PMTurkeyCOLPEm Resource

From: Theresa Woody [twoody@sfrestore.org]
Sent: Friday, August 20, 2010 8:23 PM
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Cc: richard@evergladeslaw.org
Subject: Update information; South Miami-Dade Water Issues Cordination, FPL Turkey Point Monitoring
Attachments: Combined_35805-35950-35970.pdf

I am forwarding this on behalf of the SFWMD. I apologize if you already recieved but want to be sure all members and interested parties receive this update. TW

Subject: Update information; South Miami-Dade Water Issues Cordination, FPL Turkey Point Monitoring

Hello Stakeholders,

The District has added information received from Florida Power and Light on the South Miami-Dade Water Issues Coordination web site. This information is being collected by FPL as they implement the Turkey Point Power Plant Groundwater, Surface Water, and Ecological Monitoring Plan associated with the provisions of the 5th Supplemental Agreement between the District and FPL. Staff from FPL, DEP, Miami-Dade DERM, Biscayne Bay National Park and the District have been working together to ensure the collection and distribution of high quality technical data for assessing water resource conditions in the vicinity of the Turkey Point Power Plant. The data collection efforts will continue over time and the District is committed to share the information with the public. As such, we will be continually updating the following web site as new data comes in:

http://www.sfwmd.gov/portal/page/portal/xweb%20about%20us/miami%20dade%20service%20center#smdwic

click on 'more' under the South Miami-Dade Water Issues Coordination Initiative tab and you'll find the FPL data under the FLORIDA POWER AND LIGHT - TURKEY POINT banner in the gray shaded box.

In addition, attached is the existing lab results from FPL's June/July monitor well sampling event. We received the data this morning and haven't added it to the web site yet. In the future, we will also be updating the Google Earth application to link the new data to the data collection sites located on the map. Please let me know if you have questions or suggestions. Have a good weekend

Scott Burns, P.G.

Chief Scientist,

South Florida Water management District

Hearing Identifier: TurkeyPoint_COL_Public
Email Number: 26

Mail Envelope Properties (505876B2203A9E4383F60719D09786A1AE00CB)

Subject: Update information; South Miami-Dade Water Issues Cordination, FPL Turkey Point Monitoring
Sent Date: 8/20/2010 8:23:29 PM
Received Date: 8/20/2010 8:38:06 PM
From: Theresa Woody

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ANALYTICAL REPORT

Job Number: 660-35805-1

SDG Number: 35805

Job Description: FPL Turkey Point Analytical Services

For:
Florida Power & Light Company
Technical Services - PGD Environmental
Water Compliance/Permitting
700 Universe Blvd (JES/JB)
Juno Beach, FL 33408

Attention: Ms. Stacy Foster

Approved for release.
Amy Atkins
Project Manager I
8/2/2010 3:40 PM

Amy Atkins
Project Manager I
amy.atkins@testamericainc.com
08/02/2010

cc: Ms. Sharon Ewe

Methods: FDEP, DOH Certification #: TestAmerica Tampa E84282; TestAmerica Tallahassee E81005; TestAmerica Savannah E87052 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

Job Narrative
660-35805-1

Receipt
All samples were received in good condition within temperature requirements.

Metals
Method 200.7: The following sample was received unpreserved and was preserved upon receipt to the laboratory: 061610-TPGW-5D (660-35805-1). Initial pH was adjusted to <2 with HNO3 lot 2MER0014. Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion.

Method 200.7 Rev 4.4: The following sample was diluted due to the nature of the sample matrix: 061610-TPGW-5D (660-35805-1). Elevated reporting limits (RLs) are provided.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Calcium in batch 96355 were outside control limits with the sample greater than 4x the spike level. The associated laboratory control sample (LCS) recovery met acceptance criteria.

General Chemistry
DOC samples were field filtered and preserved in the lab.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 96178 were outside control limits for Chloride. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method SM 4500 S2 F: Insufficient sample volume was provided to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 96052 The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35805-1	**061610-TPGW-5D**				
Field pH		6.85		SU	Field Sampling
Field Temperature		24.69		Degrees C	Field Sampling
Oxygen, Dissolved		4.0		mg/L	Field Sampling
Specific Conductance		29980		umhos/cm	Field Sampling
Turbidity		0.46		NTU	Field Sampling
Bromide		40	5.0	mg/L	300.0
Chloride		12000	500	mg/L	300.0
Sulfate		1300	50	mg/L	300.0
Alkalinity		220	1.0	mg/L	SM 2320B
Total Dissolved Solids		21000	250	mg/L	SM 2540C
Dissolved					
Dissolved Inorganic Carbon-Dissolved		55	1.0	mg/L	9060
Total Recoverable					
Barium		220	100	ug/L	200.7 Rev 4.4
Iron		1600	500	ug/L	200.7 Rev 4.4
Boron		1100	500	ug/L	6010B
Calcium		600	5.0	mg/L	6010B
Potassium		210	10	mg/L	6010B
Strontium		7800	50	ug/L	6010B
Magnesium		750	0.80	mg/L	6010B
Sodium		6500	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35805-2	**061610-TPGW-5M**				
Field pH		6.92		SU	Field Sampling
Field Temperature		24.61		Degrees C	Field Sampling
Oxygen, Dissolved		1.1		mg/L	Field Sampling
Specific Conductance		21350		umhos/cm	Field Sampling
Turbidity		0.16		NTU	Field Sampling
Bromide		30	5.0	mg/L	300.0
Chloride		8900	500	mg/L	300.0
Sulfate		860	50	mg/L	300.0
Alkalinity		210	1.0	mg/L	SM 2320B
Total Dissolved Solids		17000	250	mg/L	SM 2540C
Dissolved					
Dissolved Inorganic Carbon-Dissolved		54	1.0	mg/L	9060
Total Recoverable					
Barium		260	10	ug/L	200.7 Rev 4.4
Iron		5400	50	ug/L	200.7 Rev 4.4
Boron		580	500	ug/L	6010B
Calcium		570	5.0	mg/L	6010B
Potassium		120	10	mg/L	6010B
Strontium		6800	50	ug/L	6010B
Magnesium		540	0.80	mg/L	6010B
Sodium		4900	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35805-3	**061610-TPGW-5S**				
Field pH		7.47		SU	Field Sampling
Field Temperature		25.80		Degrees C	Field Sampling
Oxygen, Dissolved		1.2		mg/L	Field Sampling
Specific Conductance		958		umhos/cm	Field Sampling
Turbidity		5.27		NTU	Field Sampling
Bromide		0.74	0.050	mg/L	300.0
Chloride		210	5.0	mg/L	300.0
Fluoride		0.051	0.050	mg/L	300.0
Sulfate		19	0.50	mg/L	300.0
Alkalinity		240	1.0	mg/L	SM 2320B
Total Dissolved Solids		690	5.0	mg/L	SM 2540C
Dissolved					
Dissolved Inorganic Carbon-Dissolved		62	1.0	mg/L	9060
Total Recoverable					
Barium		40	10	ug/L	200.7 Rev 4.4
Iron		560	50	ug/L	200.7 Rev 4.4
Boron		54	50	ug/L	6010B
Calcium		130	0.50	mg/L	6010B
Potassium		7.7	1.0	mg/L	6010B
Strontium		1300	5.0	ug/L	6010B
Magnesium		8.4	0.080	mg/L	6010B
Sodium		110	0.50	mg/L	6010B

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL TAL	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL TAL		EPA 200.7
Metals (ICP)	TAL TAM	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL TAM		SW846 3005A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Carbon, Dissolved and Dissolved Inorganic	TAL SAV	SW846 9060	
Sample Filtration, Field	TAL SAV		FIELD_FLTRD
Alkalinity	TAL TAM	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL TAM	SM SM 2540C	
Sulfide, Total	TAL TAM	SM SM 4500 S2 F	
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAL = TestAmerica Tallahassee

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method	Analyst	Analyst ID
EPA 200.7 Rev 4.4	Neal, Amanda J	AJN
EPA 200.7 Rev 4.4	Wallace, Tiffany B	TBW
SW846 6010B	Fox, Greg	GF
EPA Field Sampling	Sampler, Field	FS
MCAWW 300.0	Sengsouvanna, Dom	DS
SW846 9060	Blackshear, Kim	KB
SM SM 2320B	Steward, Tiffany	TS
SM SM 2540C	Oonnoonny, Thomas	TO
SM SM 4500 S2 F	Mostafavifar, Efe	EM

SAMPLE SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-35805-1	061610-TPGW-5D	Water	06/16/2010 1336	06/17/2010 0840
660-35805-2	061610-TPGW-5M	Water	06/16/2010 1445	06/17/2010 0840
660-35805-3	061610-TPGW-5S	Water	06/16/2010 1230	06/17/2010 0840

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Client Sample ID: **061610-TPGW-5D**

Lab Sample ID: 660-35805-1
Client Matrix: Water

Date Sampled: 06/16/2010 1336
Date Received: 06/17/2010 0840

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70408		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70149		Lab File ID:	062910.csv
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 0856			Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	220		9.6	100
Iron	1600		46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96428		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355		Lab File ID:	10F25A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 0909			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	600		1.0	5.0
Potassium	210		1.9	10
Magnesium	750		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	1100		100	500
Strontium	7800		10	50

Method:	6010B	Analysis Batch: 660-96428		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355		Lab File ID:	10F25A
Dilution:	200			Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 1025	Run Type: DL		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	6500		62	100

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Client Sample ID: **061610-TPGW-5M**

Lab Sample ID: 660-35805-2
Client Matrix: Water

Date Sampled: 06/16/2010 1445
Date Received: 06/17/2010 0840

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70371		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70149		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1320			Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	260		0.96	10
Iron	5400		4.6	50

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96428		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355		Lab File ID:	10F25A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 0915			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	570		1.0	5.0
Potassium	120		1.9	10
Magnesium	540		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	580		100	500
Strontium	6800		10	50

Method:	6010B	Analysis Batch: 660-96428		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355		Lab File ID:	10F25A
Dilution:	200			Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 1031	Run Type: DL		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4900		62	100

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Client Sample ID: **061610-TPGW-5S**

Lab Sample ID: 660-35805-3
Client Matrix: Water

Date Sampled: 06/16/2010 1230
Date Received: 06/17/2010 0840

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70371		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70149		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1325			Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	40		0.96	10
Iron	560		4.6	50

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96375		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355		Lab File ID:	10F24A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/24/2010 1610			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	130		0.10	0.50
Potassium	7.7		0.19	1.0
Magnesium	8.4		0.020	0.080
Sodium	110		0.31	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	54		10	50
Strontium	1300		1.0	5.0

General Chemistry

Client Sample ID: **061610-TPGW-5D**

Lab Sample ID: 660-35805-1
Client Matrix: Water

Date Sampled: 06/16/2010 1336
Date Received: 06/17/2010 0840

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	40		mg/L	2.7	5.0	100	300.0
Analysis Batch: 660-96235	Date Analyzed: 06/21/2010 2122						
Chloride	12000		mg/L	200	500	1000	300.0
Analysis Batch: 660-96392	Date Analyzed: 06/23/2010 2159						
Fluoride	0.040	U	mg/L	0.040	0.10	2.0	300.0
Analysis Batch: 660-96606	Date Analyzed: 06/29/2010 2107						
Sulfate	1300		mg/L	20	50	100	300.0
Analysis Batch: 660-96235	Date Analyzed: 06/21/2010 2122						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	55		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127						
Alkalinity	220		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1355						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1355						
Total Dissolved Solids	21000		mg/L	250	250	1.0	SM 2540C
Analysis Batch: 660-96110	Date Analyzed: 06/18/2010 1330						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96052	Date Analyzed: 06/17/2010 1640						

General Chemistry

Client Sample ID: **061610-TPGW-5M**

Lab Sample ID: 660-35805-2
Client Matrix: Water

Date Sampled: 06/16/2010 1445
Date Received: 06/17/2010 0840

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	30		mg/L	2.7	5.0	100	300.0
Analysis Batch: 660-96235	Date Analyzed: 06/21/2010 2144						
Chloride	8900		mg/L	200	500	1000	300.0
Analysis Batch: 660-96392	Date Analyzed: 06/23/2010 2220						
Fluoride	0.040	U	mg/L	0.040	0.10	2.0	300.0
Analysis Batch: 660-96606	Date Analyzed: 06/29/2010 2125						
Sulfate	860		mg/L	20	50	100	300.0
Analysis Batch: 660-96235	Date Analyzed: 06/21/2010 2144						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	54		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127						
Alkalinity	210		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1408						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1408						
Total Dissolved Solids	17000		mg/L	250	250	1.0	SM 2540C
Analysis Batch: 660-96110	Date Analyzed: 06/18/2010 1330						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96052	Date Analyzed: 06/17/2010 1640						

General Chemistry

Client Sample ID: **061610-TPGW-5S**

Lab Sample ID: 660-35805-3
Client Matrix: Water

Date Sampled: 06/16/2010 1230
Date Received: 06/17/2010 0840

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	0.74		mg/L	0.027	0.050	1.0	300.0
Analysis Batch: 660-96178	Date Analyzed: 06/19/2010 0958						
Chloride	210		mg/L	2.0	5.0	10	300.0
Analysis Batch: 660-96101	Date Analyzed: 06/17/2010 1919						
Fluoride	0.051		mg/L	0.020	0.050	1.0	300.0
Analysis Batch: 660-96178	Date Analyzed: 06/19/2010 0958						
Sulfate	19		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-96178	Date Analyzed: 06/19/2010 0958						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	62		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127						
Alkalinity	240		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1414						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1414						
Total Dissolved Solids	690		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-96110	Date Analyzed: 06/18/2010 1331						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96052	Date Analyzed: 06/17/2010 1640						

Field Service / Mobile Lab

Client Sample ID: **061610-TPGW-5D**

Lab Sample ID: 660-35805-1
Client Matrix: Water

Date Sampled: 06/16/2010 1336
Date Received: 06/17/2010 0840

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.85		SU	1.0	Field Sampling	660-97058	06/16/2010 1336
Field Temperature	24.69		Degrees C	1.0	Field Sampling	660-97058	06/16/2010 1336
Oxygen, Dissolved	4.0		mg/L	1.0	Field Sampling	660-97058	06/16/2010 1336
Specific Conductance	29980		umhos/cm	1.0	Field Sampling	660-97058	06/16/2010 1336
Turbidity	0.46		NTU	1.0	Field Sampling	660-97058	06/16/2010 1336

Field Service / Mobile Lab

Client Sample ID: **061610-TPGW-5M**

Lab Sample ID: 660-35805-2
Client Matrix: Water

Date Sampled: 06/16/2010 1445
Date Received: 06/17/2010 0840

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.92		SU	1.0	Field Sampling	660-97058	06/16/2010 1445
Field Temperature	24.61		Degrees C	1.0	Field Sampling	660-97058	06/16/2010 1445
Oxygen, Dissolved	1.1		mg/L	1.0	Field Sampling	660-97058	06/16/2010 1445
Specific Conductance	21350		umhos/cm	1.0	Field Sampling	660-97058	06/16/2010 1445
Turbidity	0.16		NTU	1.0	Field Sampling	660-97058	06/16/2010 1445

