	<0.146	<0.102	<0.0550	<0.005	0.169	NM	<20
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	1.36 I	<0.101	< 0.133	< 0.210	< 0.0840	< 0.112	< 0.0900	< 0.0990	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154	< 0.121	< 0.146	< 0.102	< 0.055	0.005	0.271	5.18	< 20
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	5.30	<0.100	< 0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	< 0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	< 0.146	<0.100	< 0.055	0.005	0.318	29.3 ?	<18
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	8.21	<0.111	<0.146	<0.226	<0.0933	<0.124	<0.100	<0.111	<0.0889	<0.120	<0.150	<0.118	<0.0744	<0.0667	<0.100	<0.167	<0.134	<0.162	<0.111	NM	NM	NM	15.3	<18
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	1.07	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	2.12	<18
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	<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	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	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	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	<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	<0.0840	<0.112	3.45 I	<0.100	3.41 I	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	<2.00	<18
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840 J3	<0.112 J3	<0.0900 J3	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	<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	<0.0840 J3	<0.112 J3	<0.0900 J3	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	<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	<0.0840 J3	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	<2.00	<18
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	<2.00	<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	Acenaphthylene	Acenaphthene	Fluorene
Groundwater Criteria (GCTL) [1]		1	30	40	20	n/a	20	14	28	28	210	20	280
Natural Attenuation Default Source (NADS) [1]		100	300	400	200	n/a	200	140	280	280	2100	200	2800
CEF-46-15I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NM	<1.1	NM	NM	<1.1	<1.1	<1.1
	01/24/01	0.17	<1.0	<1.0	<1.0	0.17	<1.0	<1.0	NM	NM	<1.0	<1.0	<1.0
	03/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
	06/04/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	12/10/03	<1.00	<1.0	<1.0	<3.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.20	<2.20	<2.20	<5.49	<2.20	<2.20
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<2.11Y	<2.11 J3Y	<2.11 J3Y	<5.26Y	<2.11Y	<2.11Y
	12/01/04	<0.143	<0.2010	<0.1417	<0.220	<0.220	<0.2359	<0.23	<0.206	<0.216	<0.237	<0.167	<0.127
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.101	<0.133	<0.210	<0.0840	<0.112	<0.0900
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.101	< 0.133	< 0.210	< 0.0840	< 0.112	< 0.0900
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.100	< 0.133	<0.203	< 0.0840	< 0.112	< 0.0900
	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.111	<0.148	<0.226	<0.0933	<0.124	<0.100
	03/30/06	<0.140	<0.126	<0.176	<0.298	<0.298	<0.236	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	12/08/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	3.42 I	<0.133	<0.203	<0.0840	<0.112	<0.0800
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840 J3	<0.112 J3	<0.0900 J3
	09/12/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
CEF-46-16I	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.102	<0.136	<0.207	<0.0857	<0.114	<0.0918
CEF-46-17D	12/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	27.4	<0.105	<0.140	<0.214	<0.0884	<0.118	<0.0947
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	<0.0933	<0.124	<0.100
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	<0.0866	<0.115	<0.0928
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	<0.0913	<0.122	<0.0978
CEF-46-21I	12/20/00	<1.0	<1.0	<1.0	<1.0	<4.0	NM	<1.1	NM	NM	<1.1	<1.1	<1.1
	01/25/01	0.25	<1.0	0.7	<1.0	0.95	<1.0	<1.0	NM	NM	<1.0	<1.0	<1.0
	03/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
	06/05/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	0.18	0.27	0.2	<0.10	0.5	0.67
	12/11/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	03/18/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.04	<2.04	<2.04	<5.10	<2.04	<2.04
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<2.20Y	<2.20 J3Y	<2.20 J3Y	<5.49Y	<2.20Y	<2.20Y
	12/01/04	<0.143	<0.2010	<0.1417	<0.220	<0.220	<0.2359	<0.23	<0.206	<0.216	<0.237	<0.167	<0.127
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.101	<0.133	<0.210	<0.0840	<0.112	<0.0900
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.101	< 0.133	< 0.210	< 0.0840	< 0.112	< 0.0900
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.100	<0.133	<0.203	<0.0840	< 0.112	< 0.0900
	12/07/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.111	<0.148	<0.226	<0.0933	<0.124	<0.100
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	<0.236	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	06/09/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	12/08/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	3.45 I
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840 J3	<0.112 J3	<0.0900 J3
	09/12/07	<0.305	<0.338	0.410 I	<0.433	0.410 I	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	12/05/07	<0.305	<0.0338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/06/08	<0.305	<0.0338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
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	<0.0884	<0.118	<0.0947
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	<0.0933	<0.124	<0.100
CEF-46-24D	12/20/00	<1.0	<1.0	0.47	0.41	0.88	NM	<1.1	NM	NM	<1.1	<1.1	<1.1
	01/25/01	8.3	0.81	1	2	12.11	<1.0	<1.0	NM	NM	<1.0	<1.0	<1.0
	03/14/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	06/05/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	12/10/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.20	<2.20	<2.20	<5.49	<2.20	<2.20
	09/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<2.04Y	<2.04 J3Y	<2.04 J3Y	<5.10Y	<2.04Y	<2.04Y
	12/01/04	<0.143	<0.2010	<0.1417	<0.220	<0.220	<0.2359	0.40 I	<0.200	<0.210	<0.230	<0.162	<0.123
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.101	<0.133	<0.210	<0.0840	<0.112	<0.0900
	06/09/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.101	< 0.133	< 0.210	< 0.0840	< 0.112	< 0.0900
	09/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	12/07/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/29/06	<0.140	<0.126	<0.176	<0.298	<0.298	<0.236	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	06/09/06	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	09/24/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	12/08/06	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/01/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	3.42 I	<0.133	<0.203	<0.0840	<0.112	<0.0900
	06/15/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840 J3	<0.112 J3	<0.0900 J3
	09/12/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900

