

ANALYTICAL REPORT

Job Number: 660-36195-1

SDG Number: 36195

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
9/1/2010 2:03 PM

Amy Atkins
Project Manager I
amy.atkins@testamericainc.com
09/01/2010

cc: Ms. Sharon Ewe

Methods: FDEP, DOH Certification #:TestAmerica Tampa E84282; 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



Job Narrative
660-36195-1

Receipt

All samples were received in good condition within temperature requirements.

Metals

Method 200.7 Rev 4.4: The following samples were diluted due to the nature of the sample matrix: 071210-TPGW-1D (660-36195-1), 071210-TPGW-1M (660-36195-2), 071210-TPGW-1S (660-36195-3).

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Calcium, Potassium and Sodium in batch 97347 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

General Chemistry

Method 300.0: The matrix spike (MS) recovery for batch 97477 was outside control limits for Fluoride. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 300.0: Due to sample matrix, the samples were pre-diluted for Fluoride.

Method SM 3500 CR B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 97217 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with J3.

Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 71115 sample 28772-1 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 365.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 71097 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with J3.

Method SM 4500 P E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 70915 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with J3.

Method SM 4500 P E: The OP results are significantly higher than the TP results due to severe matrix interference caused by the saline matrix.

Method SM 4500 NH3 G: Due to the high concentration of ammonia, the matrix spike / matrix spike duplicate (MS/MSD) for batch 174492 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36195-1	071210-TPGW-1D				
Field pH		7.00		SU	Field Sampling
Field Temperature		26.49		Degrees C	Field Sampling
Oxygen, Dissolved		3.7		mg/L	Field Sampling
Specific Conductance		59870		umhos/cm	Field Sampling
Turbidity		1.06		NTU	Field Sampling
Bromide		82	5.0	mg/L	300.0
Chloride		27000	500	mg/L	300.0
Sulfate		3600	50	mg/L	300.0
Nitrogen, Kjeldahl		2.1	0.20	mg/L	351.2
Phosphorus		0.023	0.010	mg/L	365.1
Alkalinity		180	1.0	mg/L	SM 2320B
Total Dissolved Solids		59000	250	mg/L	SM 2540C
Chromium (hexavalent)		6.0 I J3	10	ug/L	SM 3500 CR B
Ammonia		1.9	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		2.1	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.014	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		5100	2500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		38	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.061	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		150	100	ug/L	200.7 Rev 4.4
Iron		630 V	500	ug/L	200.7 Rev 4.4
Manganese		34 I	100	ug/L	200.7 Rev 4.4
Molybdenum		4.9 I	100	ug/L	200.7 Rev 4.4
Thallium		28 I	100	ug/L	200.7 Rev 4.4
Vanadium		7.5 I	100	ug/L	200.7 Rev 4.4
Zinc		54 I V	200	ug/L	200.7 Rev 4.4
Boron		6200	500	ug/L	6010B
Calcium		650	5.0	mg/L	6010B
Potassium		590	200	mg/L	6010B
Strontium		12000	50	ug/L	6010B
Magnesium		2000	0.80	mg/L	6010B
Sodium		16000	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36195-2	071210-TPGW-1M				
Field pH		7.04		SU	Field Sampling
Field Temperature		26.59		Degrees C	Field Sampling
Oxygen, Dissolved		11.0		mg/L	Field Sampling
Specific Conductance		61220		umhos/cm	Field Sampling
Turbidity		4.65		NTU	Field Sampling
Bromide		82	5.0	mg/L	300.0
Chloride		27000	500	mg/L	300.0
Sulfate		3600	50	mg/L	300.0
Nitrogen, Kjeldahl		2.2	0.20	mg/L	351.2
Phosphorus		0.023	0.010	mg/L	365.1
Alkalinity		180	1.0	mg/L	SM 2320B
Total Dissolved Solids		61000	250	mg/L	SM 2540C
Ammonia		15	0.50	mg/L	SM 4500 NH3 G
Nitrogen, Total		2.2	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.13	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		5300	2500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		39	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.055	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Arsenic		13 I	100	ug/L	200.7 Rev 4.4
Barium		160	100	ug/L	200.7 Rev 4.4
Iron		1200 V	500	ug/L	200.7 Rev 4.4
Manganese		120	100	ug/L	200.7 Rev 4.4
Molybdenum		7.3 I	100	ug/L	200.7 Rev 4.4
Vanadium		7.1 I	100	ug/L	200.7 Rev 4.4
Zinc		51 I V	200	ug/L	200.7 Rev 4.4
Boron		6200	500	ug/L	6010B
Calcium		660	5.0	mg/L	6010B
Potassium		570	200	mg/L	6010B
Strontium		12000	50	ug/L	6010B
Magnesium		1900	0.80	mg/L	6010B
Sodium		15000	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36195-3	071210-TPGW-1S				
Field pH		7.08		SU	Field Sampling
Field Temperature		26.66		Degrees C	Field Sampling
Oxygen, Dissolved		1.6		mg/L	Field Sampling
Specific Conductance		53720		umhos/cm	Field Sampling
Turbidity		1.56		NTU	Field Sampling
Bromide		69	5.0	mg/L	300.0
Chloride		23000	500	mg/L	300.0
Sulfate		3100	50	mg/L	300.0
Nitrogen, Kjeldahl		1.6	0.20	mg/L	351.2
Phosphorus		0.021	0.010	mg/L	365.1
Alkalinity		200	1.0	mg/L	SM 2320B
Total Dissolved Solids		49000	250	mg/L	SM 2540C
Ammonia		37	1.0	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.6	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.34	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		5000	2500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		45	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.050	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		150	100	ug/L	200.7 Rev 4.4
Iron		780 V	500	ug/L	200.7 Rev 4.4
Manganese		47 I	100	ug/L	200.7 Rev 4.4
Molybdenum		6.0 I	100	ug/L	200.7 Rev 4.4
Vanadium		9.4 I	100	ug/L	200.7 Rev 4.4
Zinc		47 I V	200	ug/L	200.7 Rev 4.4
Boron		5200	500	ug/L	6010B
Calcium		620	5.0	mg/L	6010B
Potassium		490	200	mg/L	6010B
Strontium		11000	50	ug/L	6010B
Magnesium		1700	0.80	mg/L	6010B
Sodium		13000	100	mg/L	6010B