Field Service / Mobile Lab

Client Sample ID: **061610-TPGW-5S**

Lab Sample ID: 660-35805-3
Client Matrix: Water

Date Sampled: 06/16/2010 1230
Date Received: 06/17/2010 0840

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.47		SU	1.0	Field Sampling	660-97058	06/16/2010 1230
Field Temperature	25.80		Degrees C	1.0	Field Sampling	660-97058	06/16/2010 1230
Oxygen, Dissolved	1.2		mg/L	1.0	Field Sampling	660-97058	06/16/2010 1230
Specific Conductance	958		umhos/cm	1.0	Field Sampling	660-97058	06/16/2010 1230
Turbidity	5.27		NTU	1.0	Field Sampling	660-97058	06/16/2010 1230

DATA REPORTING QUALIFIERS

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Lab Section	Qualifier	Description
Metals		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 640-70149

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

Lab Sample ID: MB 640-70149/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1149
Date Prepared: 06/22/2010 1000

Analysis Batch: 640-70371
Prep Batch: 640-70149
Units: ug/L

Instrument ID: ICP2
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Barium	0.96	U	0.96	10
Iron	4.6	U	4.6	50

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-70149

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

LCS Lab Sample ID: LCS 640-70149/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1154
Date Prepared: 06/22/2010 1000

Analysis Batch: 640-70371
Prep Batch: 640-70149
Units: ug/L

Instrument ID: ICP2
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-70149/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1159
Date Prepared: 06/22/2010 1000

Analysis Batch: 640-70371
Prep Batch: 640-70149
Units: ug/L

Instrument ID: ICP2
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Barium	98	100	85 - 115	2	20		
Iron	97	98	85 - 115	2	20		

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-70149

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

MS Lab Sample ID:	660-35826-G-1-B MS	Analysis Batch: 640-70408	Instrument ID: ICP2
Client Matrix:	Water	Prep Batch: 640-70149	Lab File ID: 062910.csv
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	06/29/2010 0805		Final Weight/Volume: 50 mL
Date Prepared:	06/22/2010 1000		

MSD Lab Sample ID:	660-35826-G-1-C MSD	Analysis Batch: 640-70408	Instrument ID: ICP2
Client Matrix:	Water	Prep Batch: 640-70149	Lab File ID: 062910.csv
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	06/29/2010 0810		Final Weight/Volume: 50 mL
Date Prepared:	06/22/2010 1000		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	106	108	70 - 130	1	20		
Iron	89	90	70 - 130	1	20		

Duplicate - Batch: 640-70149

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

Lab Sample ID:	660-35826-G-2-B DU	Analysis Batch: 640-70408	Instrument ID: ICP2
Client Matrix:	Water	Prep Batch: 640-70149	Lab File ID: 062910.csv
Dilution:	10	Units: ug/L	Initial Weight/Volume: 50 mL
Date Analyzed:	06/29/2010 0828		Final Weight/Volume: 50 mL
Date Prepared:	06/22/2010 1000		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Barium	110	85.5	26	20	I J3
Iron	1700	1690	1	20	

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96355

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 660-96355/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1421
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355
Units: mg/L

Instrument ID: ICPA
Lab File ID: 10F24A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Calcium	0.10	U	0.10	0.50
Potassium	0.19	U	0.19	1.0
Magnesium	0.020	U	0.020	0.080
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-96355

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 660-96355/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1421
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355
Units: ug/L

Instrument ID: ICPA
Lab File ID: 10F24A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Boron	10	U	10	50
Strontium	1.0	U	1.0	5.0

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Lab Control Sample - Batch: 660-96355

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-96355/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1427
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355
Units: mg/L

Instrument ID: ICPA
Lab File ID: 10F24A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	1.00	1.01	101	75 - 125	
Potassium	10.0	10.3	103	75 - 125	
Magnesium	1.00	1.01	101	75 - 125	
Sodium	10.0	10.2	102	75 - 125	

Lab Control Sample - Batch: 660-96355

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-96355/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1427
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355
Units: ug/L

Instrument ID: ICPA
Lab File ID: 10F24A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Boron	1000	1010	101	75 - 125	
Strontium	1000	1090	109	75 - 125	

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96355

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	660-35887-E-1-B MS	Analysis Batch: 660-96375	Instrument ID: ICPA
Client Matrix:	Water	Prep Batch: 660-96355	Lab File ID: 10F24A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	06/24/2010 1446		Final Weight/Volume: 50 mL
Date Prepared:	06/24/2010 0908		

MSD Lab Sample ID:	660-35887-E-1-C MSD	Analysis Batch: 660-96375	Instrument ID: ICPA
Client Matrix:	Water	Prep Batch: 660-96355	Lab File ID: 10F24A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	06/24/2010 1452		Final Weight/Volume: 50 mL
Date Prepared:	06/24/2010 0908		

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	246	233	75 - 125	0	20	J3	J3
Potassium	122	124	75 - 125	1	20		
Magnesium	108	110	75 - 125	0	20		
Sodium	111	101	75 - 125	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96355

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	660-35887-E-1-B MS	Analysis Batch: 660-96375	Instrument ID: ICPA
Client Matrix:	Water	Prep Batch: 660-96355	Lab File ID: 10F24A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	06/24/2010 1446		Final Weight/Volume: 50 mL
Date Prepared:	06/24/2010 0908		

MSD Lab Sample ID:	660-35887-E-1-C MSD	Analysis Batch: 660-96375	Instrument ID: ICPA
Client Matrix:	Water	Prep Batch: 660-96355	Lab File ID: 10F24A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	06/24/2010 1452		Final Weight/Volume: 50 mL
Date Prepared:	06/24/2010 0908		

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Boron	105	105	75 - 125	1	20		
Strontium	108	110	75 - 125	1	20		

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96101

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96101/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/17/2010 1531
Date Prepared: N/A

Analysis Batch: 660-96101
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 11.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-96101

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96101/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/17/2010 1549
Date Prepared: N/A

Analysis Batch: 660-96101
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 12.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	10.0	10.6	106	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96101

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-35696-G-5 MS ^5
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 06/17/2010 1624
Date Prepared: N/A

Analysis Batch: 660-96101
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 14.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35696-G-5 MSD ^5
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 06/17/2010 1641
Date Prepared: N/A

Analysis Batch: 660-96101
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 15.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	102	102	90 - 110	0	30		

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96178

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96178/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2010 0516
Date Prepared: N/A

Analysis Batch: 660-96178
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 44.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Result	Qual	MDL	PQL
Bromide	0.027	U	0.027	0.050
Chloride	0.20	U	0.20	0.50
Fluoride	0.020	U	0.020	0.050
Sulfate	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-96178

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96178/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2010 0538
Date Prepared: N/A

Analysis Batch: 660-96178
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 45.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	0.975	98	90 - 110	
Chloride	10.0	10.2	102	90 - 110	
Fluoride	1.00	1.01	101	90 - 110	
Sulfate	10.0	10.0	100	90 - 110	

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96178

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	660-35749-J-3 MS ^10	Analysis Batch: 660-96178	Instrument ID: DIONEX2
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 53.0000.TXT
Dilution:	10		Initial Weight/Volume:
Date Analyzed:	06/19/2010 0831		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-35749-J-3 MSD ^10	Analysis Batch: 660-96178	Instrument ID: DIONEX2
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 54.0000.TXT
Dilution:	10		Initial Weight/Volume:
Date Analyzed:	06/19/2010 0853		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromide	110	110	90 - 110	0	30		
Chloride	112	112	90 - 110	0	30	J3	J3
Fluoride	104	105	90 - 110	1	30		
Sulfate	105	105	90 - 110	0	30		

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96235

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96235/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/21/2010 1745
Date Prepared: N/A

Analysis Batch: 660-96235
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 11.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Result	Qual	MDL	PQL
Bromide	0.027	U	0.027	0.050
Sulfate	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-96235

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96235/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/21/2010 1807
Date Prepared: N/A

Analysis Batch: 660-96235
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 12.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	0.924	92	90 - 110	
Sulfate	10.0	9.37	94	90 - 110	

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96235

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	660-35749-J-1 MS ^25	Analysis Batch: 660-96235	Instrument ID: DIONEX2
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 14.0000.TXT
Dilution:	25		Initial Weight/Volume:
Date Analyzed:	06/21/2010 1850		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-35749-J-1 MSD ^25	Analysis Batch: 660-96235	Instrument ID: DIONEX2
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 15.0000.TXT
Dilution:	25		Initial Weight/Volume:
Date Analyzed:	06/21/2010 1912		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromide	102	105	90 - 110	4	30		
Sulfate	94	104	90 - 110	3	30		

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96392

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96392/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 2010
Date Prepared: N/A

Analysis Batch: 660-96392
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 43.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-96392

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96392/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 2137
Date Prepared: N/A

Analysis Batch: 660-96392
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 44.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	10.0	10.1	101	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96392

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-35841-B-1 MS ^100
Client Matrix: Water
Dilution: 100
Date Analyzed: 06/24/2010 0157
Date Prepared: N/A

Analysis Batch: 660-96392
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 56.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35841-B-1 MSD
Client Matrix: Water
Dilution: 100
Date Analyzed: 06/24/2010 0219
Date Prepared: N/A

Analysis Batch: 660-96392
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 57.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	105	108	90 - 110	3	30		

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96606

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96606/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1721
Date Prepared: N/A

Analysis Batch: 660-96606
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 11.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Fluoride	0.020	U	0.020	0.050

Lab Control Sample - Batch: 660-96606

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96606/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1838
Date Prepared: N/A

Analysis Batch: 660-96606
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 12.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Fluoride	1.00	1.01	101	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96606

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-35863-I-7 MS ^10
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/29/2010 1949
Date Prepared: N/A

Analysis Batch: 660-96606
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 16.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35863-I-7 MSD ^10
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/29/2010 2006
Date Prepared: N/A

Analysis Batch: 660-96606
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 17.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Fluoride	95	95	90 - 110	0	30		

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 680-172887

Method: 9060
Preparation: N/A

Lab Sample ID: MB 680-172887/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1127
Date Prepared: N/A

Analysis Batch: 680-172887
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	PQL	PQL
Dissolved Inorganic Carbon-Dissolved	1.0	U	1.0	1.0
Dissolved Carbon-Dissolved	1.0	U	1.0	1.0

Lab Control Sample - Batch: 680-172887

Method: 9060
Preparation: N/A

Lab Sample ID: LCS 680-172887/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1127
Date Prepared: N/A

Analysis Batch: 680-172887
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dissolved Inorganic Carbon-Dissolved	20.0	19.7	98		
Dissolved Carbon-Dissolved	20.0	19.7	98		

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96198

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 660-96198/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/21/2010 1342
Date Prepared: N/A

Analysis Batch: 660-96198
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 6.21.10a.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Alkalinity	1.0	U	1.0	1.0

Lab Control Sample - Batch: 660-96198

Method: SM 2320B
Preparation: N/A

Lab Sample ID: LCS 660-96198/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/21/2010 1349
Date Prepared: N/A

Analysis Batch: 660-96198
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 6.21.10a.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	118	120	101	80 - 120	

Duplicate - Batch: 660-96198

Method: SM 2320B
Preparation: N/A

Lab Sample ID: 660-35805-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/21/2010 1402
Date Prepared: N/A

Analysis Batch: 660-96198
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 6.21.10a.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Alkalinity	220		221	0	30	
Carbonate Alkalinity as CaCO3	1.0	U	1.0	NC	30	U

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96110

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 660-96110/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/18/2010 1324
Date Prepared: N/A

Analysis Batch: 660-96110
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Lab Control Sample - Batch: 660-96110

Method: SM 2540C
Preparation: N/A

Lab Sample ID: LCS 660-96110/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/18/2010 1325
Date Prepared: N/A

Analysis Batch: 660-96110
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	10000	9950	100	80 - 120	

Duplicate - Batch: 660-96110

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 660-35787-D-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/18/2010 1327
Date Prepared: N/A

Analysis Batch: 660-96110
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	1100	1150	0	20	

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96052

Method: SM 4500 S2 F
Preparation: N/A

Lab Sample ID: MB 660-96052/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/17/2010 1640
Date Prepared: N/A

Analysis Batch: 660-96052
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	PQL	PQL
Sulfide	1.0	U	1.0	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 660-96052

Method: SM 4500 S2 F
Preparation: N/A

LCS Lab Sample ID: LCS 660-96052/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/17/2010 1640
Date Prepared: N/A

Analysis Batch: 660-96052
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 660-96052/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/17/2010 1640
Date Prepared: N/A

Analysis Batch: 660-96052
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Sulfide	98	98	75 - 125	0	25		

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

660 - 35805

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: J. Jacobs, S. Hodges E+E inc	Lab PM: Fritz, Tina	Carrier Tracking No(s):	COC No: 660-29694.2
Client Contact: Ms. Stacy Foster	Phone: 561-640-6552	E-Mail: tina.fritz@testamericainc.com		Page: Page 2 of 4
Company: Florida Power & Light Company				Job #:

Address: 700 Universe Blvd (GPA/JB)	Due Date Requested:	Analysis Requested
City: Juno Beach	TAT Requested (days):	
State, Zip: FL, 33408		
Phone:	PO #: Purchase Order Requested	
Email: Stacy_foster@fpl.com	WO #:	
Project Name: FPL Turkey Point (SA GW no Nutrients)	Project #: 66003641	
Site:	SSOW#:	

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT - Hydrogen, Oxygen	6010B	SM4500_S2_F - Sulfide	2320B, 300.0_28D	2540C - Total Dissolved Solids	Subcontract - Carbon	DIC	DOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	CB	N	N	N	N	A		
061610 TPGW- 5D	06-16-10	13:36	G	Water	X		1	1	1	1	1	1	1	1		
061610 TPGW- 5M	06-16-10	14:45	G	Water	X		1	1	1	1	1	1	1	1		
061610 TPGW- 5S	06-16-10	12:30	G	Water	X		1	1	1	1	1	1	1	1		
TPGW-				Water												
TPGW-				Water												
TPGW-				Water												
TPGW-				Water												
TPGW-				Water												
TPGW-				Water												
TPGW-				Water												
TPGW-				Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Steve Elliott	Date/Time: 6/16/10 1740	Company E+E	Received by:	Date/Time: 6/16/10 1740	Company TAL
Relinquished by:	Date/Time:	Company	Received by: Carol McNulty	Date/Time: 6/17/10 0840	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.1°C Cal07

Serial Number 015280

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
UNIV OF MIAMI STABLE ISOTOPE LAB
ROSENSTEL School of Marine Atmospheric Science
4600 Rickenbacker Causeway
Miami, FL 33149
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO. 660-35805	PROJECT LOCATION (STATE) FL	MATRIX TYPE	REQUIRED ANALYSIS	PAGE	OF
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.			STANDARD REPORT DELIVERY ○	
CLIENT (SITE) PM Amy Atkins	CLIENT PHONE	CLIENT FAX			DATE DUE	
CLIENT NAME Test America Tampa	CLIENT E-MAIL				EXPEDITED REPORT DELIVERY (SURCHARGE) ○	
CLIENT ADDRESS					DATE DUE	
COMPANY CONTRACTING THIS WORK (if applicable)				1 PRESERVATIVES	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	Carbon Isotopes	NUMBER OF CONTAINERS SUBMITTED	REMARKS
6/16/10	1336	061610-TPGW-5D		X					1	
"	1445	061610-TPGW-5M		X					1	
"	1230	061610-TPGW-5S		X					1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Carol McNulty	6/17/10	1700			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ○ NO ○	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS

TAL8240-660 (0209)