Well	Date	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Nitrate (mg/L)	Nitrite (mg/L)	Orthophosphate (mg/L)	Sulfate (mg/L)	TRPH
Groundwater Criteria (GCTL) [1]		210	2100	280	210	0.05	4.8	0.05	0.5	0.2	0.05	0.005	210	10 *	1 *	n/a	250 *	5000
Natural Attenuation Default Source (NADS) [1]		2100	21000	2800	2100	5	480	5	50	20	5	0.5	2100	100 *	10 *	n/a	n/a	50000
CEF-46-15I	12/20/00	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.5	<0.4	<1.0	NM	<450
	01/24/01	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	NM	<530
	03/13/03	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<0.100	<0.100	<0.100	NM	<200
	06/04/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	NM	<222
	09/03/03	0.42	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.10	<0.100	NM	<225
	12/10/03	0.42	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.100	<0.100	NM	<200
	03/16/04	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.100	<0.10	<0.100	NM	<100
	06/08/04	<5.49	<1.10	<1.10	<5.49	<0.220	<2.20	<0.220	<0.549	<0.220	<0.220	<0.220	<2.20	0.021 ?	<0.005	0.005 ?	NM	<220
	09/21/04	<5.26Y	<1.05Y	<1.05Y	<5.26Y	<0.211Y	<2.11Y	<0.211Y	<0.526Y	<0.211Y	<0.211Y	<0.211Y	<2.11Y	<0.02 QY	<0.005Y	0.006 ?Y	NM	<220Y
	12/01/04	<0.111	<0.120	<0.107	<0.103	<0.152	<0.085	<0.103	<0.262	<0.168	<0.134	<0.095	<0.162	<0.018	<0.005	0.005 I	NM	110 I V
	03/13/05	<0.0990	<0.0780	<0.108	<0.135	<0.106	<0.0630	<0.0600	<0.0900	<0.154	<0.121	<0.146	<0.102	<0.0550	<0.005	0.00500 I V	NM	<18.0
	06/09/05	< 0.0990	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154	< 0.121	< 0.146	< 0.102	< 0.055	< 0.05	0.0100	25.6	< 20
	09/06/05	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	< 0.146	<0.100	< 0.055	<0.005	<0.00360	34.8 ?	<18
	12/06/05	<0.111	<0.0889	<0.120	<0.150	<0.118	<0.0744	<0.0667	<0.100	<0.167	<0.134	<0.162	<0.111	NM	NM	NM	20.3	<18
	03/30/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	29.8	<18
	06/09/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	26.7	28 I
	09/24/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	23.9	<18
	12/08/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	33.8	<18
	03/01/07	<0.100	3.43 I	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	29.8	<18
	06/15/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	26.7	133 I
	09/12/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	23.5	70 I V
	12/05/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	25.6	<18
	03/06/08	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	34.3	<18
CEF-46-16I	12/06/05	<0.102	<0.0815	<0.110	<0.138	<0.0884	<0.0684	<0.0612	<0.0918	<0.153	<0.123	<0.149	<0.102	NM	NM	NM	20.5	<18
CEF-46-17D	12/06/05	<0.105	<0.0842	<0.114	<0.142	<0.112	<0.0705	<0.0632	<0.0947	<0.158	<0.127	<0.154	<0.105	NM	NM	NM	982	158 I
CEF-46-18I	12/07/05	<0.114	<0.0889	<0.120	<0.150	<0.118	<0.0744	<0.0661	<0.100	<0.167	<0.134	<0.162	<0.111	NM	NM	NM	84.2	<20
CEF-46-19I	12/07/05	<0.103	<0.0825	<0.111	<0.139	<0.109	<0.0691	<0.0619	<0.0926	<0.155	<0.125	<0.151	<0.103	NM	NM	NM	1230	<20
CEF-46-20I	12/07/05	<0.109	<0.0870	<0.117	<0.147	<0.115	<0.0728	<0.0652	<0.0978	<0.163	<0.132	<0.159	<0.109	NM	NM	NM	112	<18
CEF-46-21I	12/20/00	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	NM	<550
	01/25/01	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	NM	300
	03/13/03	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<0.100	<0.100	<0.100	NM	<200
	06/05/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	NM	<100
	09/03/03	2.82	0.16	0.35	0.16	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.16	<0.10	<0.100	NM	308
	12/11/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.10	<0.100	NM	<200
	03/18/04	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.300	<0.30	<0.100	NM	<222
	06/08/04	<5.10	<1.02	<1.02	<5.10	<0.204	<2.04	<0.204	<0.510	<0.204	<0.204	<0.204	<2.04	<0.020	<0.005	0.010 ?	NM	<200
	09/21/04	<5.49Y	<1.10Y	<1.10Y	<5.49Y	<0.220Y	<2.20Y	<0.220Y	<0.549Y	<0.220Y	<0.220Y	<0.220Y	<2.20Y	<0.04 QY	<0.005Y	0.006Y	NM	<220Y
	12/01/04	<0.111	<0.120	<0.107	<0.103	<0.152	<0.085	<0.103	<0.262	<0.168	<0.134	<0.095	<0.162	<0.018	<0.005	0.007	NM	100 I V
	03/13/05	<0.0990	<0.0780	<0.108	<0.135 J3	<0.106	<0.0630	<0.0600	<0.0900	<0.154	<0.121	<0.146	<0.102	<0.0550	<0.005	0.00500 I V	NM	<18
	06/09/05	< 0.0990	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154	< 0.121	< 0.146	< 0.102	< 0.055	< 0.05	< 0.00360	14.1	< 18
	09/06/05	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	< 0.0600	< 0.0900	<0.150	< 0.121	< 0.146	<0.100	< 0.055	<0.005	<0.00360	29.5	< 18
	12/07/05	<0.111	<0.0889	<0.120	<0.150	<0.118	<0.0744	<0.0667	<0.100	<0.167	<0.134	<0.162	<0.111	NM	NM	NM	10.6	<20
	03/29/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	14.9	<18
	06/09/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	12.6	76 I
	09/24/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	26.2	35 I
	12/08/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	34.2	<18
	03/01/07	<0.100	3.41 I	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	31.9	<18
	06/15/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	61.4	156 I
	09/12/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	27.7	238 V
	12/05/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	28.0	<18
	03/06/08	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	34.9	<18