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL SAV	40CFR136A 200.7 Rev 4.4	
Sample Filtration	TAL SAV		FILTRATION
Metals (ICP)	TAL TAL	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL TAL		EPA 200.7
Mercury (CVAA)	TAL TAM	EPA 245.1	
Preparation, Mercury	TAL TAM		EPA 245.1
Metals (ICP)	TAL TAM	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL TAM		SW846 3005A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Nitrogen, Total Kjeldahl	TAL TAM	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL TAM		MCAWW 351.2
Nitrogen, Nitrate-Nitrite	TAL TAL	MCAWW 353.2	
Phosphorus, Total	TAL TAL	EPA 365.1	
Phosphorus, Total	TAL TAL		MCAWW 365.2/365.3/365
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	
Chromium, Hexavalent	TAL TAM	SM SM 3500 CR B	
Ammonia	TAL SAV	SM SM 4500 NH3 G	
Ammonia, Distillation	TAL SAV		SM SM 4500 NH3 B
Orthophosphate	TAL TAL	SM SM 4500 P E	
Sample Filtration, Field	TAL TAL		FIELD_FLTRD
Sulfide, Total	TAL TAM	SM SM 4500 S2 F	
Nitrogen, Total	TAL TAL	EPA Total Nitrogen	
Ammonia, Unionized	TAL SAV	FL-DEP UnionizedNH3	
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAL = TestAmerica Tallahassee

TAL TAM = TestAmerica Tampa

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Description	Lab Location	Method	Preparation Method
-------------	--------------	--------	--------------------

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

FL-DEP = State Of Florida Department Of Environmental Protection, Florida Administrative Code.