Serial Number 015281

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

FAM
TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location: UNIV OF MIAMI-LAB OF STABLE ISOTOPE ECOLOGY INTROPICAL ECOSYSTEMS L-7 DEPT OF BIOLOGY CORAL GABLES FL 33124 ATTN DR LIONEL STERNBERG
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO. 660-35815	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS	PAGE	OF
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.				
CLIENT (SITE) PM Amy Atkins	CLIENT PHONE	CLIENT FAX				
CLIENT NAME Test America Tampa	CLIENT E-MAIL					
CLIENT ADDRESS						
COMPANY CONTRACTING THIS WORK (if applicable)						

STANDARD REPORT DELIVERY ( )
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ( )
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	Hydrogen + Oxygen Isotopes	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
6/16/10	1336	061610 - TPGW-5D		X				1		1	
1	1445	061610 - TPGW-5M		X				1		1	
1	1230	061610 - TPGW-5S		X				1		1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS			Carol McNulty	6/17/10	1700			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
EMPTY CONTAINERS								

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES ( ) NO ( )	CUSTODY SEAL NO.	TAMPA LOG NO.	COOLER TEMP. UPON RECEIPT	LABORATORY REMARKS

35805

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	SITE LOCATION: Turkey Point	
WELL NO: TP6W-5D	SAMPLE ID: 061610-TP6W-50	DATE: 6/16/10

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16 ID 1/4" OD	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: Pump (peristaltic)

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) soft tubing = gallons + (0.014 gallons/foot X 70 feet) + gallons = 0.98 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 12:15	PURGING ENDED AT: 13:09	TOTAL VOLUME PURGED (gallons): 4.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
12:31	1 gal	1 gal	0.1	4.9	6.82	24.85	30.20	3.5	3.58	clear	None	
12:39	0.6	1.6	0.1		6.82	24.80	30.20	4.2 (0.31 mg/L)	0.04	clear	None	1.1
12:45	0.8	2.25	0.12		6.83	24.80	30.20	6.9 (.49 mg/L)	0.01	clear	None	-1.8
12:51	0.45	2.70	0.1	5.13	6.84	24.81	30.19	4.7 (0.35 mg/L)	0.11	clear	None	-3.4
12:56	0.5	3.20	0.10	5.14	6.85	24.84	30.18	4.3 (.32 mg/L)	0.15	clear	None	-5.7
1:02	0.4	3.6	0.08	5.14	6.85	24.76	30.17	4.3 (0.32 mg/L)	0.27	clear	None	-7.1
1:07	0.6	4.2	0.1	5.14	6.85	24.69	29.98	4.0 (0.30 mg/L)	0.46	clear	None	-8.5

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jessica Jacobs/Steve Hodges	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:36	SAMPLING ENDED AT: 14:00

PUMP OR TUBING DEPTH IN WELL (feet): 70ft	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: 45 µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	PE	1L	—	1L		Alk, Cl, SO4, Br	APP	50-100
	2	PE	125mL	—	125mL		Carbon / Hg (1631)	APP	0-100
	2	PE	500mL	— / 50% NaOH	500mL	10	TDS / Silica	APP	0-100
	1	PE	250mL	Nitric	250mL	2	Metals	APP	0-100
	2	PE	250mL	— / Nitric	250mL		Triton / Strontium	APP	0-100
	1	AG	250mL	Hydrochloric Acid	250mL	3	DOC	APP	0-100
REMARKS: + 1	CG CG	~~40mL~~ 40mL			~~40mL~~ 40mL		~~DIC~~ DIC	APP	0-100

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

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

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 °C **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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TPGW-5m	SITE LOCATION:
WELL NO:	SAMPLE ID: / DATE: 06-16-10

PURGING DATA

WELL DIAMETER (inches): 2" | TUBING DIAMETER (inches): 3/16 3/8" | WELL SCREEN INTERVAL DEPTH: 45 feet to 50 feet | STATIC DEPTH TO WATER (feet): | PURGE PUMP TYPE OR BAILER: Peristaltic

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (0.0014 gallons/foot X 60 feet) + gallons = 0.084 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): | FINAL PUMP OR TUBING DEPTH IN WELL (feet): | PURGING INITIATED AT: 1400 | PURGING ENDED AT: 1440 | TOTAL VOLUME PURGED (gallons): 4.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
14:14	2.75g	2.75g	0.2	4.85	6.97	24.7°	21.22	14.1% (1.09)	1.48	None	None	-157.4
14:24	1.25g	4g	.125	4.82	6.95	24.56	21.24	1.2% (0.09)	0.33	"	"	-160.0
14:30	.5g	4.5g	.08		6.93	24.56	21.29	1.1 (0.08)	0.42	"	"	-160.3
14:35	.25g	4.75g	.05	4.80	6.92	24.61	21.36	1.1 (0.08)	0.16	"	"	-162

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Jacobs / S. Hodges, E+E Inc | SAMPLER(S) SIGNATURE(S): [signature] | SAMPLING INITIATED AT: 14:45 | SAMPLING ENDED AT: 15:15

PUMP OR TUBING DEPTH IN WELL (feet): 60 | TUBING MATERIAL CODE: T | FIELD-FILTERED: (Y) N | Filtration Equipment Type: | FILTER SIZE: .45 µm

FIELD DECONTAMINATION: PUMP Y (N) | TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	PE	1L	—	1 L		Alk, SO4, Cl, Br	APP	0.2
	2	PE	125mL	—	125 mL		Carbon/Hydrogen Oxygen	APP	0.2
	2	PE	500mL	– / Zn acetate NaOH	500 mL		TDS/S/F/Br	APP	0.2
	1	PE	250mL	Nitric	250 mL		metals	APP	0.2
	2	PE	250mL	– / Nitric	250 mL		Tritium/Strontium	APP	0.2
	1	AG	250mL	Hydrochloric Acid	250 mL		DOC	APP	0.2

REMARKS: 1 CG 40mL — 40mL DIC APP

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

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

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 °C **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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	SITE LOCATION: Turkey Point
WELL NO: TPGW-5S	SAMPLE ID: 061610-TPGW-5S
	DATE: 6/16/10

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16"ID 1/4"OD	WELL SCREEN INTERVAL DEPTH: 24 feet to 28 feet	STATIC DEPTH TO WATER (feet): 4.69	PURGE PUMP TYPE OR BAILER: Pump (peristaltic)

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) 30ft tubing = gallons + (0.014 gallons/foot X 30 feet) + gallons = 0.042 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1100	PURGING ENDED AT: 1228	TOTAL VOLUME PURGED (gallons): 6.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1115	1 gal	1 gal	0.2	4.69	9.65	27.90	0.739	2.1 % (0.17)		Colorless	none	-88.1
1122	0.55 gal	1.55 gal	0.2	4.69	8.67	25.51	0.820	1.2% (0.10)				-203.4
1133	1 gal	2.55 gal	0.2	4.69	8.29	25.84	0.908	1.0% (0.08)	9.36 mV			-247.2
1145	.75 gal	3.25 gal	0.2	4.69	8.04	25.81	0.938	2.2 % (0.17)	8.37 mV			-215.3
1153	.75 gal	4.0 gal	0.2	4.70	7.77	25.67	0.949	1.0 % (0.08)	5.86 mV			-188.3
1202	.25 gal	4.25	0.2	4.69	7.58	25.78	0.952	0.9 (0.07)	6.58 mV			-176.1
1227	2.00	6.25	0.2		7.47	25.80	0.958	1.2 (0.10)	5.27 mV			-175.1

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1230	SAMPLING ENDED AT: 1300
Jessica Jacobs / E & E, INC.			

PUMP OR TUBING DEPTH IN WELL (feet): 28	TUBING MATERIAL CODE: T	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 45 µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1 L	—	1 L	~~10~~	Alk, Cl, SO4, F, Br	APP	0.2
	2	PE	500 mL	ZN ACETATE NaOH + NONE	500 mL	10	Sulfide / TDS	APP	0.2
	2	PE	125mL	—	125 mL	—	Carbon / Hydrocarbons	APP	0.2
	1	PE	250mL	NITRIC ACID	250 mL	2	Metals	APP	0.2
	2	PE	250	—/NITRIC	250 mL	—	Tritium / Strontium	APP	0.2
	1	AG	250mL	HCL	250mL	3	DOC	APP	0.2
REMARKS:	1	CG	40 mL	—	40 mL	—	DIC	APP	0.2

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

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

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 °C **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)

Revision Date: February 12, 2009

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35805-1
SDG Number: 35805

Login Number: 35805
List Source: TestAmerica Tampa
Creator: McNulty, Carol
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	1.1 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	no Hg required per PM
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35805-1
SDG Number: 35805

Login Number: 35805
Creator: Daughtry, Beth
List Number: 1

List Source: TestAmerica Savannah
List Creation: 06/18/10 12:27 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35805-1
SDG Number: 35805

Login Number: 35805
Creator: Archie, Datiska
List Number: 1

List Source: TestAmerica Tallahassee
List Creation: 06/18/10 10:57 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 660-35970-1

SDG Number: 35970

Job Description: FPL Turkey Point Analytical Services

For:
Florida Power & Light Company
Technical Services - PGD Environmental
Water Compliance/Permitting
700 Universe Blvd (JES/JB)
Juno Beach, FL 33408

Attention: Ms. Stacy Foster

Approved for release.
Amy Atkins
Project Manager I
8/3/2010 1:30 PM

Amy Atkins
Project Manager I
amy.atkins@testamericainc.com
08/03/2010

cc: Ms. Sharon Ewe

Methods: FDEP, DOH Certification #: TestAmerica Tampa E84282; TestAmerica Tallahassee E81005; TestAmerica Savannah E87052 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

TestAmerica Laboratories, Inc.
TestAmerica Tampa 6712 Benjamin Road, Suite 100, Tampa, FL 33634
Tel (813) 885-7427 Fax (813) 885-7049 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Job Narrative
660-35970-1

Receipt
All samples were received in good condition within temperature requirements.

6010B
The matrix spike duplicate (MSD) recovery for Calcium in batch 660-96604 was outside control limits with the sample greater than 4x the spike level. The associated laboratory control sample (LCS) recovery met acceptance criteria.

300.0
The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Chloride in batch 96989 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

300.0
Due to analyst error the matrix spike / matrix spike duplicate (MS/MSD) was not analyzed with the parent sample at a dilution that was reportable. The associated laboratory control sample (LCS) recovery met acceptance criteria.

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35970-1	**062510-TPGW-8M**				
Field pH		7.06		SU	Field Sampling
Field Temperature		25.29		Degrees C	Field Sampling
Oxygen, Dissolved		10.9		mg/L	Field Sampling
Specific Conductance		544		umhos/cm	Field Sampling
Turbidity		1.18		NTU	Field Sampling
Bromide		0.18	0.050	mg/L	300.0
Chloride		33	0.50	mg/L	300.0
Fluoride		0.068	0.050	mg/L	300.0
Sulfate		43	0.50	mg/L	300.0
Alkalinity		230	1.0	mg/L	SM 2320B
Total Dissolved Solids		350	5.0	mg/L	SM 2540C
Dissolved					
Dissolved Inorganic Carbon-Dissolved		51	1.0	mg/L	9060
Total Recoverable					
Iron		550	500	ug/L	200.7 Rev 4.4
Boron		63	50	ug/L	6010B
Calcium		110	0.50	mg/L	6010B
Potassium		9.2	1.0	mg/L	6010B
Strontium		1100	5.0	ug/L	6010B
Magnesium		3.8	0.080	mg/L	6010B
Sodium		20	0.50	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-35970-2	**062510-TPGW-8D**					
Field pH		7.10			SU	Field Sampling
Field Temperature		25.23			Degrees C	Field Sampling
Oxygen, Dissolved		1.6			mg/L	Field Sampling
Specific Conductance		599			umhos/cm	Field Sampling
Turbidity		4.04			NTU	Field Sampling
Bromide		0.26		0.050	mg/L	300.0
Chloride		47		0.50	mg/L	300.0
Fluoride		0.047	I	0.050	mg/L	300.0
Sulfate		49		0.50	mg/L	300.0
Alkalinity		220		1.0	mg/L	SM 2320B
Total Dissolved Solids		370		5.0	mg/L	SM 2540C
Dissolved						
Dissolved Inorganic Carbon-Dissolved		49		1.0	mg/L	9060
Total Recoverable						
Barium		12	I	100	ug/L	200.7 Rev 4.4
Iron		310	I	500	ug/L	200.7 Rev 4.4
Boron		69		50	ug/L	6010B
Calcium		110		0.50	mg/L	6010B
Potassium		8.5		1.0	mg/L	6010B
Strontium		1100		5.0	ug/L	6010B
Magnesium		6.2		0.080	mg/L	6010B
Sodium		31		0.50	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-35970-3	**062510-TPGW-9S**					
Field pH		7.13			SU	Field Sampling
Field Temperature		25.82			Degrees C	Field Sampling
Oxygen, Dissolved		2.6			mg/L	Field Sampling
Specific Conductance		556			umhos/cm	Field Sampling
Turbidity		9.27			NTU	Field Sampling
Bromide		0.30		0.050	mg/L	300.0
Chloride		23		0.50	mg/L	300.0
Sulfate		18		0.50	mg/L	300.0
Alkalinity		250		1.0	mg/L	SM 2320B
Total Dissolved Solids		330		5.0	mg/L	SM 2540C
Sulfide		1.1		1.0	mg/L	SM 4500 S2 F
Dissolved						
Dissolved Inorganic Carbon-Dissolved		62		1.0	mg/L	9060
Total Recoverable						
Barium		12	I	100	ug/L	200.7 Rev 4.4
Iron		190	I	500	ug/L	200.7 Rev 4.4
Boron		47	I	50	ug/L	6010B
Calcium		120		0.50	mg/L	6010B
Potassium		11		1.0	mg/L	6010B
Strontium		990		5.0	ug/L	6010B
Magnesium		2.9		0.080	mg/L	6010B
Sodium		14		0.50	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-35970-4	**062510-TPGW-9M**					
Field pH		6.99			SU	Field Sampling
Field Temperature		25.10			Degrees C	Field Sampling
Oxygen, Dissolved		1.5			mg/L	Field Sampling
Specific Conductance		563			umhos/cm	Field Sampling
Turbidity		8.49			NTU	Field Sampling
Bromide		0.29		0.050	mg/L	300.0
Chloride		25		0.50	mg/L	300.0
Fluoride		0.038	I	0.050	mg/L	300.0
Sulfate		24		0.50	mg/L	300.0
Alkalinity		270		1.0	mg/L	SM 2320B
Total Dissolved Solids		350		5.0	mg/L	SM 2540C
Dissolved						
Dissolved Inorganic Carbon-Dissolved		60		1.0	mg/L	9060
Total Recoverable						
Iron		600		500	ug/L	200.7 Rev 4.4
Boron		48	I	50	ug/L	6010B
Calcium		120		0.50	mg/L	6010B
Potassium		6.7		1.0	mg/L	6010B
Strontium		990		5.0	ug/L	6010B
Magnesium		3.1		0.080	mg/L	6010B
Sodium		15		0.50	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-35970-5	**062510-TPGW-9D**					
Field pH		6.99			SU	Field Sampling
Field Temperature		25.09			Degrees C	Field Sampling
Oxygen, Dissolved		2.4			mg/L	Field Sampling
Specific Conductance		564			umhos/cm	Field Sampling
Turbidity		0.83			NTU	Field Sampling
Bromide		0.41		0.050	mg/L	300.0
Chloride		30		0.50	mg/L	300.0
Fluoride		0.062		0.050	mg/L	300.0
Sulfate		33		0.50	mg/L	300.0
Alkalinity		250		1.0	mg/L	SM 2320B
Total Dissolved Solids		360		5.0	mg/L	SM 2540C
Dissolved						
Dissolved Inorganic Carbon-Dissolved		58		1.0	mg/L	9060
Total Recoverable						
Barium		23	I	100	ug/L	200.7 Rev 4.4
Iron		760		500	ug/L	200.7 Rev 4.4
Boron		48	I	50	ug/L	6010B
Calcium		110		0.50	mg/L	6010B
Potassium		3.3		1.0	mg/L	6010B
Strontium		1100		5.0	ug/L	6010B
Magnesium		3.6		0.080	mg/L	6010B
Sodium		22		0.50	mg/L	6010B