CEF-46-22I	12/07/05	<0.105	<0.0842	<0.114	<0.142	<0.112	<0.0705	<0.0632	<0.0947	<0.158	<0.127	<0.154	<0.105	NM	NM	NM	4080	<20
CEF-46-23D	12/07/05	<0.111	<0.0889	<0.120	<0.150	<0.118	<0.0744	<0.0667	<0.100	<0.167	<0.134	<0.162	<0.111	NM	NM	NM	6310	102 I
CEF-46-24D	12/20/00	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	0.18	NM	<500
	01/25/01	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	0.19	NM	<510
	03/14/03	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	0.21	0.841	NM	<200
	06/05/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.438	NM	<100
	09/03/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.30	0.212	NM	<225
	12/10/03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	0.16	0.119	NM	<200
	03/16/04	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.300	<0.10	<0.100	NM	<100
	06/08/04	<5.49	<1.10	<1.10	<5.49	<0.220	<2.20	<0.220	<0.549	<0.220	<0.220	<0.220	<2.20	0.018 ?	<0.005	0.679 ?	NM	<200
	09/21/04	<5.10Y	<1.02Y	<1.02Y	<5.10Y	<0.204Y	<2.04Y	<0.204Y	<0.510Y	<0.204Y	<0.204Y	<0.204Y	<0.204Y	<0.02 QY	<0.005Y	0.027Y	NM	<200Y
	12/01/04	<0.107	<0.116	<0.104	<0.100	<0.147	<0.082	<0.100	<0.254	<0.163	<0.130	<0.092	<0.157	<0.018	<0.005	<0.003	NM	130 I V
	03/13/05	<0.0990	<0.0780	<0.108	<0.135 J3	<0.106	<0.0630	<0.0600	<0.0900	<0.154	<0.121	<0.148	<0.102	<0.0550	<0.005	0.138	NM	<18
	06/09/05	< 0.0990	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154	< 0.121	< 0.146	< 0.102	< 0.055	< 0.005	0.154	2030	< 20
	09/06/05	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	<0.055	<0.005	0.0980	1840	<18
	12/07/05	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	2120	<22
	03/29/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	1800	<18
	06/09/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	1430	125 I
	09/24/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	732	31 I
	12/08/06	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	737	34 I
	03/01/07	<0.100	3.41 I	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	596	<18
	06/15/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.148	<0.100	NM	NM	NM	420	109 I
	09/12/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	217	40 I V
	12/05/07	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	414	245
	03/06/08	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	151	<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	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo (a) anthracene	Chrysene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Indeno (1, 2, 3-cd) pyrene	Dibenzo (a,h) anthracene	Benzo (g,h,i) perylene	Nitrate (mg/L)	Nitrite (mg/L)	Orthophosphate (mg/L)	Sulfate (mg/L)	TRPH
Groundwater Criteria (GCTL)[1]		1	30	40	20	n/a	20	14	28	28	210	39	280	210	2100	280	210	0.05	4.8	0.05	0.5	0.2	0.05	0.005	210	10 *	1 *	n/a	250 *	5000
Natural Attenuation Default Source (NADS)[1]		100	300	400	200	n/a	200	140	280	280	2100	200	2800	2100	21000	2800	2100	5	480	5	50	20	5	0.5	2100	100 *	10 *	n/a	n/a	50000
CEF-46-25I	12/20/00	<5.0	<1.0	<1.0	<1.0	<4.0	NM	<1.1	NM	NM	<1.1	<1.1	<1.1	<1.1	<1.1	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.6	<0.4	<1.0	NM	<500
	01/25/01	0.25	<1.0	<1.0	0.42	0.67	<1.0	<1.0	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	NM	320
	03/13/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<0.100	0.15	<0.100	NM	<200
	06/04/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	NM	<200
	09/03/03	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.300	<0.30	<0.100	NM	<225
	12/10/03	<1.00	<1.0	<1.0	<3.0	<1.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.100	<0.100	NM	<200
	03/16/04	<1.00	<1.0	<1.0	<3.0	<3.0	<1.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.390	<0.10	<0.100	NM	<111
	06/08/04	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.02	<2.02	<2.02	<5.05	<2.02	<2.02	<5.05	<1.01	<1.01	<5.05	<0.202	<2.02	<0.202	<0.505	<0.202	<0.202	<0.202	<2.02	<0.020	<0.005	0.040 ?	NM	<200
	08/21/04	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<1.00Y	<2.11Y	<2.11 JGY	<2.11 JGY	<5.26Y	<2.11Y	<2.11Y	<5.26Y	<1.05Y	<1.05Y	<5.26Y	<0.211Y	<2.11Y	<0.211Y	<0.526Y	<0.211Y	<0.211Y	<0.211Y	<2.11Y	<0.02 QY	<0.005Y	0.035 ?Y	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	<0.235	<0.165	<0.126	<0.110	<0.116	<0.106	<0.102	<0.150	<0.084	<0.102	<0.259	<0.167	<0.133	<0.094	<0.160	<0.018	<0.005	0.0176 V	NM	<18
	03/13/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.101	<0.133	<0.210	<0.0840	<0.112	<0.0900	<0.0980	<0.0780	<0.108	<0.135 J3	<0.106	<0.0630	<0.0600	<0.0900	<0.154	<0.121	<0.146	<0.102	<0.0559	<0.005	0.0210	622	< 20
	06/06/05	<0.143	<0.201	<0.142	<0.220	<0.220	< 0.236	<0.101	< 0.133	< 0.210	< 0.0840	< 0.112	< 0.0900	< 0.0980	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.154	< 0.121	< 0.146	< 0.102	< 0.055	< 0.005	0.0230	477	< 20
	09/06/05	<0.143	<0.201	<0.142	0.580 I	<0.220	< 0.236	0.260 I	< 0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	< 0.121	<0.146	<0.100	<0.055	<0.005	NM	271	<20
	12/07/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.102	<0.135	<0.207	<0.0857	<0.114	<0.0918	<0.102	<0.0816	<0.110	<0.136	<0.108	<0.0684	<0.0612	<0.0918	<0.153	<0.123	<0.149	<0.102	NM	NM	NM	93.2	<18
	03/25/06	<0.140	0.126	<0.176	<0.296	<0.296	<0.236	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	65.1	66 I