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: 660-36195-1

Sdg Number: 36195

Method	Analyst	Analyst ID
40CFR136A 200.7 Rev 4.4	Bland, Brian	BCB
EPA 200.7 Rev 4.4	Wallace, Tiffany B	TBW
EPA 245.1	Wieland, Kristen	KW
SW846 6010B	Fox, Greg	GF
EPA Field Sampling	Sampler, Field	FS
MCAWW 300.0	Sengsouvana, Dom	DS
MCAWW 351.2	Office, Trey	TO
MCAWW 353.2	Williams, Tabatha D	TDW
EPA 365.1	Carlisle, Felicia F	FFC
SW846 9060	Blackshear, Kim	KB
SM SM 2320B	Steward, Tiffany	TS
SM SM 2540C	Oonnoony, Thomas	TO
SM SM 3500 CR B	Martin, Randolph	RM
SM SM 4500 NH3 G	Ross, Jon	JR
SM SM 4500 P E	Williams, Tabatha D	TDW
SM SM 4500 S2 F	Mostafavifar, Efe	EM
EPA Total Nitrogen	Wallace, Tiffany B	TBW
FL-DEP UnionizedNH3	Ross, Jon	JR

SAMPLE SUMMARY

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-36195-1	071210-TPGW-1D	Water	07/12/2010 1039	07/13/2010 0900
660-36195-2	071210-TPGW-1M	Water	07/12/2010 1135	07/13/2010 0900
660-36195-3	071210-TPGW-1S	Water	07/12/2010 1230	07/13/2010 0900

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Client Sample ID: 071210-TPGW-1D

Lab Sample ID: 660-36195-1

Date Sampled: 07/12/2010 1039

Client Matrix: Water

Date Received: 07/13/2010 0900

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-71119	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-71054	Lab File ID:	072110.csv
Dilution:	1.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/21/2010 0933		Final Weight/Volume:	50 mL
Date Prepared:	07/20/2010 1050			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	100
Barium	150		8.1	100
Beryllium	1.8	U	1.8	40
Cadmium	3.8	U	3.8	50
Copper	3.3	U	3.3	200
Iron	630	V	27	500
Lead	24	U	24	50
Manganese	34	I	4.6	100
Molybdenum	4.9	I	4.7	100
Nickel	14	U	14	400
Selenium	34	U	34	100
Thallium	28	I	16	100
Vanadium	7.5	I	5.2	100
Zinc	54	I V	17	200

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-174801	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E07202010A_SI.csv
Dilution:	5.0		Initial Weight/Volume:	
Date Analyzed:	07/20/2010 1522		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO ₂ , Silica	5100		250	2500

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 660-97258	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-97220	Lab File ID:	10G15PS.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/15/2010 1414		Final Weight/Volume:	25 mL
Date Prepared:	07/15/2010 0900			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

6010B Metals (ICP)-Total Recoverable

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Client Sample ID: 071210-TPGW-1D

Lab Sample ID: 660-36195-1

Date Sampled: 07/12/2010 1039

Client Matrix: Water

Date Received: 07/13/2010 0900

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97533	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97347	Lab File ID:	10G22A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/22/2010 1132		Final Weight/Volume:	50 mL
Date Prepared:	07/19/2010 0821			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	650		1.0	5.0
Magnesium	2000		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	6200		100	500
Strontium	12000		10	50

Method:	6010B	Analysis Batch: 660-97533	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97347	Lab File ID:	10G22A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	07/22/2010 1157	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	07/19/2010 0821			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	590		38	200
Sodium	16000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Client Sample ID: 071210-TPGW-1M

Lab Sample ID: 660-36195-2

Date Sampled: 07/12/2010 1135

Client Matrix: Water

Date Received: 07/13/2010 0900

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-71119	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-71054	Lab File ID:	072110.csv
Dilution:	1.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/21/2010 0936		Final Weight/Volume:	50 mL
Date Prepared:	07/20/2010 1050			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	13	I	12	100
Barium	160		8.1	100
Beryllium	1.8	U	1.8	40
Cadmium	3.8	U	3.8	50
Copper	3.3	U	3.3	200
Iron	1200	V	27	500
Lead	24	U	24	50
Manganese	120		4.6	100
Molybdenum	7.3	I	4.7	100
Nickel	14	U	14	400
Selenium	34	U	34	100
Thallium	16	U	16	100
Vanadium	7.1	I	5.2	100
Zinc	51	I V	17	200