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL TAL	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL TAL		EPA 200.7
Metals (ICP)	TAL TAM	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL TAM		SW846 3005A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Carbon, Dissolved and Dissolved Inorganic	TAL SAV	SW846 9060	
Sample Filtration, Field	TAL SAV		FIELD_FLTRD
Alkalinity	TAL TAM	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL TAM	SM SM 2540C	
Sulfide, Total	TAL TAM	SM SM 4500 S2 F	
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAL = TestAmerica Tallahassee

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Method	Analyst	Analyst ID
EPA 200.7 Rev 4.4	Wallace, Tiffany B	TBW
SW846 6010B	Fox, Greg	GF
EPA Field Sampling	Sampler, Field	FS
MCAWW 300.0	Sengsouvanna, Dom	DS
SW846 9060	Blackshear, Kim	KB
SM SM 2320B	Steward, Tiffany	TS
SM SM 2540C	Oonnoonny, Thomas	TO
SM SM 4500 S2 F	Mostafavifar, Efe	EM

SAMPLE SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-35970-1	062510-TPGW-8M	Water	06/25/2010 1225	06/26/2010 0830
660-35970-2	062510-TPGW-8D	Water	06/25/2010 1200	06/26/2010 0830
660-35970-3	062510-TPGW-9S	Water	06/25/2010 1030	06/26/2010 0830
660-35970-4	062510-TPGW-9M	Water	06/25/2010 0955	06/26/2010 0830
660-35970-5	062510-TPGW-9D	Water	06/25/2010 0930	06/26/2010 0830

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Client Sample ID: **062510-TPGW-8M**

Lab Sample ID: 660-35970-1
Client Matrix: Water

Date Sampled: 06/25/2010 1225
Date Received: 06/26/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571		Lab File ID:	071310.csv
Dilution:	1.0			Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 0941			Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	9.6	U	9.6	100
Iron	550		46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1742			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1007				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	110		0.10	0.50
Potassium	9.2		0.19	1.0
Magnesium	3.8		0.020	0.080
Sodium	20		0.31	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	63		10	50
Strontium	1100		1.0	5.0

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Client Sample ID: **062510-TPGW-8D**

Lab Sample ID: 660-35970-2
Client Matrix: Water

Date Sampled: 06/25/2010 1200
Date Received: 06/26/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571		Lab File ID:	071310.csv
Dilution:	1.0			Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 0944			Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	12	I	9.6	100
Iron	310	I	46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1749			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1007				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	110		0.10	0.50
Potassium	8.5		0.19	1.0
Magnesium	6.2		0.020	0.080
Sodium	31		0.31	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	69		10	50
Strontium	1100		1.0	5.0

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Client Sample ID: **062510-TPGW-9S**

Lab Sample ID: 660-35970-3
Client Matrix: Water

Date Sampled: 06/25/2010 1030
Date Received: 06/26/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571		Lab File ID:	071310.csv
Dilution:	1.0			Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 0948			Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	12	I	9.6	100
Iron	190	I	46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1755			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1007				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	120		0.10	0.50
Potassium	11		0.19	1.0
Magnesium	2.9		0.020	0.080
Sodium	14		0.31	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	47	I	10	50
Strontium	990		1.0	5.0

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Client Sample ID: **062510-TPGW-9M**

Lab Sample ID: 660-35970-4
Client Matrix: Water

Date Sampled: 06/25/2010 0955
Date Received: 06/26/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571		Lab File ID:	071310.csv
Dilution:	1.0			Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 0951			Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	9.6	U	9.6	100
Iron	600		46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1801			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1007				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	120		0.10	0.50
Potassium	6.7		0.19	1.0
Magnesium	3.1		0.020	0.080
Sodium	15		0.31	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	48	I	10	50
Strontium	990		1.0	5.0

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Client Sample ID: **062510-TPGW-9D**

Lab Sample ID: 660-35970-5
Client Matrix: Water

Date Sampled: 06/25/2010 0930
Date Received: 06/26/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571		Lab File ID:	071310.csv
Dilution:	1.0			Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 0955			Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	23	I	9.6	100
Iron	760		46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1807			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1010				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	110		0.10	0.50
Potassium	3.3		0.19	1.0
Magnesium	3.6		0.020	0.080
Sodium	22		0.31	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	48	I	10	50
Strontium	1100		1.0	5.0

General Chemistry

Client Sample ID: **062510-TPGW-8M**

Lab Sample ID: 660-35970-1
Client Matrix: Water

Date Sampled: 06/25/2010 1225
Date Received: 06/26/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	0.18		mg/L	0.027	0.050	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/09/2010 0629						
Chloride	33		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/09/2010 0629						
Fluoride	0.068		mg/L	0.020	0.050	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/09/2010 0629						
Sulfate	43		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/09/2010 0629						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	51		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959						
Alkalinity	230		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1120						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1120						
Total Dissolved Solids	350		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-96652	Date Analyzed: 06/30/2010 1617						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130						

General Chemistry

Client Sample ID: **062510-TPGW-8D**

Lab Sample ID: 660-35970-2
Client Matrix: Water

Date Sampled: 06/25/2010 1200
Date Received: 06/26/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	0.26		mg/L	0.027	0.050	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/09/2010 0651						
Chloride	47		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/09/2010 0651						
Fluoride	0.047	I	mg/L	0.020	0.050	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/09/2010 0651						
Sulfate	49		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/09/2010 0651						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	49		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959						
Alkalinity	220		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1125						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1125						
Total Dissolved Solids	370		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-96652	Date Analyzed: 06/30/2010 1617						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130						

General Chemistry

Client Sample ID: **062510-TPGW-9S**

Lab Sample ID: 660-35970-3
Client Matrix: Water

Date Sampled: 06/25/2010 1030
Date Received: 06/26/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	0.30		mg/L	0.027	0.050	1.0	300.0
Analysis Batch: 660-97030	Date Analyzed: 07/09/2010 0901						
Chloride	23		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-97030	Date Analyzed: 07/09/2010 0901						
Fluoride	0.020	U	mg/L	0.020	0.050	1.0	300.0
Analysis Batch: 660-97030	Date Analyzed: 07/09/2010 0901						
Sulfate	18		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-97030	Date Analyzed: 07/09/2010 0901						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	62		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959						
Alkalinity	250		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1131						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1131						
Total Dissolved Solids	330		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-96652	Date Analyzed: 06/30/2010 1617						
Sulfide	1.1		mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130						

General Chemistry

Client Sample ID: **062510-TPGW-9M**

Lab Sample ID: 660-35970-4
Client Matrix: Water

Date Sampled: 06/25/2010 0955
Date Received: 06/26/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	0.29		mg/L	0.027	0.050	1.0	300.0
Analysis Batch: 660-97030	Date Analyzed: 07/09/2010 0923						
Chloride	25		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-97030	Date Analyzed: 07/09/2010 0923						
Fluoride	0.038	I	mg/L	0.020	0.050	1.0	300.0
Analysis Batch: 660-97030	Date Analyzed: 07/09/2010 0923						
Sulfate	24		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-97030	Date Analyzed: 07/09/2010 0923						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	60		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959						
Alkalinity	270		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1138						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1138						
Total Dissolved Solids	350		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-96652	Date Analyzed: 06/30/2010 1617						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130						

General Chemistry

Client Sample ID: **062510-TPGW-9D**

Lab Sample ID: 660-35970-5
Client Matrix: Water

Date Sampled: 06/25/2010 0930
Date Received: 06/26/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	0.41		mg/L	0.027	0.050	1.0	300.0
Analysis Batch: 660-97030	Date Analyzed: 07/09/2010 0945						
Chloride	30		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-97030	Date Analyzed: 07/09/2010 0945						
Fluoride	0.062		mg/L	0.020	0.050	1.0	300.0
Analysis Batch: 660-97030	Date Analyzed: 07/09/2010 0945						
Sulfate	33		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-97030	Date Analyzed: 07/09/2010 0945						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	58		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959						
Alkalinity	250		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1144						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1144						
Total Dissolved Solids	360		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-96652	Date Analyzed: 06/30/2010 1617						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130						

Field Service / Mobile Lab

Client Sample ID: **062510-TPGW-8M**

Lab Sample ID: 660-35970-1
Client Matrix: Water

Date Sampled: 06/25/2010 1225
Date Received: 06/26/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.06		SU	1.0	Field Sampling	660-97058	06/25/2010 1225
Field Temperature	25.29		Degrees C	1.0	Field Sampling	660-97058	06/25/2010 1225
Oxygen, Dissolved	10.9		mg/L	1.0	Field Sampling	660-97058	06/25/2010 1225
Specific Conductance	544		umhos/cm	1.0	Field Sampling	660-97058	06/25/2010 1225
Turbidity	1.18		NTU	1.0	Field Sampling	660-97058	06/25/2010 1225

Field Service / Mobile Lab

Client Sample ID: **062510-TPGW-8D**

Lab Sample ID: 660-35970-2
Client Matrix: Water

Date Sampled: 06/25/2010 1200
Date Received: 06/26/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.10		SU	1.0	Field Sampling	660-97058	06/25/2010 1200
Field Temperature	25.23		Degrees C	1.0	Field Sampling	660-97058	06/25/2010 1200
Oxygen, Dissolved	1.6		mg/L	1.0	Field Sampling	660-97058	06/25/2010 1200
Specific Conductance	599		umhos/cm	1.0	Field Sampling	660-97058	06/25/2010 1200
Turbidity	4.04		NTU	1.0	Field Sampling	660-97058	06/25/2010 1200

Field Service / Mobile Lab

Client Sample ID: **062510-TPGW-9S**

Lab Sample ID: 660-35970-3
Client Matrix: Water

Date Sampled: 06/25/2010 1030
Date Received: 06/26/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.13		SU	1.0	Field Sampling	660-97058	06/25/2010 1030
Field Temperature	25.82		Degrees C	1.0	Field Sampling	660-97058	06/25/2010 1030
Oxygen, Dissolved	2.6		mg/L	1.0	Field Sampling	660-97058	06/25/2010 1030
Specific Conductance	556		umhos/cm	1.0	Field Sampling	660-97058	06/25/2010 1030
Turbidity	9.27		NTU	1.0	Field Sampling	660-97058	06/25/2010 1030

Field Service / Mobile Lab

Client Sample ID: **062510-TPGW-9M**

Lab Sample ID: 660-35970-4
Client Matrix: Water

Date Sampled: 06/25/2010 0955
Date Received: 06/26/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.99		SU	1.0	Field Sampling	660-97058	06/25/2010 0955
Field Temperature	25.10		Degrees C	1.0	Field Sampling	660-97058	06/25/2010 0955
Oxygen, Dissolved	1.5		mg/L	1.0	Field Sampling	660-97058	06/25/2010 0955
Specific Conductance	563		umhos/cm	1.0	Field Sampling	660-97058	06/25/2010 0955
Turbidity	8.49		NTU	1.0	Field Sampling	660-97058	06/25/2010 0955

Field Service / Mobile Lab

Client Sample ID: **062510-TPGW-9D**

Lab Sample ID: 660-35970-5
Client Matrix: Water

Date Sampled: 06/25/2010 0930
Date Received: 06/26/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.99		SU	1.0	Field Sampling	660-97058	06/25/2010 0930
Field Temperature	25.09		Degrees C	1.0	Field Sampling	660-97058	06/25/2010 0930
Oxygen, Dissolved	2.4		mg/L	1.0	Field Sampling	660-97058	06/25/2010 0930
Specific Conductance	564		umhos/cm	1.0	Field Sampling	660-97058	06/25/2010 0930
Turbidity	0.83		NTU	1.0	Field Sampling	660-97058	06/25/2010 0930

DATA REPORTING QUALIFIERS

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Lab Section	Qualifier	Description
Metals		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Method Blank - Batch: 640-70571

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

Lab Sample ID: MB 640-70571/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0852
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70850
Prep Batch: 640-70571
Units: ug/L

Instrument ID: ICP2
Lab File ID: 071310.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Barium	0.96	U	0.96	10
Iron	4.6	U	4.6	50

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-70571

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

LCS Lab Sample ID: LCS 640-70571/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0856
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70850
Prep Batch: 640-70571
Units: ug/L

Instrument ID: ICP2
Lab File ID: 071310.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-70571/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0859
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70850
Prep Batch: 640-70571
Units: ug/L

Instrument ID: ICP2
Lab File ID: 071310.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Barium	101	102	85 - 115	1	20		
Iron	102	103	85 - 115	1	20		

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-70571

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

MS Lab Sample ID:	660-36031-B-1-B MS	Analysis Batch: 640-70850	Instrument ID: ICP2
Client Matrix:	Water	Prep Batch: 640-70571	Lab File ID: 071310.csv
Dilution:	1.0		Initial Weight/Volume: 5.0 mL
Date Analyzed:	07/13/2010 0910		Final Weight/Volume: 50 mL
Date Prepared:	07/06/2010 1100		

MSD Lab Sample ID:	660-36031-B-1-C MSD	Analysis Batch: 640-70850	Instrument ID: ICP2
Client Matrix:	Water	Prep Batch: 640-70571	Lab File ID: 071310.csv
Dilution:	1.0		Initial Weight/Volume: 5.0 mL
Date Analyzed:	07/13/2010 0913		Final Weight/Volume: 50 mL
Date Prepared:	07/06/2010 1100		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	101	98	70 - 130	2	20		
Iron	99	96	70 - 130	3	20		

Duplicate - Batch: 640-70571

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

Lab Sample ID:	660-36031-B-2-B DU	Analysis Batch: 640-70850	Instrument ID: ICP2
Client Matrix:	Water	Prep Batch: 640-70571	Lab File ID: 071310.csv
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 5.0 mL
Date Analyzed:	07/13/2010 0934		Final Weight/Volume: 50 mL
Date Prepared:	07/06/2010 1100		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Barium	130	123	2	20	
Iron	8600	8340	3	20	

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Method Blank - Batch: 660-96604

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 660-96604/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1250
Date Prepared: 06/30/2010 1004

Analysis Batch: 660-97236
Prep Batch: 660-96604
Units: mg/L

Instrument ID: ICPA
Lab File ID: 10G15A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Calcium	0.10	U	0.10	0.50
Potassium	0.19	U	0.19	1.0
Magnesium	0.020	U	0.020	0.080
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-96604

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 660-96604/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1250
Date Prepared: 06/30/2010 1004

Analysis Batch: 660-97236
Prep Batch: 660-96604
Units: ug/L

Instrument ID: ICPA
Lab File ID: 10G15A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Boron	10	U	10	50
Strontium	1.0	U	1.0	5.0

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Lab Control Sample - Batch: 660-96604