	06/05/06	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	33.0	38.0 I
	09/24/06	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	94.9	55 I
	12/06/06	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	0.890 I	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	67.4	<18
	03/01/07	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	<0.100	2.69 I	<0.203	<0.0840	<0.112	3.45 I	<0.100	3.41 I	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	61.7	135 I
	06/15/07	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	42.3	111 I V
	09/12/07	<0.305	<0.388	<0.257	<0.433	<0.433	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	0.310 I	0.210 I	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	23.9	39 I
	12/05/07	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	1.68	0.230 I	0.260 I	<0.0840	0.250 I	0.200 I	0.250 I	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	43.4	<18
	03/06/08	<0.305	<0.338	<0.257	<0.433	<0.433	<0.336	0.280	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	NM	<0.39
CEF-46-26I	12/20/00	3300	78	41	310	1729	NM	<1.1	NM	NM	<1.1	<1.1	<1.1	<1.1	<1.1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.6	<0.4	<1.0	NM	<500
	01/25/01	2400	270	100	920	3690	<5.0	<1.0	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.60	<0.40	<1.0	NM	690
	03/14/03	866	23.3	5.4	189	1094	15.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.100	0.35	<0.100	NM	528
	06/05/03	845	30	<10.0	[illegible]	1189	21	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	NM	598
	09/03/03	962	24	<10.0	[illegible]	1273	17.0	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.300	<0.30	<0.100	NM	486
	12/11/03	893	16.5	7.9	198	915	19.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.60	<0.100	NM	954
	03/18/04	870	8.3	6.3 ?	162	1046.6	26.3	<2.20	<2.20	<2.20	<5.49	<2.20	<2.20	<5.49	<1.10	<1.10	<5.49	<0.220	<2.20	<0.220	<0.549	<0.220	<0.220	<0.220	<2.20	0.02	<0.005	0.071 ?	NM	380
	06/08/04	632	87.9	47.7	31	1338.6	25.4	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.100	<0.60	<0.100	NM	524
	08/21/04	184Y	27.7Y	7.84Y	233Y	452.54Y	141Y	<2.04Y	<2.04 JGY	<2.04 JGY	<5.10Y	<2.04Y	<2.04Y	<5.10Y	<1.02Y	<1.02Y	<5.10Y	<0.204Y	<2.04Y	<0.204Y	<0.510Y	<0.204Y	<0.204Y	<0.204Y	<2.04Y	<0.02 QY	<0.005Y	0.047 ?Y	NM	280Y
	12/01/04	184	16.67	6.42	128	319.09	12.05	0.56 I	<0.206	<0.216	<0.237	<0.167	<0.127	<0.111	<0.120	<0.107	<0.103	<0.152	<0.085	<0.103	<0.262	<0.168	<0.134	<0.095	<0.162	<0.018	<0.005	0.03	NM	1500
	03/13/05	5.17	2.03	0.420 I	17.4	25.22	1.83 I	0.216 I	<0.133	<0.210	<0.0840	<0.112	<0.0900	<0.0990	<0.0780	<0.108	<0.135 J3	<0.106	<0.0630	<0.0600	<0.0900	<0.154	< 0.121	< 0.146	< 0.102	<0.0550	<0.005	0.0460	3190	1730
	06/06/05	8.21	4.68	0.570 I	42.4	56.86	2.33	<0.101	< 0.133	< 0.210	< 0.0840	< 0.112	< 0.0900	< 0.0980	< 0.0780	< 0.108	< 0.135 J3	< 0.106	< 0.0630	< 0.0600	< 0.0900	< 0.150	< 0.121	< 0.146	< 0.100	< 0.055	<0.005	0.0410	2300	67 I
	09/06/05	1.16 I	0.900 I	<0.142	13.3	15.36	<0.236	<0.100	<0.133	<0.203	<0.0840	<0.112	< 0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	1880	<18
	12/07/05	6.72	0.740 I	<0.142	11.5	18.96	0.480 I	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	415	390
	03/29/06	1.00	0.490 I	<0.176	9.64	11.13	1.89	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	1460	107 I
	06/09/06	0.460 I	<0.338	<0.257	5.35	5.81	0.380 I	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	676	19 I
	09/24/06	0.460 I	<0.338	<0.257	4.10	5.05	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	1190	20 I
	12/06/06	0.730 I	<0.338	<0.257	3.96	4.69	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	804	<18
	03/01/07	0.650 I	<0.338	<0.257	3.57	4.42	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121 J3	<0.146	<0.100	NM	NM	NM	1840	167 I
	06/15/07	0.340 I	<0.338	<0.257	1.62	1.960	0.440 I	<0.100	<0.133	<0.203	<0.0840 J3	<0.112 J3	<0.0900 J3	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	1280	136 I V
	09/12/07	0.350 I	<0.338	0.260 I	1.13	1.77	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	1060	72 I
	12/05/07	<0.305	<0.338	<0.257	1.78	1.78	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	178	172
	03/06/08	<0.305	<0.338	<0.257	1.34	1.34	<0.336	<0.100	<0.133	<0.203	<0.0840	<0.112	<0.0900	<0.100	<0.0800	<0.108	<0.135	<0.106	<0.0670	<0.0600	<0.0900	<0.150	<0.121	<0.146	<0.100	NM	NM	NM	2.22	<18
CEF-46-27D	12/07/05	<0.143	<0.201	<0.142	<0.220	<0.220	<0.236	<0.101	<0.133	<0.205	<0.0848	<0.113	<0.0908	<0.101	<0.0808	<0.109	<0.136	<0.107	<0.0677	<0.0606	<0.0909	<0.152	<0.122	<0.147	<0.101	NM	NM	NM	1300	<18
CEF-46-28I	12/07/05	13.5	<0.201	<0.142	1.341	14.94	16.8	<0.100	<0.145	<0.221	<0.0913	<0.122	<0.0878	<0.109	<0.0870	<0.117	<0.147	<0.115	<0.0726	<0.0652	<0.0878	<0.165	<0.132	<0.159	<0.109	NM	NM	NM	2220	<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	<0.0866	<0.115	<0.0928	<0.103	<0.0835	<0.111	<0.139	<0.100	<0.0691	<0.0619	<0.0928	<0.155	<0.125	<0.151	<0.103	NM	NM	NM	721	<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	<0.0933	<0.124	<0.100	<0.111	<0.0889	<0.120	<0.150	<0.118	<0.0744	<0.0667	<0.100	<0.167	<0.134	<0.162	<0.111	NM	NM	NM	2120	<20
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	<0.0933	<0.124	<0.100	<0.111	<0.0889	<0.120	<0.150	<0.118	<0.0744	<0.0667	<0.100	<0.167	<0.134	<0.162	<0.111	NM	NM	NM	2120	<20