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-174801	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E07202010A_SI.csv
Dilution:	5.0		Initial Weight/Volume:	
Date Analyzed:	07/20/2010 1525		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO ₂ , Silica	5300		250	2500

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 660-97258	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-97220	Lab File ID:	10G15PS.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/15/2010 1416		Final Weight/Volume:	25 mL
Date Prepared:	07/15/2010 0900			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

6010B Metals (ICP)-Total Recoverable

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Client Sample ID: 071210-TPGW-1M

Lab Sample ID: 660-36195-2

Date Sampled: 07/12/2010 1135

Client Matrix: Water

Date Received: 07/13/2010 0900

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97533	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97347	Lab File ID:	10G22A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/22/2010 1145		Final Weight/Volume:	50 mL
Date Prepared:	07/19/2010 0821			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	660		1.0	5.0
Magnesium	1900		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	6200		100	500
Strontium	12000		10	50

Method:	6010B	Analysis Batch: 660-97533	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97347	Lab File ID:	10G22A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	07/22/2010 1203	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	07/19/2010 0821			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	570		38	200
Sodium	15000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Client Sample ID: 071210-TPGW-1S

Lab Sample ID: 660-36195-3

Date Sampled: 07/12/2010 1230

Client Matrix: Water

Date Received: 07/13/2010 0900

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-71119	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-71054	Lab File ID:	072110.csv
Dilution:	1.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/21/2010 0940		Final Weight/Volume:	50 mL
Date Prepared:	07/20/2010 1050			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	100
Barium	150		8.1	100
Beryllium	1.8	U	1.8	40
Cadmium	3.8	U	3.8	50
Copper	3.3	U	3.3	200
Iron	780	V	27	500
Lead	24	U	24	50
Manganese	47	I	4.6	100
Molybdenum	6.0	I	4.7	100
Nickel	14	U	14	400
Selenium	34	U	34	100
Thallium	16	U	16	100
Vanadium	9.4	I	5.2	100
Zinc	47	I V	17	200

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-174801	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E07202010A_SI.csv
Dilution:	5.0		Initial Weight/Volume:	
Date Analyzed:	07/20/2010 1528		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	5000		250	2500

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 660-97258	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-97220	Lab File ID:	10G15PS.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/15/2010 1418		Final Weight/Volume:	25 mL
Date Prepared:	07/15/2010 0900			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U	0.072	0.20

6010B Metals (ICP)-Total Recoverable

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Client Sample ID: 071210-TPGW-1S

Lab Sample ID: 660-36195-3

Date Sampled: 07/12/2010 1230

Client Matrix: Water

Date Received: 07/13/2010 0900

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97533	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97347	Lab File ID:	10G22A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/22/2010 1151		Final Weight/Volume:	50 mL
Date Prepared:	07/19/2010 0821			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	620		1.0	5.0
Magnesium	1700		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5200		100	500
Strontium	11000		10	50

Method:	6010B	Analysis Batch: 660-97533	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97347	Lab File ID:	10G22A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	07/22/2010 1209	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	07/19/2010 0821			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	490		38	200
Sodium	13000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

