

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
8/24/2010 8:54 AM

Amy Atkins
Project Manager I
amy.atkins@testamericainc.com
08/24/2010
Revision: 1

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.

DRAFT

THE DATA IN THIS REPORT HAS NOT HAD A FINAL QA/QC CHECK

TestAmerica Laboratories, Inc.

TestAmerica Tampa 6712 Benjamin Road, Suite 100, Tampa, FL 33634

Tel (813) 885-7427 Fax (813) 885-7049 www.testamericainc.com



Job Narrative
660-35970-1

Comments

Report revised to show lower limits for 200.7.

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
<i>Dissolved</i>					
Dissolved Inorganic Carbon-Dissolved		51	1.0	mg/L	9060
<i>Total Recoverable</i>					
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
<i>Dissolved</i>					
Dissolved Inorganic Carbon-Dissolved		49	1.0	mg/L	9060
<i>Total Recoverable</i>					
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
<i>Dissolved</i>					
Dissolved Inorganic Carbon-Dissolved		62	1.0	mg/L	9060
<i>Total Recoverable</i>					
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	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
<i>Dissolved</i>					
Dissolved Inorganic Carbon-Dissolved		60	1.0	mg/L	9060
<i>Total Recoverable</i>					
Iron		600	500	ug/L	200.7 Rev 4.4
Boron		48	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
<i>Dissolved</i>					
Dissolved Inorganic Carbon-Dissolved		58	1.0	mg/L	9060
<i>Total Recoverable</i>					
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	Sengsouvana, Dom	DS
SW846 9060	Blackshear, Kim	KB
SM SM 2320B	Steward, Tiffany	TS
SM SM 2540C	Oonnoony, 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

Analytical Data

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

Date Sampled: 06/25/2010 1225

Client Matrix: Water

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	8.1	U	8.1	100
Iron	550		27	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

Analytical Data

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

Date Sampled: 06/25/2010 1200

Client Matrix: Water

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	8.1	100
Iron	310	I	27	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

Analytical Data

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	8.1	100
Iron	190	I	27	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

Analytical Data

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	8.1	U	8.1	100
Iron	600		27	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

Analytical Data

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	8.1	100
Iron	760		27	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

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35970-1

Sdg Number: 35970

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					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35970-1

Sdg Number: 35970

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					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35970-1

Sdg Number: 35970

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			

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35970-1

Sdg Number: 35970

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					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35970-1

Sdg Number: 35970

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					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35970-1

Sdg Number: 35970

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

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35970-1

Sdg Number: 35970

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

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35970-1

Sdg Number: 35970

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

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35970-1

Sdg Number: 35970

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

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35970-1

Sdg Number: 35970

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.

Quality Control Results

Client: Florida Power & Light Company

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

Method Blank - Batch: 640-70571

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

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

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

Analyte	Result	Qual	MDL	PQL
Barium	0.81	U	0.81	10
Iron	2.7	U	2.7	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

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

Quality Control Results

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
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0910
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70850
Prep Batch: 640-70571

Instrument ID: ICP2
Lab File ID: 071310.csv
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36031-B-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0913
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70850
Prep Batch: 640-70571

Instrument ID: ICP2
Lab File ID: 071310.csv
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
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
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0934
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: 5.0 mL
Final Weight/Volume: 50 mL

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

Quality Control Results

Client: Florida Power & Light Company

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

Method Blank - Batch: 660-96604

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

Method: 6010B
Preparation: 3005A
Total Recoverable

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

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

Method: 6010B
Preparation: 3005A
Total Recoverable

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

Quality Control Results

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	

Quality Control Results

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
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1314
Date Prepared: 06/30/2010 1004

Analysis Batch: 660-97236
Prep Batch: 660-96604

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

MSD Lab Sample ID: 660-36004-B-9-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1320
Date Prepared: 06/30/2010 1004

Analysis Batch: 660-97236
Prep Batch: 660-96604

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
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
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1314
Date Prepared: 06/30/2010 1004

Analysis Batch: 660-97236
Prep Batch: 660-96604

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

MSD Lab Sample ID: 660-36004-B-9-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1320
Date Prepared: 06/30/2010 1004