All values reported in ug/L unles otherwise noted
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

* GCTL Reported in mg/L
NM = Not Measured
n/a = Not applicable
? = Rejected during data validation
"J" = 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.

I= The reported value is between the laboratory method and detection limit
J3 = The reported value failed to meet the established quality control criteria for either precision and/or accuracy
Q= Sample was represerved out of hold time due to preservative with nitric acid instead of sulfuric acid. The lab error did not impact validity of reported values
Y = Sample was received into laboratory out of acceptable temperature range.
J4 = The sample matrix interfered with the ability to make an accurate determination.
Data prior to March 2006 was reported by others.

APPENDIX D

GROUNDWATER SAMPLING LOGS

Solutions-IES
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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:3/6/08		DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 10.30	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 – 10.30 feet) X 0.16 gallons/foot = 6.56 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 51.00 feet) + 0.13 gallons = 0.42 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 47.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 47.00	PURGING INITIATED AT: 12:25	PURGING ENDED AT: 12:55	TOTAL VOLUME PURGED (gallons): 0.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
12:44		0.40	0.02	10.31	3.46	25.82	281.00	0.39	2.06	clear	
12:49	0.20	0.60	0.03	10.31	3.45	25.70	288.00	0.27	1.71	clear	
12:53	0.10	0.70	0.02	10.31	3.45	25.79	294.00	0.23	1.55	clear	

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): 0.23	TEMP.(°C): 25.75	DO: 0	CO2: 487	DO High Range:	DO Low Range:
SEC(uS/cm): 296	pH: 3.45	Alkalinity: 0	Ferrous: Iron: 2	CO2 High Range:	DO Low Range:
ORP(mV): -41.8	TURB(NTU): 1.67	H2S: 0	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:	Sulfide:		
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Robert Brookshire	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 12:55	SAMPLING ENDED AT: 13:21
PUMP OR TUBING DEPTH IN WELL (feet): 47.00	SAMPLE PUMP FLOW RATE (mL per minute): 94.64	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N FIELD-FILTERED: ☐ Y ☑ N FILTER SIZE: 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-046-09I	1	AG	1 L	None				VT
CEF-046-09I	3	CG	40 ml	HCL				SM
CEF-046-09I	1	PE	250 ml	None				
CEF-046-09I	1	AG	1 L	HCL				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-046-02S	SAMPLE ID: 04-41001/3:CEF-046-02S:3/6/08	DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 9.61	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 – 9.61 feet) X 0.16 gallons/foot = 0.88 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: 13:44	PURGING ENDED AT: 14:16	TOTAL VOLUME PURGED (gallons): 0.90

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
14:07		0.60	0.03	9.72	5.91	22.30	336.00	0.49	8.24	clear	none
14:11	0.10	0.70	0.03	9.73	5.92	22.31	339.00	0.43	5.79	clear	none
14:14	0.10	0.80	0.03	9.73	5.92	22.36	356.00	0.43	6.91	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): .34	TEMP.(°C): 22.40	DO: 0	CO2: 260	DO High Range:	DO Low Range:
SEC(uS/cm): 358	pH: 5.92	Alkalinity: 60	Ferrous Iron: 1.2	CO2 High Range:	DO Low Range:
ORP(mV): 28.0	TURB(NTU): 5.28	H2S: 0.1	Maganese:		
Salinity:		Sulfate:	Sulfide:	Alkalinity High Range:	Alkalinity Low Range:
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Josh Clay	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 14:16	SAMPLING ENDED AT: 14:50
PUMP OR TUBING DEPTH IN WELL (feet): 13.00	SAMPLE PUMP FLOW RATE (mL per minute): 106.46	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: | 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-046-02S	3	CG	40 ml	HCL				RFPP
CEF-046-02S	1	AG	1 L	HCL				VT
CEF-046-02S	1	AG	1 L	None		5.92		VT
CEF-046-02S	1	PE	250 ml	None				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-046-21I	SAMPLE ID: 04-41001/3:CEF-046-21I:3/6/08		DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 11.22	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 – 11.22 feet) X 0.16 gallons/foot = 3.15 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 32.00 feet) + 0.13 gallons = 0.32 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 28.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 28.00	PURGING INITIATED AT: 8:36	PURGING ENDED AT: 8:58	TOTAL VOLUME PURGED (gallons): 0.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
8:51		0.30	0.02	11.39	3.80	20.55	192.00	0.88	46.90	clear	none
8:54	0.10	0.40	0.02	11.40	3.90	20.70	182.00	0.78	23.00	clear	none
8:57	0.10	0.50	0.03	11.40	3.95	20.84	178.00	0.73	23.00	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): .66	TEMP.(°C): 20.92	DO: 0	CO2: 98	DO High Range:	DO Low Range:
SEC(uS/cm): 176	pH: 3.98	Alkalinity: 0	Ferrous: Iron: 1.8	CO2 High Range:	DO Low Range:
ORP(mV): 389.5	TURB(NTU): 21.9	H2S: 0.1	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate: Nitrate:	Sulfide:		

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Josh Clay	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 8:58	SAMPLING ENDED AT: 9:37
PUMP OR TUBING DEPTH IN WELL (feet): 28.00	SAMPLE PUMP FLOW RATE (mL per minute): 103.24	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: | 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-046-21I	1	PE	250 ml	None				PP
CEF-046-21I	1	AG	1 L	None				VT
CEF-046-21I	1	AG	1 L	HCL				VT
CEF-046-21I	3	CG	40 ml	HCL				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-046-06D	SAMPLE ID: 04-41001/3:CEF-046-06D:3/6/08		DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 11.16	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) = (80.60 feet – 11.16 feet) X 0.16 gallons/foot = 11.32 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 79.00 feet) + 0.13 gallons = 0.59 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 75.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 75.00	PURGING INITIATED AT: 14:56	PURGING ENDED AT: 15:26	TOTAL VOLUME PURGED (gallons): 0.65