General Chemistry

Client Sample ID: 071210-TPGW-1D

Lab Sample ID: 660-36195-1

Date Sampled: 07/12/2010 1039

Client Matrix: Water

Date Received: 07/13/2010 0900

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	82		mg/L	2.7	5.0	100	300.0
Run Type: DL3	Analysis Batch: 660-97525	Date Analyzed: 07/21/2010 2205					
Chloride	27000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97477	Date Analyzed: 07/21/2010 0240					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97477	Date Analyzed: 07/20/2010 2200					
Sulfate	3600		mg/L	20	50	100	300.0
Run Type: DL	Analysis Batch: 660-97477	Date Analyzed: 07/21/2010 0148					
Nitrogen, Kjeldahl	2.1		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-97195	Date Analyzed: 07/14/2010 1425					
	Prep Batch: 660-97149	Date Prepared: 07/13/2010 1700					
Nitrate Nitrite as N	0.0047	U	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-71115	Date Analyzed: 07/21/2010 1103					
Phosphorus	0.023		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-71097	Date Analyzed: 07/21/2010 1200					
	Prep Batch: 640-71078	Date Prepared: 07/20/2010 1656					
Chromium (hexavalent)	6.0	I J3	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-97217	Date Analyzed: 07/13/2010 1020					
Ammonia	1.9		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-174492	Date Analyzed: 07/16/2010 1629					
	Prep Batch: 680-174428	Date Prepared: 07/16/2010 1230					
ortho-Phosphate-Dissolved	0.061		mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-70915	Date Analyzed: 07/13/2010 1436					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	38		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-174394	Date Analyzed: 07/15/2010 1023					
Alkalinity	180		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-97310	Date Analyzed: 07/16/2010 1112					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-97310	Date Analyzed: 07/16/2010 1112					
Total Dissolved Solids	59000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-97176	Date Analyzed: 07/14/2010 1233					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-97326	Date Analyzed: 07/15/2010 1830					
Nitrogen, Total	2.1		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-71120	Date Analyzed: 07/21/2010 2047					
Unionized Ammonia	0.014		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-174533	Date Analyzed: 07/19/2010 0811					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

General Chemistry

Client Sample ID: 071210-TPGW-1M

Lab Sample ID: 660-36195-2

Date Sampled: 07/12/2010 1135

Client Matrix: Water

Date Received: 07/13/2010 0900

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	82		mg/L	2.7	5.0	100	300.0
Run Type: DL3	Analysis Batch: 660-97525	Date Analyzed: 07/21/2010 2222					
Chloride	27000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97477	Date Analyzed: 07/21/2010 0258					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97477	Date Analyzed: 07/20/2010 2218					
Sulfate	3600		mg/L	20	50	100	300.0
Run Type: DL	Analysis Batch: 660-97477	Date Analyzed: 07/21/2010 0205					
Nitrogen, Kjeldahl	2.2		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-97195	Date Analyzed: 07/14/2010 1426					
	Prep Batch: 660-97149	Date Prepared: 07/13/2010 1700					
Nitrate Nitrite as N	0.0047	U	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-71115	Date Analyzed: 07/21/2010 1105					
Phosphorus	0.023		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-71097	Date Analyzed: 07/21/2010 1201					
	Prep Batch: 640-71078	Date Prepared: 07/20/2010 1656					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-97217	Date Analyzed: 07/13/2010 1020					
Ammonia	15		mg/L	0.26	0.50	10	SM 4500 NH3
	Analysis Batch: 680-174492	Date Analyzed: 07/16/2010 1708					
	Prep Batch: 680-174428	Date Prepared: 07/16/2010 1230					
ortho-Phosphate-Dissolved	0.055		mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-70915	Date Analyzed: 07/13/2010 1425					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	39		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-174394	Date Analyzed: 07/15/2010 1023					
Alkalinity	180		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-97310	Date Analyzed: 07/16/2010 1118					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-97310	Date Analyzed: 07/16/2010 1118					
Total Dissolved Solids	61000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-97176	Date Analyzed: 07/14/2010 1234					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-97326	Date Analyzed: 07/15/2010 1830					
Nitrogen, Total	2.2		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-71120	Date Analyzed: 07/21/2010 2047					
Unionized Ammonia	0.13		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-174533	Date Analyzed: 07/19/2010 0811					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