Analysis Batch: 660-97236
Prep Batch: 660-96604

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

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

Quality Control Results

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	

Quality Control Results

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
 Client Matrix: Water
 Dilution: 10
 Date Analyzed: 07/09/2010 0253
 Date Prepared: N/A

Analysis Batch: 660-96989
 Prep Batch: N/A

Instrument ID: DIONEX2
 Lab File ID: 40.0000.TXT
 Initial Weight/Volume:
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36016-J-3 MSD ^10
 Client Matrix: Water
 Dilution: 10
 Date Analyzed: 07/09/2010 0314
 Date Prepared: N/A

Analysis Batch: 660-96989
 Prep Batch: N/A

Instrument ID: DIONEX2
 Lab File ID: 41.0000.TXT
 Initial Weight/Volume:
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
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		

Quality Control Results

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	

Quality Control Results

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		

Quality Control Results

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 CaCO ₃	1.0 U	1.0	NC	30	U

Quality Control Results

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	

Quality Control Results

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

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

Phone (813) 885-7427 Fax (813) 885-7049

160-35970

DATE RECEIVED BY: ENVIRONMENTAL HEALTH

Page 39 of 47

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: 062510-TPCW-8m		SITE LOCATION:	
WELL NO:		DATE: 06-25-10	

PURGING DATA											
WELL DIAMETER (Inches): 2"	TUBING DIAMETER (Inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 36 feet to 37 feet	STATIC DEPTH TO WATER (feet): 1.35	PURGE PUMP TYPE OR BAILER: P10							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
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 µS/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
1157	.90	1.50	.09	1.30	1.05	25.29	.654	3.8(37)	2.19	"	"
1205	1.0	2.50	.125	1.30	7.06	25.29	.574	10.9(87)	1.18	"	"
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" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.008; 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): [Signature]	
PUMP OR TUBING DEPTH IN WELL (feet): 36		SAMPLING INITIATED AT: 1225	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> (replaced)		SAMPLING ENDED AT: 1250	
FIELD FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: 45 µm	
DUPLICATE: Y <input checked="" type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME
	1	PE	500 mL
	1	PE	250 mL
	1	PE	250 mL
	1	AG	125 mL
SAMPLE PRESERVATION			
PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
NaOH	500	10	Substrate
Nitric	250	1	Strontium
Nitric	250	2	mesg
HCl	125	2	DOC
SAMPLE PUMP FLOW RATE (mL per minute): 0.125			
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; RFP = 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

SITE NAME: 062510-TPCms-80		SITE LOCATION:	
WELL NO:	SAMPLE ID:	DATE: 06/25/10	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:		SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:		SAMPLING ENDED AT:			
J Jacoby		J Jacoby		1200		1212			
PUMP OR TUBING DEPTH IN WELL (feet): 57		TUBING MATERIAL CODE: T		FIELD-FILTERED: <input checked="" type="radio"/> Y <input type="radio"/> N		FILTER SIZE: 45 µm			
FIELD DECONTAMINATION: PUMP <input type="radio"/> Y <input checked="" type="radio"/> N		TUBING <input type="radio"/> Y <input checked="" type="radio"/> N (replaced)		DUPLICATE: <input type="radio"/> Y <input checked="" type="radio"/> 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	met 1/2	500	10	Sulfide	APP	50 mL
	1	PE	250 mL	NATL	250	1	Strontium	APP	20
	1	PE	250 mL	NATL	250	1	metals	APP	20
	1	AG	125 mL	HCL	125	2	Doe	APP	20
REMARKS:									
MATERIAL CODES: AG = Amber Glass; GG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = 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: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $\pm 0.2\text{ mg/L}$ or $\pm 10\%$ (whichever is greater) Turbidity: all readings $\leq 20\text{ NTU}$; optionally $\pm 5\text{ NTU}$ or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