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
15:16		0.30	0.02	11.51	2.37	21.60	9,207.00	0.67	15.47	orange	none
15:19	0.10	0.40	0.02	11.51	2.38	21.41	9,630.00	0.65	20.60	orange	none
15:22	0.10	0.50	0.03	11.52	2.38	21.44	10,155.00	0.57	18.76	orange	none
15:25	0.10	0.60	0.03	11.51	2.38	21.63	10,533.00	0.56	17.42	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): .59	TEMP.(°C): 21.74	DO: 0	CO2: Interferenc	DO High Range:	DO Low Range:
SEC(uS/cm): 10573	pH: 2.38	Alkalinity: 0	Ferrous: Iron: 4.2	CO2 High Range:	DO Low Range:
ORP(mV): 439.7	TURB(NTU): 19.32	H2S: 0	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:	Sulfide:		
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Josh Clay	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 15:26	SAMPLING ENDED AT: 16:12
PUMP OR TUBING DEPTH IN WELL (feet): 75.00	SAMPLE PUMP FLOW RATE (mL per minute): 82.02	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: | 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				RFPP
CEF-046-06D	1	AG	1 L	HCL				VT
CEF-046-06D	1	AG	1 L	None				VT
CEF-046-06D	1	PE	250 ml	None				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)

Solutions-IES
Industrial & Environmental Services

GROUNDWATER SAMPLING LOG

SITE NAME: Building 46 - Cecil Field LTM/RAO		SITE LOCATION: Jacksonville	
WELL NO: CEF-046-EB1	SAMPLE ID: 04-41001/3:CEF-046-EB1:3/6/08		DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 0.00	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 0.00	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) = (0.00 feet – 0.00 feet) X 0.00 gallons/foot = 0.00 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = gallons+(0.00 gallons/foot X 4.00 feet) + 0.13 gallons = 0.13 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 15:40	PURGING ENDED AT: 15:45	TOTAL VOLUME PURGED (gallons): 0.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)

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):	TEMP.(°C):	DO:	CO2:	DO High Range:	DO Low Range:
SEC(uS/cm):	pH:	Alkalinity:	Ferrous: Iron:	CO2 High Range:	DO Low Range:
ORP(mV):	TURB(NTU):	H2S:	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:	Sulfide:		
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Robert Brookshire	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 15:45	SAMPLING ENDED AT: 15:56
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute): 0.00	TUBING MATERIAL CODE:	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: | 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-EB1	1	PE	250 ml	None				
CEF-046-EB1	1	AG	1 L	HCL				
CEF-046-EB1	1	AG	1 L	None				
CEF-046-EB1	3	CG	40 ml	HCL				

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-046-25I	SAMPLE ID: 04-41001/3:CEF-046-25I:3/6/08		DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 11.42	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 – 11.42 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 52.00 feet) + 0.13 gallons = 0.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48.00	PURGING INITIATED AT: 9:42	PURGING ENDED AT: 10:08	TOTAL VOLUME PURGED (gallons): 0.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
10:00		0.50	0.03	11.49	4.03	21.50	112.00	0.48	11.47	clear	none
10:04	0.10	0.60	0.03	11.48	4.14	21.66	102.00	0.42	3.81	clear	none
10:07	0.10	0.70	0.03	11.48	4.22	21.76	98.00	0.44	2.73	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): .41	TEMP.(°C): 21.75	DO: 0	CO2: 141	DO High Range:	DO Low Range:
SEC(uS/cm): 98	pH: 4.24	Alkalinity: 0	Ferrous: Iron: 2.6	CO2 High Range:	DO Low Range:
ORP(mV): -81.8	TURB(NTU): 3.82	H2S: 5.0	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:	Sulfide:		
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Josh Clay	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 10:08	SAMPLING ENDED AT: 10:40
PUMP OR TUBING DEPTH IN WELL (feet): 48.00	SAMPLE PUMP FLOW RATE (mL per minute): 116.47	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: | 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-046-25I	3	CG	40 ml	HCL				RFPP
CEF-046-25I	1	PE	250 ml	None				PP
CEF-046-25I	1	AG	1 L	None				VT
CEF-046-25I	1	AG	1 L	HCL				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-046-15I	SAMPLE ID: 04-41001/3:CEF-046-15I:3/6/08		DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 9.97	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 – 9.97 feet) X 0.16 gallons/foot = 3.35 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 32.00 feet) + 0.13 gallons = 0.32 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 28.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 28.00	PURGING INITIATED AT: 8:24	PURGING ENDED AT: 8:50	TOTAL VOLUME PURGED (gallons): 0.70

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
8:37		0.40	0.03	10.06	4.10	20.16	153.00	0.67	3.60	clear	sulfuric
8:42	0.10	0.50	0.03	10.07	4.04	20.48	154.00	0.49	3.71	clear	sulfuric
8:46	0.10	0.60	0.02	10.07	4.00	20.60	155.00	0.35	2.64	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): 0.39	TEMP.(°C): 20.65	DO: 0	CO2: 280	DO High Range:	DO Low Range:
SEC(uS/cm): 155	pH: 3.99	Alkalinity: 0	Ferrous: Iron: 2	CO2 High Range:	DO Low Range:
ORP(mV): -37.8	TURB(NTU): 3.83	H2S: 1	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:	Sulfide:		
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Robert Brookshire	SAMPLER(S) SIGNATURES: RB	SAMPLING INITIATED AT: 8:50	SAMPLING ENDED AT: 9:16
PUMP OR TUBING DEPTH IN WELL (feet): 28.00	SAMPLE PUMP FLOW RATE (mL per minute): 101.91	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N FIELD-FILTERED: ☐ Y ☑ N FILTER SIZE: 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-046-15I	1	AG	1 L	HCL				VT
CEF-046-15I	1	AG	1 L	None				VT
CEF-046-15I	3	CG	40 ml	HCL				SM

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:3/6/08	DATE: 03/06/2008	

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 9.51	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 – 9.51 feet) X 0.16 gallons/foot = 6.69 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 52.00 feet) + 0.13 gallons = 0.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48.00	PURGING INITIATED AT: 10:25	PURGING ENDED AT: 10:50	TOTAL VOLUME PURGED (gallons): 0.70

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
10:39		0.40	0.03	9.53	3.33	23.68	212.00	2.83	2.32	clear	
10:43	0.10	0.50	0.03	9.54	3.38	23.85	201.00	2.90	2.54	clear	
10:47	0.10	0.60	0.03	9.54	3.41	23.96	196.00	2.75	2.31	clear	