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-96604/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1256
Date Prepared: 06/30/2010 1004

Analysis Batch: 660-97236
Prep Batch: 660-96604
Units: mg/L

Instrument ID: ICPA
Lab File ID: 10G15A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	1.00	1.05	105	75 - 125	
Potassium	10.0	10.1	101	75 - 125	
Magnesium	1.00	1.03	103	75 - 125	
Sodium	10.0	9.85	98	75 - 125	

Lab Control Sample - Batch: 660-96604

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-96604/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1256
Date Prepared: 06/30/2010 1004

Analysis Batch: 660-97236
Prep Batch: 660-96604
Units: ug/L

Instrument ID: ICPA
Lab File ID: 10G15A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Boron	1000	1020	102	75 - 125	
Strontium	1000	1070	107	75 - 125	

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96604

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	660-36004-B-9-B MS	Analysis Batch: 660-97236	Instrument ID: ICPA
Client Matrix:	Water	Prep Batch: 660-96604	Lab File ID: 10G15A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/15/2010 1314		Final Weight/Volume: 50 mL
Date Prepared:	06/30/2010 1004		

MSD Lab Sample ID:	660-36004-B-9-C MSD	Analysis Batch: 660-97236	Instrument ID: ICPA
Client Matrix:	Water	Prep Batch: 660-96604	Lab File ID: 10G15A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/15/2010 1320		Final Weight/Volume: 50 mL
Date Prepared:	06/30/2010 1004		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	93	250	75 - 125	1	20		J3
Potassium	111	113	75 - 125	2	20		
Magnesium	103	108	75 - 125	2	20		
Sodium	104	92	75 - 125	8	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96604

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	660-36004-B-9-B MS	Analysis Batch: 660-97236	Instrument ID: ICPA
Client Matrix:	Water	Prep Batch: 660-96604	Lab File ID: 10G15A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/15/2010 1314		Final Weight/Volume: 50 mL
Date Prepared:	06/30/2010 1004		

MSD Lab Sample ID:	660-36004-B-9-C MSD	Analysis Batch: 660-97236	Instrument ID: ICPA
Client Matrix:	Water	Prep Batch: 660-96604	Lab File ID: 10G15A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/15/2010 1320		Final Weight/Volume: 50 mL
Date Prepared:	06/30/2010 1004		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Boron	104	105	75 - 125	1	20		
Strontium	107	109	75 - 125	2	20		

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Method Blank - Batch: 660-96989

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96989/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 2001
Date Prepared: N/A

Analysis Batch: 660-96989
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 21.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Result	Qual	MDL	PQL
Bromide	0.027	U	0.027	0.050
Chloride	0.20	U	0.20	0.50
Fluoride	0.020	U	0.020	0.050
Sulfate	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-96989

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96989/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 2022
Date Prepared: N/A

Analysis Batch: 660-96989
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 22.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	0.976	98	90 - 110	
Chloride	10.0	10.2	102	90 - 110	
Fluoride	1.00	0.950	95	90 - 110	
Sulfate	10.0	10.2	102	90 - 110	

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96989

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	660-36016-J-3 MS ^10	Analysis Batch: 660-96989	Instrument ID: DIONEX2
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 40.0000.TXT
Dilution:	10		Initial Weight/Volume:
Date Analyzed:	07/09/2010 0253		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-36016-J-3 MSD ^10	Analysis Batch: 660-96989	Instrument ID: DIONEX2
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 41.0000.TXT
Dilution:	10		Initial Weight/Volume:
Date Analyzed:	07/09/2010 0314		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromide	104	101	90 - 110	3	30		
Chloride	118	111	90 - 110	2	30	J3	J3
Fluoride	110	108	90 - 110	2	30		
Sulfate	109	103	90 - 110	3	30		

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Method Blank - Batch: 660-97030

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-97030/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 0818
Date Prepared: N/A

Analysis Batch: 660-97030
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 55.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Result	Qual	MDL	PQL
Bromide	0.027	U	0.027	0.050
Chloride	0.20	U	0.20	0.50
Fluoride	0.020	U	0.020	0.050
Sulfate	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-97030

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-97030/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 0840
Date Prepared: N/A

Analysis Batch: 660-97030
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 56.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	1.01	101	90 - 110	
Chloride	10.0	10.2	102	90 - 110	
Fluoride	1.00	0.991	99	90 - 110	
Sulfate	10.0	10.3	103	90 - 110	

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Method Blank - Batch: 680-173757

Method: 9060
Preparation: N/A

Lab Sample ID: MB 680-173757/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 0959
Date Prepared: N/A

Analysis Batch: 680-173757
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	PQL	PQL
Dissolved Inorganic Carbon-Dissolved	1.0	U	1.0	1.0
Dissolved Carbon-Dissolved	1.0	U	1.0	1.0

Lab Control Sample - Batch: 680-173757

Method: 9060
Preparation: N/A

Lab Sample ID: LCS 680-173757/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 0959
Date Prepared: N/A

Analysis Batch: 680-173757
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dissolved Inorganic Carbon-Dissolved	20.0	19.3	96		
Dissolved Carbon-Dissolved	20.0	19.3	96		

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Method Blank - Batch: 660-96877

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 660-96877/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1023
Date Prepared: N/A

Analysis Batch: 660-96877
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.7.10a.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Alkalinity	1.0	U	1.0	1.0

Lab Control Sample - Batch: 660-96877

Method: SM 2320B
Preparation: N/A

Lab Sample ID: LCS 660-96877/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1030
Date Prepared: N/A

Analysis Batch: 660-96877
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.7.10a.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	118	117	99	80 - 120	

Duplicate - Batch: 660-96877

Method: SM 2320B
Preparation: N/A

Lab Sample ID: 660-35970-5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1150
Date Prepared: N/A

Analysis Batch: 660-96877
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.7.10a.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Alkalinity	250		262	4	30	
Carbonate Alkalinity as CaCO3	1.0	U	1.0	NC	30	U

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Method Blank - Batch: 660-96652

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 660-96652/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2010 1617
Date Prepared: N/A

Analysis Batch: 660-96652
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Lab Control Sample - Batch: 660-96652

Method: SM 2540C
Preparation: N/A

Lab Sample ID: LCS 660-96652/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2010 1617
Date Prepared: N/A

Analysis Batch: 660-96652
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	10000	9990	100	80 - 120	

Duplicate - Batch: 660-96652

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 660-35951-E-3 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2010 1617
Date Prepared: N/A

Analysis Batch: 660-96652
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	56	58.0	4	20	

Client: Florida Power & Light Company

Job Number: 660-35970-1
Sdg Number: 35970

Method Blank - Batch: 660-96518

Method: SM 4500 S2 F
Preparation: N/A

Lab Sample ID: MB 660-96518/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2010 1130
Date Prepared: N/A

Analysis Batch: 660-96518
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	PQL	PQL
Sulfide	1.0	U	1.0	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 660-96518

Method: SM 4500 S2 F
Preparation: N/A

LCS Lab Sample ID: LCS 660-96518/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2010 1130
Date Prepared: N/A

Analysis Batch: 660-96518
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 660-96518/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2010 1130
Date Prepared: N/A

Analysis Batch: 660-96518
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Sulfide	96	98	75 - 125	2	25		

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

660-35970

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: J. Jacobs / S. Hodges	Lab PM: Atkins, Amy	Carrier Tracking No(s):	COC No: 660-29841.2
Client Contact: Ms. Stacy Foster	Phone: 561-640-6552	E-Mail: amy.atkins@testamericainc.com		Page: Page 2 of 2
Company: Florida Power & Light Company				Job #:

Address: 700 Universe Blvd (GPA/JB)	Due Date Requested:
City: Juno Beach	TAT Requested (days):
State, Zip: FL, 33408	
Phone: 772-285-5653(Tel)	PO #: Purchase Order Requested
Email: stacy.foster@fpl.com	WO #:
Project Name: FPL Turkey Point (SA GW no Nutrients)	Project #: 66003641
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT - Hydrogen, Oxygen /Carbon	245.1, 6010B	SM4500_S2_F - Sulfide	2320B, 300.0_28D	2540C - Total Dissolved Solids	200.7 - Iron and Barium (Tally)	DOC	DIC	Total Number of containers	Special Instructions/Note:
		Preservation Code:					N	D	CB	N	N	D	A	N		
062510 - TPGW- 8m	06/25/10	1225	G	Water	X		2	1	1	1	1		1	1	2	
80		1200			X		2	1	1	1	1		1	1	2	
9s		1030			X		2	1	1	1	1		1	1	2	
9m		0955			X		2	1	1	1	1		1	1	2	
90		0930			X		2	1	1	1	1		1	1	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
J Jacobs	06/25/10 13:43	FPL		6/25/10 1343	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				6-26-10 0830	TA-TP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2.5°C, 2.7°C

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 062510 - TPCrw-8m.	SITE LOCATION:
WELL NO:	SAMPLE ID:
	DATE: 06-25-10

PURGING DATA

WELL DIAMETER (inches): 2 in	TUBING DIAMETER (inches): 3/16 ID	WELL SCREEN INTERVAL DEPTH: 35 feet to 37 feet	STATIC DEPTH TO WATER (feet): 1.35	PURGE PUMP TYPE OR BAILER: PP

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0011 gallons/foot X 41 feet) + gallons = .057 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 36	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 34	PURGING INITIATED AT: 1142	PURGING ENDED AT: 1210	TOTAL VOLUME PURGED (gallons): 2.85

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	
1147	.60	.60	.12	7.04	1.30	25.44	.556	5.6 (.46)	7.64	Clear	none	-84.6
1157	.90	1.50	.09	1.30	7.05	25.29	.554	3.8 (.31)	2.19	"	"	-49.3
1205	1.0	2.50	.125	1.30	7.06	25.39	.594	10.9 (.89)	1.18	"	"	-59.4

0.20

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: S. Jacobs	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1225	SAMPLING ENDED AT: 1250
PUMP OR TUBING DEPTH IN WELL (feet): 36	TUBING MATERIAL CODE: T	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 45 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	PE	500 mL	NaOH/Zn Acetate	500	10	Sulfide	APP	0.125
	1	PE	250 mL	Nitric	250	1	Strontium	APP	"
	1	PE	250 mL	Nitric	250	2	Metals	APP	"
	1	AG	125 mL	HCl	125	2	DOC	APP	"

REMARKS:

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

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

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 °C **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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 062510 - TPGW-8D	SITE LOCATION:
WELL NO:	SAMPLE ID:
DATE: 06/25/10	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 49.5 feet to 635 feet	STATIC DEPTH TO WATER (feet): 1.2 Ft	PURGE PUMP TYPE OR BAILER: PP

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 56 feet) + gallons = .08 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 57	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 57	PURGING INITIATED AT: 1138	PURGING ENDED AT: 1155	TOTAL VOLUME PURGED (gallons): 2.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1136	0.75	0.75	0.125	1.20	7.06	25.39	0.601	3.0(.24)	5.90	Clear	—	-95.1
1143	0.75	1.50	0.107	1.20	7.09	25.03	.600	2.0(.16)	5.36	"	—	-103.0
1152	1.0	2.50	0.111	1.20	7.10	25.23	.599	1.6(.13)	4.04	"	—	-110.8

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JJacobs	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1200	SAMPLING ENDED AT: 1212
PUMP OR TUBING DEPTH IN WELL (feet): 57	TUBING MATERIAL CODE: T	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 45 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION						
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	500mL	NaOH/ZnAc	500	10	Sulfide	APP	0.111
	1	PE	250mL	HNO3	250	1	Strontium	APP	"
	1	PE	250mL	HNO3	250	1	metals	APP	"
	1	AG	125mL	HCl	125	2	DOC	APP	"

REMARKS:

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

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

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 °C **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)

Revision Date: February 12, 2009

062510-

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TPCTW-9S	SITE LOCATION:	
WELL NO:	SAMPLE ID:	DATE: 06/25/10

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/16 | WELL SCREEN INTERVAL DEPTH: 15 feet to 19 feet | STATIC DEPTH TO WATER (feet): 2.95 | PURGE PUMP TYPE OR BAILER: PP

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 23 feet) + gallons = 0.03 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18 | PURGING INITIATED AT: 0955 | PURGING ENDED AT: ~~1015~~ 1020 | TOTAL VOLUME PURGED (gallons): 2.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
10:04am	1 gal	1	.111	2.95	7.12	25.33	0.541 mS/cm	7.2% (0.59)	7.26	Clear	—	-78.3
10:12am	~~.75~~ .75 gal	1.75	.09	2.95	7.12	25.81	0.552	4.5 (0.36)	8.02	Clear	—	-95.7
10:22	.75g	2.50	.075	2.95	7.13	25.82	0.556	2.6 (.21)	9.27	"	"	-98.1

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Jacobs, S. Hodges E&E, Inc | SAMPLER(S) SIGNATURE(S): [signatures] | SAMPLING INITIATED AT: 1030 | SAMPLING ENDED AT: 1045 1048

PUMP OR TUBING DEPTH IN WELL (feet): 18 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Ⓨ N | FILTER SIZE: 45 μm | Filtration Equipment Type:

FIELD DECONTAMINATION: PUMP Y Ⓝ | TUBING Y Ⓝ(replaced) | DUPLICATE: Y Ⓝ

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	500 mL	NaOH/ZnAcet	500	10	Sulfide	APP	0.075
	1	PE	250 mL	Nitric	250	1	Strontium	APP	"
	1	PE	250 mL	Nitric	250	2	metals	APP	"
	1	AG	125 mL	HCl	125	2	DOC	APP	"

REMARKS: Please see analyze sample list for GW/out nutrients for remaining samples.

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

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

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 °C **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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 062510-TPGW-9M	SITE LOCATION:
WELL NO:	SAMPLE ID:
	DATE: 06/25/10

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/10	WELL SCREEN INTERVAL DEPTH: 34 feet to 36 feet	STATIC DEPTH TO WATER (feet): 2.9	PURGE PUMP TYPE OR BAILER: PP

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + gallons = .049 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35	PURGING INITIATED AT: 0904	PURGING ENDED AT: 0928	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
0910	0.75	0.75	.125	2.9	7.02	25.17	0.553	3.96(.32)	36.01	Clear	none	-126.8
0919	1.0	1.75	1.11	2.9	7.00	24.95	0.559	2.2(.18)	25.47	"	none	-127.8
0926	.75	2.50	.107	2.9	6.99	24.94	0.562	2.2(.18)	15.82	"	"	-131.8
0942	1.0	3.50	.063	2.9	6.99	25.23	0.564	2.3(.18)	9.23	"	"	-135.8
0946	.5	4.0	.125	2.9	6.99	25.10	0.563	1.5(.12)	8.49	"	"	-137.4

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J.Jacobs, S. Hodges E&E Inc	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0955	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet): 35	TUBING MATERIAL CODE: T	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 45 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (Replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	PE	500mL	NaOH/ZnAc	~~1000~~ 500	10	Sulfide	APP	.125
	1	PE	250 mL	Nitric	250	<2 X 1	Strontium	APP	"
	1	AG	125 mL	HCl	125	1	DOC	APP	"
	1	PE	250mL	Nitric	250	2	Metals	APP	"

REMARKS: Please see analyte sample 1587 for GW w/out nutrients for remaining samples

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

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

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 °C 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 062510- TPGW-9B	SITE LOCATION:	
WELL NO:	SAMPLE ID:	DATE: 06/25/10

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16" ID	WELL SCREEN INTERVAL DEPTH: 48 feet to 50 feet	STATIC DEPTH TO WATER (feet): 2.94	PURGE PUMP TYPE OR BAILER: PP

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.014 gallons/foot X 54 feet) + gallons = .075 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 49	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 49	PURGING INITIATED AT: 0852	PURGING ENDED AT: 0918	TOTAL VOLUME PURGED (gallons): 3.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
0858	.75	.75	.125	2.9	6.99	25.17	0.570	4.3 (.35)	0.75	clear	none	-14.6
0905	.95	1.70	.136	2.9	6.99	25.15	0.568	2.7 (.22)	0.62	"	"	-21.9
0910	1.30	3.0	.118	2.9	6.99	25.09	0.564	2.4 (.19)	0.83	"	"	-29.9

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J Secrest, S. Hodges / E+E, INC	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0930	SAMPLING ENDED AT: 0945
PUMP OR TUBING DEPTH IN WELL (feet): 49	TUBING MATERIAL CODE: T	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 45 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	PE	500mL	Zn Acetate/NaOH	500	10	Sulfide	APP	5.48
	1	PE	250mL	Nitric	250	2	Strontium	APP	"
	1	AG	125mL	Nitric	125	1	DOC	APP	"
	1	PE	250mL	Nitric	250	2	Metals	APP	"

REMARKS: Please see analyte sample list for GW w/ nutrients for remaining samples.