062510-
SITE NAME: TPCW-98 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)
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
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: 1020 TOTAL VOLUME PURGED (gallons): 2.55
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)
10:04am 1 gal 1.11 2.95 7.12 25.93 0.541 mg/L 7.2% (0.54) 7.26 clear -
10:12am 1.75 gal 1.75 2.95 7.12 25.81 0.552 4.5 (0.36) 8.02 clear -
10:22 2.50 2.50 2.95 7.13 25.82 0.556 2.6 (0.21) 9.27 u u
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; 6" = 1.02; 8" = 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" = 0.008; 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. A. Hodges, S. Hodges ETE me. SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1030 SAMPLING ENDED AT: 1045
PUMP OR TUBING DEPTH IN WELL (feet): 18 TUBING MATERIAL CODE: T FIELD-FILTERED: N FILTER SIZE: 46 μm
FIELD DECONTAMINATION: PUMP Y TUBING Y (Displaced) DUPLICATE: Y
SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION INTENDED ANALYSIS AND/OR METHOD SAMPLING EQUIPMENT CODE SAMPLE PUMP FLOW RATE (gal. per minute)
SAMPLE ID CODE # CONTAINERS MATERIAL CODE VOLUME PRESERVATIVE USED TOTAL VOL ADDED IN FIELD (mL) FINAL pH
1 1 PE 600 mL nitric 500 10 Sulfide APP 0.075
1 1 PE 250 mL nitric 250 1 Ironium APP u
1 1 PE 250 mL nitric 250 2 metals APP u
1 1 AG 125 mL HCl 125 2 DOC APP u
REMARKS: Please see sample 198 for Cr/Co/As + nutrients for drinking water
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; RFPF = 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

GROUNDWATER SAMPLING LOG

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

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>J. Jacobs, S. Hodges</i> <i>ENE inc</i>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i> <i>[Signature]</i>			PUMPING INITIATED AT: <i>0955</i>		SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet): <i>35</i>				TUBING MATERIAL CODE: <i>T</i>		FIELD-FILTERED: <i>(Y)</i> N Filtration Equipment Type:			FILTER SIZE: <i>45</i> μ m	
FIELD DECONTAMINATION: PUMP <i>Y</i> <i>(D)</i> TUBING <i>Y</i> <i>(D)</i> (replaced)						DUPLICATE: <i>Y</i> <i>(D)</i>				
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				
	<i>1</i>	<i>PE</i>	<i>1500 mL</i>	<i>NaOH / Zn Ac</i>	<i>400-500</i>	<i>10</i>	<i>Soil Size</i>	<i>APP</i>	<i>1.125</i>	
	<i>1</i>	<i>PE</i>	<i>250 mL</i>	<i>NH₄Ac</i>	<i>250</i>	<i>5.1</i>	<i>Strawman</i>	<i>APP</i>	<i>11</i>	
	<i>1</i>	<i>AG</i>	<i>125 mL</i>	<i>HCl</i>	<i>125</i>	<i>1</i>	<i>DOC</i>	<i>APP</i>	<i>11</i>	
	<i>1</i>	<i>PE</i>	<i>250 mL</i>	<i>NH₄Ac</i>	<i>250</i>	<i>2</i>	<i>metals</i>	<i>APP</i>	<i>11</i>	
REMARKS: <i>Please see analysis sample 157 for Cu v/out analysis for remaining samples</i>										
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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = 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: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Form FD-9000-24

SITE NAME: 062510-TPCW-98		SITE LOCATION:	
WELL NO:		SAMPLE ID:	
		DATE: 06/25/10	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Serow, S. Hodges / ETEC				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 0930		SAMPLING ENDED AT: 0945	
PUMP OR TUBING DEPTH IN WELL (feet): 119				TUBING MATERIAL CODE: T			FIELD FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: 45 µm	
FIELD DECONTAMINATION: PUMP Y <input type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> (replaced)							DUPLICATE: Y <input checked="" type="checkbox"/>			
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	Acetic Acid	500	1.0	Sulfide	APP	5.118	
	1	PE	250mL	NiHCl	250	2	Sulfide	APP	1.1	
	1	AG	125mL	NiHCl	125	1	DOC	APP	1.1	
	1	PE	250mL	NiHCl	250	2	metals	APP	1.1	
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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = 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: $\pm 0.2^{\circ}\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 1.0\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (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

Creator: Volz, Charles

List Source: TestAmerica Tampa

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	