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): 2.78	TEMP.(°C): 24.01	DO: 1.8	CO2: 230	DO High Range:	DO Low Range:
SEC(uS/cm): 194	pH: 3.42	Alkalinity: 0	Ferrous: Iron: 2.4	CO2 High Range:	DO Low Range:
ORP(mV): 62.7	TURB(NTU): 2.59	H2S: 0	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:	Sulfide:		
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Robert Brookshire	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 10:50	SAMPLING ENDED AT: 11:11
PUMP OR TUBING DEPTH IN WELL (feet): 48.00	SAMPLE PUMP FLOW RATE (mL per minute): 105.99	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: | 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	1	PE	250 ml	None				
CEF-046-13I	1	AG	1 L	None				VT
CEF-046-13I	1	AG	1 L	HCL				VT
CEF-046-13I	3	CG	40 ml	HCL				SM

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-046-07I	SAMPLE ID: 04-41001/3:CEF-046-07I:3/6/08	DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 10.02	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 – 10.02 feet) X 0.16 gallons/foot = 3.34 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 32.00 feet) + 0.13 gallons = 0.32 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 28.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 28.00	PURGING INITIATED AT: 12:49	PURGING ENDED AT: 13:11	TOTAL VOLUME PURGED (gallons): 0.70

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
13:02		0.30	0.02	10.79	4.62	23.70	73.00	0.76	5.39	clear	sulfuric
13:05	0.10	0.40	0.03	10.81	4.41	23.76	70.00	0.79	4.82	clear	none
13:08	0.10	0.50	0.03	10.81	4.48	23.81	71.00	0.52	10.03	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): .45	TEMP.(°C): 23.89	DO: 0	CO2: 113	DO High Range:	DO Low Range:
SEC(uS/cm): 75	pH: 4.50	Alkalinity: 4	Ferrous: Iron: 3.4	CO2 High Range:	DO Low Range:
ORP(mV): -70.1	TURB(NTU): 9.75	H2S: 1.0	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:	Sulfide:		
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Josh Clay	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 13:11	SAMPLING ENDED AT: 13:38
PUMP OR TUBING DEPTH IN WELL (feet): 28.00	SAMPLE PUMP FLOW RATE (mL per minute): 120.44	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: | 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-046-07I	3	CG	40 ml	HCL				RFPP
CEF-046-07I	1	AG	1 L	HCL				VT
CEF-046-07I	1	AG	1 L	None				VT
CEF-046-07I	1	PE	250 ml	None				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-046-12I	SAMPLE ID: 04-41001/3:CEF-046-12I:3/6/08		DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 9.24	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) = (30.50 feet – 9.24 feet) X 0.16 gallons/foot = 3.47 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 31.50 feet) + 0.13 gallons = 0.31 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 27.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 27.50	PURGING INITIATED AT: 9:21	PURGING ENDED AT: 9:50	TOTAL VOLUME PURGED (gallons): 0.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
9:40		0.60	0.03	9.47	3.95	22.80	243.00	0.29	2.96	clear	
9:45	0.10	0.70	0.03	9.48	3.97	22.87	243.00	0.24	2.60	clear	
9:49	0.10	0.80	0.02	9.48	3.96	22.94	243.00	0.20	2.36	clear	

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): 0.23	TEMP.(°C): 22.97	DO: 0	CO2: 425	DO High Range:	DO Low Range:
SEC(uS/cm): 243	pH: 3.96	Alkalinity: 0	Ferrous: Iron: 1.8	CO2 High Range:	DO Low Range:
ORP(mV): 6.1	TURB(NTU): 2.06	H2S: .1	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate: Nitrate:	Sulfide:		

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Robert Brookshire	SAMPLER(S) SIGNATURES: RB	SAMPLING INITIATED AT: 9:50	SAMPLING ENDED AT: 10:16
PUMP OR TUBING DEPTH IN WELL (feet): 27.50	SAMPLE PUMP FLOW RATE (mL per minute): 104.43	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: | 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	1	AG	1 L	HCL				VT
CEF-046-12I	3	CG	40 ml	HCL				SM
CEF-046-12I	1	AG	1 L	None				VT
CEF-046-12I	1	PE	250 ml	None				

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-046-01S	SAMPLE ID: 04-41001/3:CEF-046-01S:3/6/08	DATE: 03/06/2008	

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 9.72	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 – 9.72 feet) X 0.16 gallons/foot = 0.86 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 19.00 feet) + 0.13 gallons = 0.24 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00	PURGING INITIATED AT: 13:47	PURGING ENDED AT: 14:25	TOTAL VOLUME PURGED (gallons): 0.90

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
14:06		0.40	0.02	11.06	4.74	24.73	2,575.00	0.37	10.30	yellow	strong HC
14:10	0.20	0.60	0.03	11.14	4.77	24.70	2,441.00	0.30	8.69	clear	strong HC
14:14	0.10	0.70	0.03	11.21	4.81	24.44	2,262.00	0.26	7.86	clear	strong HC
14:18	0.10	0.80	0.02	11.24	4.82	24.43	2,168.00	0.23	8.35	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): 0.23	TEMP.(°C): 24.44	DO: 0	CO2: Interferenc	DO High Range:	DO Low Range:
SEC(uS/cm): 2146	pH: 4.81	Alkalinity: 10	Ferrous: Iron: 3.6	CO2 High Range:	DO Low Range:
ORP(mV): -98.2	TURB(NTU): 8.10	H2S: 5	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:	Sulfide:		
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Robert Brookshire	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 14:25	SAMPLING ENDED AT: 14:44
PUMP OR TUBING DEPTH IN WELL (feet): 15.00	SAMPLE PUMP FLOW RATE (mL per minute): 89.65	TUBING MATERIAL CODE: PPE	
FIELD DECONTAMINATION: ☑ Y ☐ N	FIELD-FILTERED: ☐ Y ☑ N Filtration Equipment Type:	FILTER SIZE:	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-046-01S	3	CG	40 ml	HCL	40 ml	4.81		SM
CEF-046-01S	1	PE	250 ml	None				
CEF-046-01S	1	AG	1 L	HCL				VT
CEF-046-01S	1	AG	1 L	None				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-046-05I	SAMPLE ID: 04-41001/3:CEF-046-05I:3/6/08		DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 10.79	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 – 10.79 feet) X 0.16 gallons/foot = 6.48 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 51.00 feet) + 0.13 gallons = 0.42 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 47.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 47.00	PURGING INITIATED AT: 14:50	PURGING ENDED AT: 15:17	TOTAL VOLUME PURGED (gallons): 0.70