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

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

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 °C **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)

Revision Date: February 12, 2009

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35970-1
SDG Number: 35970

Login Number: 35970
List Source: TestAmerica Tampa
Creator: Volz, Charles
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5,2.7 Degrees C. CU-07
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35970-1
SDG Number: 35970

Login Number: 35970
Creator: Kicklighter, Marilyn
List Number: 1

List Source: TestAmerica Savannah
List Creation: 06/29/10 02:14 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35970-1
SDG Number: 35970

Login Number: 35970
Creator: Archie, Datiska
List Number: 1

List Source: TestAmerica Tallahassee
List Creation: 06/30/10 09:30 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 660-35950-1

SDG Number: 35950

Job Description: FPL Turkey Point Analytical Services

For:
Florida Power & Light Company
Technical Services - PGD Environmental
Water Compliance/Permitting
700 Universe Blvd (JES/JB)
Juno Beach, FL 33408

Attention: Ms. Stacy Foster

Approved for release.
Amy Atkins
Project Manager I
8/2/2010 3:51 PM

Amy Atkins
Project Manager I
amy.atkins@testamericainc.com
08/02/2010

cc: Ms. Sharon Ewe

Methods: FDEP, DOH Certification #: TestAmerica Tampa E84282; TestAmerica Tallahassee E81005; TestAmerica Savannah E87052 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

TestAmerica Laboratories, Inc.
TestAmerica Tampa 6712 Benjamin Road, Suite 100, Tampa, FL 33634
Tel (813) 885-7427 Fax (813) 885-7049 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Job Narrative
660-35950-1

Receipt
All samples were received in good condition within temperature requirements.

6010B
The matrix spike duplicate (MSD) recovery for Calcium in batch 660-96604 was outside control limits with the sample greater than 4x the spike level. The associated laboratory control sample (LCS) recovery met acceptance criteria.

300.0
Due to sample matrix, 062410-TPGW-4D (660-35950-3) and 062410-TPGW-4M (660-35950-2) were diluted for Fluoride.

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-35950-1	**062410-TPGW-4S**					
Field pH		7.31			SU	Field Sampling
Field Temperature		24.99			Degrees C	Field Sampling
Oxygen, Dissolved		1.4			mg/L	Field Sampling
Specific Conductance		1750			umhos/cm	Field Sampling
Turbidity		2.52			NTU	Field Sampling
Bromide		1.7		0.050	mg/L	300.0
Chloride		490		50	mg/L	300.0
Fluoride		0.055		0.050	mg/L	300.0
Sulfate		20		0.50	mg/L	300.0
Alkalinity		200		1.0	mg/L	SM 2320B
Total Dissolved Solids		1100		5.0	mg/L	SM 2540C
Dissolved						
Dissolved Inorganic Carbon-Dissolved		54		1.0	mg/L	9060
Total Recoverable						
Barium		24	I	100	ug/L	200.7 Rev 4.4
Iron		220	I	500	ug/L	200.7 Rev 4.4
Boron		64		50	ug/L	6010B
Calcium		120		0.50	mg/L	6010B
Potassium		9.2		1.0	mg/L	6010B
Strontium		1300		5.0	ug/L	6010B
Magnesium		19		0.080	mg/L	6010B
Sodium		250		5.0	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35950-2	**062410-TPGW-4M**				
Field pH		6.88		SU	Field Sampling
Field Temperature		25.66		Degrees C	Field Sampling
Oxygen, Dissolved		2.3		mg/L	Field Sampling
Specific Conductance		32010		umhos/cm	Field Sampling
Turbidity		2.0		NTU	Field Sampling
Bromide		47	5.0	mg/L	300.0
Chloride		13000	500	mg/L	300.0
Sulfate		1600	50	mg/L	300.0
Alkalinity		210	1.0	mg/L	SM 2320B
Total Dissolved Solids		28000	250	mg/L	SM 2540C
Dissolved					
Dissolved Inorganic Carbon-Dissolved		48	1.0	mg/L	9060
Total Recoverable					
Barium		150	100	ug/L	200.7 Rev 4.4
Iron		4700	500	ug/L	200.7 Rev 4.4
Boron		1400	500	ug/L	6010B
Calcium		620	5.0	mg/L	6010B
Potassium		280	10	mg/L	6010B
Strontium		8300	50	ug/L	6010B
Magnesium		900	0.80	mg/L	6010B
Sodium		7200	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35950-3	**062410-TPGW-4D**				
Field pH		6.92		SU	Field Sampling
Field Temperature		25.29		Degrees C	Field Sampling
Oxygen, Dissolved		2.4		mg/L	Field Sampling
Specific Conductance		37010		umhos/cm	Field Sampling
Turbidity		0.02		NTU	Field Sampling
Bromide		54	50	mg/L	300.0
Chloride		16000	500	mg/L	300.0
Sulfate		1900	50	mg/L	300.0
Alkalinity		200	1.0	mg/L	SM 2320B
Total Dissolved Solids		33000	250	mg/L	SM 2540C
Dissolved					
Dissolved Inorganic Carbon-Dissolved		45	1.0	mg/L	9060
Total Recoverable					
Barium		140	100	ug/L	200.7 Rev 4.4
Iron		5900	500	ug/L	200.7 Rev 4.4
Boron		2200	500	ug/L	6010B
Calcium		620	5.0	mg/L	6010B
Potassium		420	10	mg/L	6010B
Strontium		8800	50	ug/L	6010B
Magnesium		1100	0.80	mg/L	6010B
Sodium		8600	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-35950-4	**062410-TPGW-7S**					
Field pH		7.22			SU	Field Sampling
Field Temperature		24.80			Degrees C	Field Sampling
Oxygen, Dissolved		2.0			mg/L	Field Sampling
Specific Conductance		483			umhos/cm	Field Sampling
Turbidity		3.81			NTU	Field Sampling
Bromide		0.18		0.050	mg/L	300.0
Chloride		36		0.50	mg/L	300.0
Fluoride		0.17		0.050	mg/L	300.0
Sulfate		27		0.50	mg/L	300.0
Alkalinity		210		1.0	mg/L	SM 2320B
Total Dissolved Solids		300		5.0	mg/L	SM 2540C
Dissolved						
Dissolved Inorganic Carbon-Dissolved		44		1.0	mg/L	9060
Total Recoverable						
Iron		340	I	500	ug/L	200.7 Rev 4.4
Boron		53		50	ug/L	6010B
Calcium		91		0.50	mg/L	6010B
Potassium		9.9		1.0	mg/L	6010B
Strontium		910		5.0	ug/L	6010B
Magnesium		4.0		0.080	mg/L	6010B
Sodium		20		0.50	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-35950-5	**062410-TPGW-7M**					
Field pH		7.19			SU	Field Sampling
Field Temperature		25.05			Degrees C	Field Sampling
Oxygen, Dissolved		1.5			mg/L	Field Sampling
Specific Conductance		500			umhos/cm	Field Sampling
Turbidity		2.29			NTU	Field Sampling
Bromide		0.17		0.050	mg/L	300.0
Chloride		35		0.50	mg/L	300.0
Fluoride		0.23		0.050	mg/L	300.0
Sulfate		25		0.50	mg/L	300.0
Alkalinity		200		1.0	mg/L	SM 2320B
Total Dissolved Solids		310		5.0	mg/L	SM 2540C
Dissolved						
Dissolved Inorganic Carbon-Dissolved		47		1.0	mg/L	9060
Total Recoverable						
Barium		11	I	100	ug/L	200.7 Rev 4.4
Iron		360	I	500	ug/L	200.7 Rev 4.4
Boron		53		50	ug/L	6010B
Calcium		91		0.50	mg/L	6010B
Potassium		9.4		1.0	mg/L	6010B
Strontium		920		5.0	ug/L	6010B
Magnesium		4.1		0.080	mg/L	6010B
Sodium		21		0.50	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-35950-6	**062410-TPGW-7D**					
Field pH		7.19			SU	Field Sampling
Field Temperature		25.12			Degrees C	Field Sampling
Oxygen, Dissolved		2.3			mg/L	Field Sampling
Specific Conductance		510			umhos/cm	Field Sampling
Turbidity		1.34			NTU	Field Sampling
Bromide		0.21		0.050	mg/L	300.0
Chloride		41		0.50	mg/L	300.0
Fluoride		0.14		0.050	mg/L	300.0
Sulfate		29		0.50	mg/L	300.0
Alkalinity		200		1.0	mg/L	SM 2320B
Total Dissolved Solids		320		5.0	mg/L	SM 2540C
Dissolved						
Dissolved Inorganic Carbon-Dissolved		47		1.0	mg/L	9060
Total Recoverable						
Iron		280	I	500	ug/L	200.7 Rev 4.4
Boron		51		50	ug/L	6010B
Calcium		91		0.50	mg/L	6010B
Potassium		4.8		1.0	mg/L	6010B
Strontium		880		5.0	ug/L	6010B
Magnesium		3.7		0.080	mg/L	6010B
Sodium		26		0.50	mg/L	6010B

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL TAL	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL TAL		EPA 200.7
Metals (ICP)	TAL TAM	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL TAM		SW846 3005A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Carbon, Dissolved and Dissolved Inorganic	TAL SAV	SW846 9060	
Sample Filtration, Field	TAL SAV		FIELD_FLTRD
Alkalinity	TAL TAM	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL TAM	SM SM 2540C	
Sulfide, Total	TAL TAM	SM SM 4500 S2 F	
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAL = TestAmerica Tallahassee

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Method	Analyst	Analyst ID
EPA 200.7 Rev 4.4	Wallace, Tiffany B	TBW
SW846 6010B	Fox, Greg	GF
EPA Field Sampling	Sampler, Field	FS
MCAWW 300.0	Sengsouvanna, Dom	DS
SW846 9060	Blackshear, Kim	KB
SM SM 2320B	Steward, Tiffany	TS
SM SM 2540C	Oonnoonny, Thomas	TO
SM SM 4500 S2 F	Mostafavifar, Efe	EM

SAMPLE SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-35950-1	062410-TPGW-4S	Water	06/24/2010 1500	06/25/2010 0830
660-35950-2	062410-TPGW-4M	Water	06/24/2010 1330	06/25/2010 0830
660-35950-3	062410-TPGW-4D	Water	06/24/2010 1300	06/25/2010 0830
660-35950-4	062410-TPGW-7S	Water	06/24/2010 1655	06/25/2010 0830
660-35950-5	062410-TPGW-7M	Water	06/24/2010 1715	06/25/2010 0830
660-35950-6	062410-TPGW-7D	Water	06/24/2010 1800	06/25/2010 0830

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Client Sample ID: **062410-TPGW-4S**

Lab Sample ID: 660-35950-1
Client Matrix: Water

Date Sampled: 06/24/2010 1500
Date Received: 06/25/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571		Lab File ID:	071310.csv
Dilution:	1.0			Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 1019			Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	24	I	9.6	100
Iron	220	I	46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1427			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1004				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	120		0.10	0.50
Potassium	9.2		0.19	1.0
Magnesium	19		0.020	0.080

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	64		10	50
Strontium	1300		1.0	5.0

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1519	Run Type: DL		Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1004				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	250		3.1	5.0

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Client Sample ID: **062410-TPGW-4M**

Lab Sample ID: 660-35950-2
Client Matrix: Water

Date Sampled: 06/24/2010 1330
Date Received: 06/25/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571		Lab File ID:	071310.csv
Dilution:	1.0			Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 1022			Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	150		9.6	100
Iron	4700		46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1433			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1004				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	620		1.0	5.0
Potassium	280		1.9	10
Magnesium	900		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	1400		100	500
Strontium	8300		10	50

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	200			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1525	Run Type: DL		Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1004				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	7200		62	100

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Client Sample ID: **062410-TPGW-4D**

Lab Sample ID: 660-35950-3
Client Matrix: Water

Date Sampled: 06/24/2010 1300
Date Received: 06/25/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571		Lab File ID:	071310.csv
Dilution:	1.0			Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 1026			Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	140		9.6	100
Iron	5900		46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1440			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1004				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	620		1.0	5.0
Potassium	420		1.9	10
Magnesium	1100		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	2200		100	500
Strontium	8800		10	50

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	200			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1531	Run Type: DL		Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1004				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	8600		62	100

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Client Sample ID: **062410-TPGW-7S**

Lab Sample ID: 660-35950-4
Client Matrix: Water

Date Sampled: 06/24/2010 1655
Date Received: 06/25/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571		Lab File ID:	071310.csv
Dilution:	1.0			Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 1033			Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	9.6	U	9.6	100
Iron	340	I	46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1537			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1004				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	91		0.10	0.50
Potassium	9.9		0.19	1.0
Magnesium	4.0		0.020	0.080
Sodium	20		0.31	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	53		10	50
Strontium	910		1.0	5.0

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Client Sample ID: **062410-TPGW-7M**

Lab Sample ID: 660-35950-5
Client Matrix: Water

Date Sampled: 06/24/2010 1715
Date Received: 06/25/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571		Lab File ID:	071310.csv
Dilution:	1.0			Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 1029			Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	11	I	9.6	100
Iron	360	I	46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1543			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1004				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	91		0.10	0.50
Potassium	9.4		0.19	1.0
Magnesium	4.1		0.020	0.080
Sodium	21		0.31	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	53		10	50
Strontium	920		1.0	5.0

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Client Sample ID: **062410-TPGW-7D**

Lab Sample ID: 660-35950-6
Client Matrix: Water

Date Sampled: 06/24/2010 1800
Date Received: 06/25/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850		Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571		Lab File ID:	071310.csv
Dilution:	1.0			Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 1036			Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	9.6	U	9.6	100
Iron	280	I	46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97236		Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96604		Lab File ID:	10G15A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	07/15/2010 1724			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1004				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	91		0.10	0.50
Potassium	4.8		0.19	1.0
Magnesium	3.7		0.020	0.080
Sodium	26		0.31	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	51		10	50
Strontium	880		1.0	5.0