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
15:07		0.40	0.02	11.04	2.83	24.78	365.00	0.86	3.91	clear	slight HC
15:11	0.10	0.50	0.02	11.05	2.86	24.80	337.00	0.85	2.63	clear	slight HC
15:14	0.10	0.60	0.03	11.05	2.86	24.81	329.00	0.84	2.08	clear	slight 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): 0.84	TEMP.(°C): 24.82	DO: 0	CO2: 99	DO High Range:	DO Low Range:
SEC(uS/cm): 327	pH: 2.86	Alkalinity: 0	Ferrous: Iron: 1.2	CO2 High Range:	DO Low Range:
ORP(mV): 57.6	TURB(NTU): 1.47	H2S: 0	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:	Sulfide:		
		Nitrate:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Robert Brookshire	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 15:17	SAMPLING ENDED AT: 15:43
PUMP OR TUBING DEPTH IN WELL (feet): 47.00	SAMPLE PUMP FLOW RATE (mL per minute): 98.14	TUBING MATERIAL CODE: PPE	
FIELD DECONTAMINATION: ☑ Y ☐ N	FIELD-FILTERED: ☐ Y ☑ N Filtration Equipment Type:	FILTER SIZE:	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	3	CG	40 ml	HCL				SM
CEF-046-05I	1	PE	250 ml	None				
CEF-046-05I	1	AG	1 L	HCL				VT
CEF-046-05I	1	AG	1 L	None				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:3/6/08		DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 12.21	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) = (47.76 feet – 12.21 feet) X 0.16 gallons/foot = 5.80 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 49.00 feet) + 0.13 gallons = 0.41 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 45.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 45.00	PURGING INITIATED AT: 10:44	PURGING ENDED AT: 11:09	TOTAL VOLUME PURGED (gallons): 0.55

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
11:02		0.30	0.02	12.22	3.39	21.83	1,329.00	0.48	10.68	clear	none
11:05	0.10	0.40	0.02	12.22	3.40	21.88	1,324.00	0.44	15.76	clear	sulfuric
11:08	0.10	0.50	0.03	12.22	3.40	21.94	1,318.00	0.39	12.67	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): .38	TEMP.(°C): 21.99	DO: 0	CO2: Interferenc	DO High Range:	DO Low Range:
SEC(uS/cm): 1314	pH: 3.40	Alkalinity: 0	Ferrous: Iron: 3.6	CO2 High Range:	DO Low Range:
ORP(mV): 21.3	TURB(NTU): 11.29	H2S: 5.0	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate: Nitrate:	Sulfide:		

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Josh Clay	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 11:09	SAMPLING ENDED AT: 11:37
PUMP OR TUBING DEPTH IN WELL (feet): 45.00	SAMPLE PUMP FLOW RATE (mL per minute): 83.28	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: | 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	1	AG	1 L	HCL				VT
CEF-046-26I	1	AG	1 L	None				VT
CEF-046-26I	1	PE	250 ml	None				PP
CEF-046-26I	3	CG	40 ml	HCL				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-046-24D	SAMPLE ID: 04-41001/3:CEF-046-24D:3/6/08		DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 10.49	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) = (90.45 feet – 10.49 feet) X 0.16 gallons/foot = 13.05 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 92.00 feet) + 0.13 gallons = 0.66 gallons *

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 88.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 88.00	PURGING INITIATED AT: 11:41	PURGING ENDED AT: 12:08	TOTAL VOLUME PURGED (gallons): 0.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
12:00		0.40	0.02	10.51	3.39	23.26	789.00	0.81	6.88	clear	none
12:03	0.10	0.50	0.02	10.50	3.41	23.32	785.00	0.70	7.73	clear	none
12:07	0.20	0.70	0.05	10.50	3.42	23.35	774.00	0.57	7.39	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): .54	TEMP.(°C): 23.36	DO: 0	CO2: Interferenc	DO High Range:	DO Low Range:
SEC(uS/cm): 771	pH: 3.44	Alkalinity: 0	Ferrous: Iron: 2.2	CO2 High Range:	DO Low Range:
ORP(mV): 286.7	TURB(NTU): 5.23	H2S: 0.5	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate: Nitrate:	Sulfide:		

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Josh Clay	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 12:08	SAMPLING ENDED AT: 12:40
PUMP OR TUBING DEPTH IN WELL (feet): 88.00	SAMPLE PUMP FLOW RATE (mL per minute): 105.15	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: | 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-046-24D	3	CG	40 ml	HCL				RFPP
CEF-046-24D	1	AG	1 L	HCL				VT
CEF-046-24D	1	AG	1 L	None				VT
CEF-046-24D	1	PE	250 ml	None				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)

Solutions-IES
Industrial & Environmental Services

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:3/6/08		DATE: 03/06/2008

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet): 9.35	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 – 9.35 feet) X 0.16 gallons/foot = 11.53 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 79.00 feet) + 0.13 gallons = 0.59 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 75.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 75.00	PURGING INITIATED AT: 11:21	PURGING ENDED AT: 11:50	TOTAL VOLUME PURGED (gallons): 0.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	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)
11:37		0.40	0.03	9.56	5.04	24.46	122.00	0.69	2.07	clear	
11:41	0.10	0.50	0.02	9.57	5.09	24.49	121.00	0.47	2.35	clear	
11:47	0.20	0.70	0.04	9.57	5.09	24.53	122.00	0.33	1.76	clear	

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): 0.30	TEMP.(°C): 24.57	DO: 0	CO2: 169	DO High Range:	DO Low Range:
SEC(uS/cm): 122	pH: 5.08	Alkalinity: 20	Ferrous: Iron: 1.8	CO2 High Range:	DO Low Range:
ORP(mV): -54.3	TURB(NTU): 1.71	H2S: .1	Maganese:	Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate: Nitrate:	Sulfide:		

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Robert Brookshire	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 11:50	SAMPLING ENDED AT: 12:14
PUMP OR TUBING DEPTH IN WELL (feet): 75.00	SAMPLE PUMP FLOW RATE (mL per minute): 97.90	TUBING MATERIAL CODE: PPE	

FIELD DECONTAMINATION: ☑ Y ☐ N | FIELD-FILTERED: ☐ Y ☑ N | FILTER SIZE: | 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	1	AG	1 L	None				VT
CEF-046-14D	1	AG	1 L	HCL				VT
CEF-046-14D	1	PE	250 ml	None				
CEF-046-14D	3	CG	40 ml	HCL				SM

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