General Chemistry

Client Sample ID: **062410-TPGW-4S**

Lab Sample ID: 660-35950-1
Client Matrix: Water

Date Sampled: 06/24/2010 1500
Date Received: 06/25/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	1.7		mg/L	0.027	0.050	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2149						
Chloride	490		mg/L	20	50	100	300.0
Analysis Batch: 660-96938	Date Analyzed: 07/08/2010 0000						
Fluoride	0.055		mg/L	0.020	0.050	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2149						
Sulfate	20		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2149						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	54		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-173756	Date Analyzed: 07/08/2010 1654						
Alkalinity	200		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1036						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1036						
Total Dissolved Solids	1100		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-96479	Date Analyzed: 06/28/2010 0948						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130						

General Chemistry

Client Sample ID: **062410-TPGW-4M**

Lab Sample ID: 660-35950-2
Client Matrix: Water

Date Sampled: 06/24/2010 1330
Date Received: 06/25/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	47		mg/L	2.7	5.0	100	300.0
Analysis Batch: 660-96938	Date Analyzed: 07/08/2010 0021						
Chloride	13000		mg/L	200	500	1000	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2211						
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/09/2010 0503						
Sulfate	1600		mg/L	20	50	100	300.0
Analysis Batch: 660-96938	Date Analyzed: 07/08/2010 0021						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	48		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959						
Alkalinity	210		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1049						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1049						
Total Dissolved Solids	28000		mg/L	250	250	1.0	SM 2540C
Analysis Batch: 660-96479	Date Analyzed: 06/28/2010 0949						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130						

General Chemistry

Client Sample ID: **062410-TPGW-4D**

Lab Sample ID: 660-35950-3
Client Matrix: Water

Date Sampled: 06/24/2010 1300
Date Received: 06/25/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	54		mg/L	27	50	1000	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2316						
Chloride	16000		mg/L	200	500	1000	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2316						
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/09/2010 0524						
Sulfate	1900		mg/L	20	50	100	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2338						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	45		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959						
Alkalinity	200		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1055						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1055						
Total Dissolved Solids	33000		mg/L	250	250	1.0	SM 2540C
Analysis Batch: 660-96479	Date Analyzed: 06/28/2010 0949						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130						

General Chemistry

Client Sample ID: **062410-TPGW-7S**

Lab Sample ID: 660-35950-4
Client Matrix: Water

Date Sampled: 06/24/2010 1655
Date Received: 06/25/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	0.18		mg/L	0.027	0.050	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2044						
Chloride	36		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2044						
Fluoride	0.17		mg/L	0.020	0.050	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2044						
Sulfate	27		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2044						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	44		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959						
Alkalinity	210		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1101						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1101						
Total Dissolved Solids	300		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-96479	Date Analyzed: 06/28/2010 0950						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130						

General Chemistry

Client Sample ID: **062410-TPGW-7M**

Lab Sample ID: 660-35950-5
Client Matrix: Water

Date Sampled: 06/24/2010 1715
Date Received: 06/25/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	0.17		mg/L	0.027	0.050	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2106						
Chloride	35		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2106						
Fluoride	0.23		mg/L	0.020	0.050	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2106						
Sulfate	25		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2106						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	47		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959						
Alkalinity	200		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1107						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1107						
Total Dissolved Solids	310		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-96479	Date Analyzed: 06/28/2010 0950						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130						

General Chemistry

Client Sample ID: **062410-TPGW-7D**

Lab Sample ID: 660-35950-6
Client Matrix: Water

Date Sampled: 06/24/2010 1800
Date Received: 06/25/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	0.21		mg/L	0.027	0.050	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2128						
Chloride	41		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2128						
Fluoride	0.14		mg/L	0.020	0.050	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2128						
Sulfate	29		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-96989	Date Analyzed: 07/08/2010 2128						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	47		mg/L	1.0	1.0	1.0	9060
Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959						
Alkalinity	200		mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1113						
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1113						
Total Dissolved Solids	320		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-96479	Date Analyzed: 06/28/2010 0951						
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130						

Field Service / Mobile Lab

Client Sample ID: **062410-TPGW-4S**

Lab Sample ID: 660-35950-1
Client Matrix: Water

Date Sampled: 06/24/2010 1500
Date Received: 06/25/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.31		SU	1.0	Field Sampling	660-97058	06/24/2010 1500
Field Temperature	24.99		Degrees C	1.0	Field Sampling	660-97058	06/24/2010 1500
Oxygen, Dissolved	1.4		mg/L	1.0	Field Sampling	660-97058	06/24/2010 1500
Specific Conductance	1750		umhos/cm	1.0	Field Sampling	660-97058	06/24/2010 1500
Turbidity	2.52		NTU	1.0	Field Sampling	660-97058	06/24/2010 1500

Field Service / Mobile Lab

Client Sample ID: **062410-TPGW-4M**

Lab Sample ID: 660-35950-2
Client Matrix: Water

Date Sampled: 06/24/2010 1330
Date Received: 06/25/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.88		SU	1.0	Field Sampling	660-97058	06/24/2010 1330
Field Temperature	25.66		Degrees C	1.0	Field Sampling	660-97058	06/24/2010 1330
Oxygen, Dissolved	2.3		mg/L	1.0	Field Sampling	660-97058	06/24/2010 1330
Specific Conductance	32010		umhos/cm	1.0	Field Sampling	660-97058	06/24/2010 1330
Turbidity	2.0		NTU	1.0	Field Sampling	660-97058	06/24/2010 1330

Field Service / Mobile Lab

Client Sample ID: **062410-TPGW-4D**

Lab Sample ID: 660-35950-3
Client Matrix: Water

Date Sampled: 06/24/2010 1300
Date Received: 06/25/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.92		SU	1.0	Field Sampling	660-97058	06/24/2010 1300
Field Temperature	25.29		Degrees C	1.0	Field Sampling	660-97058	06/24/2010 1300
Oxygen, Dissolved	2.4		mg/L	1.0	Field Sampling	660-97058	06/24/2010 1300
Specific Conductance	37010		umhos/cm	1.0	Field Sampling	660-97058	06/24/2010 1300
Turbidity	0.02		NTU	1.0	Field Sampling	660-97058	06/24/2010 1300

Field Service / Mobile Lab

Client Sample ID: **062410-TPGW-7S**

Lab Sample ID: 660-35950-4
Client Matrix: Water

Date Sampled: 06/24/2010 1655
Date Received: 06/25/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.22		SU	1.0	Field Sampling	660-97058	06/24/2010 1655
Field Temperature	24.80		Degrees C	1.0	Field Sampling	660-97058	06/24/2010 1655
Oxygen, Dissolved	2.0		mg/L	1.0	Field Sampling	660-97058	06/24/2010 1655
Specific Conductance	483		umhos/cm	1.0	Field Sampling	660-97058	06/24/2010 1655
Turbidity	3.81		NTU	1.0	Field Sampling	660-97058	06/24/2010 1655

Field Service / Mobile Lab

Client Sample ID: **062410-TPGW-7M**

Lab Sample ID: 660-35950-5
Client Matrix: Water

Date Sampled: 06/24/2010 1715
Date Received: 06/25/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.19		SU	1.0	Field Sampling	660-97058	06/24/2010 1715
Field Temperature	25.05		Degrees C	1.0	Field Sampling	660-97058	06/24/2010 1715
Oxygen, Dissolved	1.5		mg/L	1.0	Field Sampling	660-97058	06/24/2010 1715
Specific Conductance	500		umhos/cm	1.0	Field Sampling	660-97058	06/24/2010 1715
Turbidity	2.29		NTU	1.0	Field Sampling	660-97058	06/24/2010 1715

Field Service / Mobile Lab

Client Sample ID: **062410-TPGW-7D**

Lab Sample ID: 660-35950-6
Client Matrix: Water

Date Sampled: 06/24/2010 1800
Date Received: 06/25/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.19		SU	1.0	Field Sampling	660-97058	06/24/2010 1800
Field Temperature	25.12		Degrees C	1.0	Field Sampling	660-97058	06/24/2010 1800
Oxygen, Dissolved	2.3		mg/L	1.0	Field Sampling	660-97058	06/24/2010 1800
Specific Conductance	510		umhos/cm	1.0	Field Sampling	660-97058	06/24/2010 1800
Turbidity	1.34		NTU	1.0	Field Sampling	660-97058	06/24/2010 1800

DATA REPORTING QUALIFIERS

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Lab Section	Qualifier	Description
Metals		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	U	Indicates that the compound was analyzed for but not detected.

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Method Blank - Batch: 640-70571

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

Lab Sample ID: MB 640-70571/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0852
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70850
Prep Batch: 640-70571
Units: ug/L

Instrument ID: ICP2
Lab File ID: 071310.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Barium	0.96	U	0.96	10
Iron	4.6	U	4.6	50

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 640-70571

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

LCS Lab Sample ID: LCS 640-70571/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0856
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70850
Prep Batch: 640-70571
Units: ug/L

Instrument ID: ICP2
Lab File ID: 071310.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-70571/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0859
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70850
Prep Batch: 640-70571
Units: ug/L

Instrument ID: ICP2
Lab File ID: 071310.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Barium	101	102	85 - 115	1	20		
Iron	102	103	85 - 115	1	20		

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-70571

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

MS Lab Sample ID:	660-36031-B-1-B MS	Analysis Batch: 640-70850	Instrument ID: ICP2
Client Matrix:	Water	Prep Batch: 640-70571	Lab File ID: 071310.csv
Dilution:	1.0		Initial Weight/Volume: 5.0 mL
Date Analyzed:	07/13/2010 0910		Final Weight/Volume: 50 mL
Date Prepared:	07/06/2010 1100		

MSD Lab Sample ID:	660-36031-B-1-C MSD	Analysis Batch: 640-70850	Instrument ID: ICP2
Client Matrix:	Water	Prep Batch: 640-70571	Lab File ID: 071310.csv
Dilution:	1.0		Initial Weight/Volume: 5.0 mL
Date Analyzed:	07/13/2010 0913		Final Weight/Volume: 50 mL
Date Prepared:	07/06/2010 1100		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	101	98	70 - 130	2	20		
Iron	99	96	70 - 130	3	20		

Duplicate - Batch: 640-70571

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

Lab Sample ID:	660-36031-B-2-B DU	Analysis Batch: 640-70850	Instrument ID: ICP2
Client Matrix:	Water	Prep Batch: 640-70571	Lab File ID: 071310.csv
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 5.0 mL
Date Analyzed:	07/13/2010 0934		Final Weight/Volume: 50 mL
Date Prepared:	07/06/2010 1100		

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Barium	130	123	2	20	
Iron	8600	8340	3	20	

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Method Blank - Batch: 660-96604

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 660-96604/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1250
Date Prepared: 06/30/2010 1004

Analysis Batch: 660-97236
Prep Batch: 660-96604
Units: mg/L

Instrument ID: ICPA
Lab File ID: 10G15A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Calcium	0.10	U	0.10	0.50
Potassium	0.19	U	0.19	1.0
Magnesium	0.020	U	0.020	0.080
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-96604

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 660-96604/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1250
Date Prepared: 06/30/2010 1004

Analysis Batch: 660-97236
Prep Batch: 660-96604
Units: ug/L

Instrument ID: ICPA
Lab File ID: 10G15A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Boron	10	U	10	50
Strontium	1.0	U	1.0	5.0

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Lab Control Sample - Batch: 660-96604

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-96604/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1256
Date Prepared: 06/30/2010 1004

Analysis Batch: 660-97236
Prep Batch: 660-96604
Units: mg/L

Instrument ID: ICPA
Lab File ID: 10G15A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	1.00	1.05	105	75 - 125	
Potassium	10.0	10.1	101	75 - 125	
Magnesium	1.00	1.03	103	75 - 125	
Sodium	10.0	9.85	98	75 - 125	

Lab Control Sample - Batch: 660-96604

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-96604/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1256
Date Prepared: 06/30/2010 1004

Analysis Batch: 660-97236
Prep Batch: 660-96604
Units: ug/L

Instrument ID: ICPA
Lab File ID: 10G15A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Boron	1000	1020	102	75 - 125	
Strontium	1000	1070	107	75 - 125	

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96604

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	660-36004-B-9-B MS	Analysis Batch: 660-97236	Instrument ID: ICPA
Client Matrix:	Water	Prep Batch: 660-96604	Lab File ID: 10G15A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/15/2010 1314		Final Weight/Volume: 50 mL
Date Prepared:	06/30/2010 1004		

MSD Lab Sample ID:	660-36004-B-9-C MSD	Analysis Batch: 660-97236	Instrument ID: ICPA
Client Matrix:	Water	Prep Batch: 660-96604	Lab File ID: 10G15A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/15/2010 1320		Final Weight/Volume: 50 mL
Date Prepared:	06/30/2010 1004		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	93	250	75 - 125	1	20		J3
Potassium	111	113	75 - 125	2	20		
Magnesium	103	108	75 - 125	2	20		
Sodium	104	92	75 - 125	8	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96604

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	660-36004-B-9-B MS	Analysis Batch: 660-97236	Instrument ID: ICPA
Client Matrix:	Water	Prep Batch: 660-96604	Lab File ID: 10G15A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/15/2010 1314		Final Weight/Volume: 50 mL
Date Prepared:	06/30/2010 1004		

MSD Lab Sample ID:	660-36004-B-9-C MSD	Analysis Batch: 660-97236	Instrument ID: ICPA
Client Matrix:	Water	Prep Batch: 660-96604	Lab File ID: 10G15A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	07/15/2010 1320		Final Weight/Volume: 50 mL
Date Prepared:	06/30/2010 1004		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Boron	104	105	75 - 125	1	20		
Strontium	107	109	75 - 125	2	20		

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Method Blank - Batch: 660-96938

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96938/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1246
Date Prepared: N/A

Analysis Batch: 660-96938
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 10.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Result	Qual	MDL	PQL
Bromide	0.027	U	0.027	0.050
Chloride	0.20	U	0.20	0.50
Sulfate	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-96938

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96938/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1307
Date Prepared: N/A

Analysis Batch: 660-96938
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 11.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	1.00	100	90 - 110	
Chloride	10.0	10.1	101	90 - 110	
Sulfate	10.0	10.2	102	90 - 110	

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96938

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	660-35992-B-3 MS ^10	Analysis Batch: 660-96938	Instrument ID: DIONEX2
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 32.0000.TXT
Dilution:	10		Initial Weight/Volume:
Date Analyzed:	07/07/2010 2211		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-35992-B-3 MSD ^10	Analysis Batch: 660-96938	Instrument ID: DIONEX2
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 33.0000.TXT
Dilution:	10		Initial Weight/Volume:
Date Analyzed:	07/07/2010 2233		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromide	102	104	90 - 110	1	30		
Chloride	102	105	90 - 110	1	30		
Sulfate	103	104	90 - 110	1	30		

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Method Blank - Batch: 660-96989

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96989/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 2001
Date Prepared: N/A

Analysis Batch: 660-96989
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 21.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Result	Qual	MDL	PQL
Bromide	0.027	U	0.027	0.050
Chloride	0.20	U	0.20	0.50
Fluoride	0.020	U	0.020	0.050
Sulfate	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-96989

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96989/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 2022
Date Prepared: N/A

Analysis Batch: 660-96989
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 22.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	0.976	98	90 - 110	
Chloride	10.0	10.2	102	90 - 110	
Fluoride	1.00	0.950	95	90 - 110	
Sulfate	10.0	10.2	102	90 - 110	

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96989

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	660-35950-2	Analysis Batch:	660-96989	Instrument ID:	DIONEX2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	28.0000.TXT
Dilution:	1000			Initial Weight/Volume:	
Date Analyzed:	07/08/2010 2233			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	660-35950-2	Analysis Batch:	660-96989	Instrument ID:	DIONEX2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	29.0000.TXT
Dilution:	1000			Initial Weight/Volume:	
Date Analyzed:	07/08/2010 2254			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Bromide	104	106	90 - 110	1	30		
Chloride	104	105	90 - 110	0	30		
Fluoride	109	101	90 - 110	8	30		
Sulfate	101	101	90 - 110	0	30		

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Method Blank - Batch: 680-173756

Method: 9060
Preparation: N/A

Lab Sample ID: MB 680-173756/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1654
Date Prepared: N/A

Analysis Batch: 680-173756
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	PQL	PQL
Dissolved Inorganic Carbon-Dissolved	1.0	U	1.0	1.0
Dissolved Carbon-Dissolved	1.0	U	1.0	1.0

Lab Control Sample - Batch: 680-173756

Method: 9060
Preparation: N/A

Lab Sample ID: LCS 680-173756/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1654
Date Prepared: N/A

Analysis Batch: 680-173756
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dissolved Inorganic Carbon-Dissolved	20.0	19.7	98		
Dissolved Carbon-Dissolved	20.0	19.7	98		

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Method Blank - Batch: 680-173757

Method: 9060
Preparation: N/A

Lab Sample ID: MB 680-173757/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 0959
Date Prepared: N/A

Analysis Batch: 680-173757
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	PQL	PQL
Dissolved Inorganic Carbon-Dissolved	1.0	U	1.0	1.0
Dissolved Carbon-Dissolved	1.0	U	1.0	1.0

Lab Control Sample - Batch: 680-173757

Method: 9060
Preparation: N/A

Lab Sample ID: LCS 680-173757/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 0959
Date Prepared: N/A

Analysis Batch: 680-173757
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dissolved Inorganic Carbon-Dissolved	20.0	19.3	96		
Dissolved Carbon-Dissolved	20.0	19.3	96		

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Method Blank - Batch: 660-96877

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 660-96877/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1023
Date Prepared: N/A

Analysis Batch: 660-96877
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.7.10a.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Alkalinity	1.0	U	1.0	1.0

Lab Control Sample - Batch: 660-96877

Method: SM 2320B
Preparation: N/A

Lab Sample ID: LCS 660-96877/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1030
Date Prepared: N/A

Analysis Batch: 660-96877
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.7.10a.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	118	117	99	80 - 120	

Duplicate - Batch: 660-96877

Method: SM 2320B
Preparation: N/A

Lab Sample ID: 660-35950-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1042
Date Prepared: N/A

Analysis Batch: 660-96877
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.7.10a.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Alkalinity	200		204	2	30	
Carbonate Alkalinity as CaCO3	1.0	U	1.0	NC	30	U

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Method Blank - Batch: 660-96479

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 660-96479/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 0937
Date Prepared: N/A

Analysis Batch: 660-96479
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Lab Control Sample - Batch: 660-96479

Method: SM 2540C
Preparation: N/A

Lab Sample ID: LCS 660-96479/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 0938
Date Prepared: N/A

Analysis Batch: 660-96479
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	10000	9910	99	80 - 120	

Duplicate - Batch: 660-96479

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 660-35950-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 0951
Date Prepared: N/A

Analysis Batch: 660-96479
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	320	314	1	20	

Client: Florida Power & Light Company

Job Number: 660-35950-1
Sdg Number: 35950

Method Blank - Batch: 660-96518

Method: SM 4500 S2 F
Preparation: N/A

Lab Sample ID: MB 660-96518/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2010 1130
Date Prepared: N/A

Analysis Batch: 660-96518
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	PQL	PQL
Sulfide	1.0	U	1.0	1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 660-96518

Method: SM 4500 S2 F
Preparation: N/A

LCS Lab Sample ID: LCS 660-96518/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2010 1130
Date Prepared: N/A

Analysis Batch: 660-96518
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 660-96518/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2010 1130
Date Prepared: N/A

Analysis Batch: 660-96518
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Sulfide	96	98	75 - 125	2	25		

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

660-35950

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Jacobs / Hodges	Lab PM: Atkins, Amy	Carrier Tracking No(s):	COC No: 660-29841.1
Client Contact: Ms. Stacy Foster	Phone: 561-640-6552	E-Mail: amy.atkins@testamericainc.com		Page: Page 1 of 2
Company: Florida Power & Light Company				Job #:

Address: 700 Universe Blvd (GPA/JB)	Due Date Requested:	Analysis Requested
City: Juno Beach	TAT Requested (days):	
State, Zip: FL, 33408		
Phone: 772-285-5653(Tel)	PO #: Purchase Order Requested	
Email: stacy.foster@fpl.com	WO #:	
Project Name: FPL Turkey Point (SA GW no Nutrients)	Project #: 66003641	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT - Hydrogen, Oxygen / Carbon	245.1, 6010B	SM4500_S2_F - Sulfide	2320B, 300.0_28D	2540C - Total Dissolved Solids	200.7 - Iron and Barium (Tally)	DIC	DOC	Total Number of containers	Special Instructions/Note:
		Preservation Code					N	D	CB	N	N	D				
062410 TPGW- 4S	06/24/10	1500	G	Water	Y		2	1	1	1	1		1	1	2	
TPGW- 4M		1330		Water	Y		2	1	1	1	1		1	1	2	
TPGW- 4D		1300		Water	Y		2	1	1	1	1		1	1	2	
TPGW- 7S		1655		Water	Y		2	1	1	1	1		1	1	2	
TPGW- 7M		1715		Water	Y		2	1	1	1	1		1	1	2	
TPGW- 7D		1800		Water	Y		2	1	1	1	1		1	1	2	
TPGW-				Water												
TPGW-				Water												
TPGW-				Water												
TPGW-				Water												
TPGW-				Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by: Jessica Jacobs	Date/Time: 06/24/10 1845	Company E&E, Inc	Received by: Mark Atkins	Date/Time: 6/24/10 1845	Company TAL		
Relinquished by:	Date/Time:	Company	Received by: Carol McMulty	Date/Time: 6/25/10 0830	Company Testamerica		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.1, 4.5° C CW07

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 062410-TPGMW-4S	SITE LOCATION:	
WELL NO:	SAMPLE ID:	DATE: 06/24/10

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16 T.P.	WELL SCREEN INTERVAL DEPTH: 22.5 feet to 24.5 feet	STATIC DEPTH TO WATER (feet): 1.94	PURGE PUMP TYPE OR BAILER: BP

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 28.5 feet) + gallons = .04 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 23.5	PURGING INITIATED AT: 1433	PURGING ENDED AT: 1456	TOTAL VOLUME PURGED (gallons): 2.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1440	1.10	1.10	.10	1.9	7.44	24.89	1.79	2.0 (.16)	1.58	Clear	—	-181
1446	.90	2.0	.15	1.95	7.37	25.02	1.76	1.6 (.13)	2.52	"	—	-174.2
1502	.52	2.52	.08	1.95	7.31	24.99	1.75	1.4 (.12)	2.52	"	—	-170.7

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Jacobs	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1500	SAMPLING ENDED AT: 1514
PUMP OR TUBING DEPTH IN WELL (feet): 23.5	TUBING MATERIAL CODE: T	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 45 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	250mL	HNO_3	250	2	metals	APP	.08
	1	PE	500 mL	NaOH/Zn Acet	500	10	Sulfide	APP	.08
	1	PE	250mL	HNO_3	250	1	Strontium	APP	.08
	1	AG	125mL	HCl	125	1	DOC	APP	.08

REMARKS: Please see Analyte Sample cost for GMW w/out numbers for remaining samples.

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

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

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 °C **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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 062410 - TPGW - 4m	SITE LOCATION:
WELL NO:	SAMPLE ID:
	DATE: 06/24/10

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8" ID	WELL SCREEN INTERVAL DEPTH: 38 feet to 43 feet	STATIC DEPTH TO WATER (feet): 2.0	PURGE PUMP TYPE OR BAILER: PP

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 46 feet) + gallons = .06 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 41 Ft	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 41 Ft	PURGING INITIATED AT: 1230	PURGING ENDED AT: 13:07	TOTAL VOLUME PURGED (gallons): 3.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
12:45	1.55	1.55	.10	2.0	6.86	25.81	32.08	9.6 (.70)	3.24	light yellow	—	-4.2
1255	1.0	2.50	.10	2.0	6.86	25.62	32.10	2.5 (.18)	2.91	"	—	-27.9
1304	1.0	3.50	.11	1.9	6.88	25.06	32.01	2.3 (.16)	2.0	dark yellow	—	-36.4

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Jacobs / S. Hodges	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1330	SAMPLING ENDED AT: 1344
PUMP OR TUBING DEPTH IN WELL (feet): 41 ft	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: 45 µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	250mL	Nitric	250	2	metals	APP	.11
	1	PE	500mL	NaOH/Ascorbic acid	500	9	Sulfide	APP	.11
	1	PE	250mL	Nitric	250	1	Strontium	APP	.11
	1	AG	125mL	HCl	125	1	DOC	APP	.11

REMARKS: please see analyte sample list for GW w/out nutrients for remaining samples.

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

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

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 °C **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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 062410-TPGW-4D	SITE LOCATION:
WELL NO:	SAMPLE ID:
DATE: 06-24-10	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 62 feet to 66 feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: PP

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 70 feet) + gallons = .098 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 65 Ft	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 65 Ft	PURGING INITIATED AT: 1215	PURGING ENDED AT: 1255	TOTAL VOLUME PURGED (gallons): 3.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1229	1.75	1.75	.13	2.25	6.92	25.52	36.91	4.7 (.34)	.19	Yellow	—	-56.5
1239	1.0	2.75	.09	2.25	6.92	25.33	37.00	2.6 (.19)	.01	"	—	-70.2
1250	.50	3.25	.05	2.25	6.92	25.29	37.01	2.4 (.17)	.02	dark Yellow	—	-62.1

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Jacobs / S. Hodges	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1300	SAMPLING ENDED AT: 1374
PUMP OR TUBING DEPTH IN WELL (feet): 65	TUBING MATERIAL CODE: T	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 45 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	250mL	HNO_3	250mL	2	metals	APP	0 ~~.05~~ .05
	1	PE	500mL	NaOH, Zn Acetate	500mL	9	Sulfide	APP	~~.25~~ "
	1	PE	250mL	Nitric	250	1	Strontium	APP	"
	1	AG	125mL	HCl	125	2	DOC	APP	"

REMARKS: Please see Analyze sample list for GW w/out numbers for remaining samples

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

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

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 °C **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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 062410 - TPGW - 7S		SITE LOCATION:
WELL NO:	SAMPLE ID:	DATE: 06-24-10

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16 5/8	WELL SCREEN INTERVAL DEPTH: 22 feet to 26 feet	STATIC DEPTH TO WATER (feet): .5	PURGE PUMP TYPE OR BAILER: PP

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 29 feet) + gallons = .04 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 24	PURGING INITIATED AT: 1617	PURGING ENDED AT: 1641	TOTAL VOLUME PURGED (gallons): 2.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1623	.65	.65	.108	.5	7.15	24.83	0.491	8.8 (.72)	5.91	Clear	none	-19.5
1630	1.10	1.75	.157	.5	7.19	24.86	0.484	4.7 (.39)	2.55	"	"	-42.0
1636	.75	2.50	.125	.5	7.22	24.80	0.483	2.0 (.17)	3.81	"	"	-54.7

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
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Jacobs	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1655	SAMPLING ENDED AT: 1710
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: T	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: .45 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	PE	500 mL	ZnAcet. NaOH	500	10	Sulfide	APP	gpm .125
	1	PE	250 mL	NITRIC	250	2	metals	APP	"
	1	PE	250 mL	NITRIC	250	2	Strontium	APP	"
	1	AG	125 mL	HCl	125	2	DOC	APP	"

REMARKS:

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

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

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 °C **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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

10 - TPCW

SITE NAME: 0624 ~~10~~ -7m	SITE LOCATION:	
WELL NO:	SAMPLE ID:	DATE: 06-24-10

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 48 feet to 52 feet	STATIC DEPTH TO WATER (feet): 5	PURGE PUMP TYPE OR BAILER: PP

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 54 feet) + gallons = .076 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 49	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 49	PURGING INITIATED AT: 1628	PURGING ENDED AT: 1652	TOTAL VOLUME PURGED (gallons): 2.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1642	1.0	1.0	.071	.4	7.19	25.01	0.50	1.8(.15)	7.16	Clear	none	-106.7
1647	1.0	2.0	.20	.4	7.19	25.09	0.50	1.6(.13)	5.64	"	"	-103.4
1652	0.6	2.6	.12	.4	7.19	25.05	0.50	1.5(.13)	2.29	"	"	-102.3

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./FL): 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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Jacobs	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1715	SAMPLING ENDED AT: 1735
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: T	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 45 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	500 mL	NaOH Acetate	500	10	Sulfide	APP	3.12
	1	PE	250 mL	Nitric	250	2	metals	APP	"
	1	PE	250 mL	Nitric	250	1	Strontium	APP	"
	1	AG	125 mL	HCl	125	2	DOC	APP	"

REMARKS: Please see Analyte Sample List for Grw w/out nutrients for remaining samples.

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

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

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 °C **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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 062410-TPGW-70	SITE LOCATION:
WELL NO:	SAMPLE ID:
	DATE: 06-24-20

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 80.8 feet to 52 feet	STATIC DEPTH TO WATER (feet): -5 ft	PURGE PUMP TYPE OR BAILER: PP

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 86 feet) + gallons = .12 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 81	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 81	PURGING INITIATED AT: 1730	PURGING ENDED AT: 1758	TOTAL VOLUME PURGED (gallons): 3.10

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
1745	1.9	1.9	.126	.4	7.20	25.37	0.51	8.1(.66)	0.42	clear	none	-65.6
1752	.6	2.5	.080	.4	7.19	25.84	0.52	3.7(.30)	0.18	"	"	-62.8
1757	.6	3.10	.12	.4	7.19	25.12	0.51	2.3(.19)	1.34	"	"	-62.4

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Jacobs	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1800	SAMPLING ENDED AT: 1812
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: T	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 45 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	500mL	NaOH/EDTA/Ascorbic	500 mL	12	SULFIDE	APP	0.12
	1	PE	250mL	NITRIC	250 mL	2	Strontium	APP	"
	1	PE	250mL	NITRIC	250 mL	1	METALS	APP	"
	1	AG	125mL	HCl	125mL	1	DOC	APP	"

REMARKS: Please see analysis Sample 1757 for GW w/out nutrients for remaining samples.

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

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

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 °C **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)

Revision Date: February 12, 2009

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35950-1
SDG Number: 35950

Login Number: 35950
List Source: TestAmerica Tampa
Creator: McNulty, Carol
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.1, 4.5 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	245.1 on coc-not in project, 200.7 to tally in proj. but not checked off on coc
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35950-1
SDG Number: 35950

Login Number: 35950
Creator: Kicklighter, Marilyn
List Number: 1

List Source: TestAmerica Savannah
List Creation: 06/29/10 02:14 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	False	

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35950-1
SDG Number: 35950

Login Number: 35950
Creator: Archie, Datiska
List Number: 1

List Source: TestAmerica Tallahassee
List Creation: 07/02/10 12:06 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	