General Chemistry**Client Sample ID: 071210-TPGW-1S**

Lab Sample ID: 660-36195-3

Date Sampled: 07/12/2010 1230

Client Matrix: Water

Date Received: 07/13/2010 0900

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	69		mg/L	2.7	5.0	100	300.0
Run Type: DL3	Analysis Batch: 660-97525	Date Analyzed: 07/21/2010 2240					
Chloride	23000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97477	Date Analyzed: 07/21/2010 0315					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97477	Date Analyzed: 07/20/2010 2235					
Sulfate	3100		mg/L	20	50	100	300.0
Run Type: DL	Analysis Batch: 660-97477	Date Analyzed: 07/21/2010 0223					
Nitrogen, Kjeldahl	1.6		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-97195	Date Analyzed: 07/14/2010 1427					
	Prep Batch: 660-97149	Date Prepared: 07/13/2010 1700					
Nitrate Nitrite as N	0.0047	U	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-71115	Date Analyzed: 07/21/2010 1106					
Phosphorus	0.021		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-71097	Date Analyzed: 07/21/2010 1203					
	Prep Batch: 640-71078	Date Prepared: 07/20/2010 1656					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-97217	Date Analyzed: 07/13/2010 1020					
Ammonia	37		mg/L	0.52	1.0	20	SM 4500 NH3
	Analysis Batch: 680-174492	Date Analyzed: 07/16/2010 1718					
	Prep Batch: 680-174428	Date Prepared: 07/16/2010 1230					
ortho-Phosphate-Dissolved	0.050		mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-70915	Date Analyzed: 07/13/2010 1427					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic	45		mg/L	1.0	1.0	1.0	9060
Carbon-Dissolved	Analysis Batch: 680-174394	Date Analyzed: 07/15/2010 1023					
Alkalinity	200		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-97310	Date Analyzed: 07/16/2010 1123					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-97310	Date Analyzed: 07/16/2010 1123					
Total Dissolved Solids	49000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-97176	Date Analyzed: 07/14/2010 1235					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-97326	Date Analyzed: 07/15/2010 1830					
Nitrogen, Total	1.6		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-71120	Date Analyzed: 07/21/2010 2047					
Unionized Ammonia	0.34		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-174533	Date Analyzed: 07/19/2010 0811					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Field Service / Mobile Lab**Client Sample ID:** 071210-TPGW-1D

Lab Sample ID: 660-36195-1

Date Sampled: 07/12/2010 1039

Client Matrix: Water

Date Received: 07/13/2010 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.00		SU	1.0	Field Sampling	660-97501	07/12/2010 1039
Field Temperature	26.49		Degrees C	1.0	Field Sampling	660-97501	07/12/2010 1039
Oxygen, Dissolved	3.7		mg/L	1.0	Field Sampling	660-97501	07/12/2010 1039
Specific Conductance	59870		umhos/cm	1.0	Field Sampling	660-97501	07/12/2010 1039
Turbidity	1.06		NTU	1.0	Field Sampling	660-97501	07/12/2010 1039

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Field Service / Mobile Lab**Client Sample ID:** 071210-TPGW-1M

Lab Sample ID: 660-36195-2

Date Sampled: 07/12/2010 1135

Client Matrix: Water

Date Received: 07/13/2010 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.04		SU	1.0	Field Sampling	660-97501	07/12/2010 1135
Field Temperature	26.59		Degrees C	1.0	Field Sampling	660-97501	07/12/2010 1135
Oxygen, Dissolved	11.0		mg/L	1.0	Field Sampling	660-97501	07/12/2010 1135
Specific Conductance	61220		umhos/cm	1.0	Field Sampling	660-97501	07/12/2010 1135
Turbidity	4.65		NTU	1.0	Field Sampling	660-97501	07/12/2010 1135

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Field Service / Mobile Lab**Client Sample ID: 071210-TPGW-1S**

Lab Sample ID: 660-36195-3

Date Sampled: 07/12/2010 1230

Client Matrix: Water

Date Received: 07/13/2010 0900

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.08		SU	1.0	Field Sampling	660-97501	07/12/2010 1230
Field Temperature	26.66		Degrees C	1.0	Field Sampling	660-97501	07/12/2010 1230
Oxygen, Dissolved	1.6		mg/L	1.0	Field Sampling	660-97501	07/12/2010 1230
Specific Conductance	53720		umhos/cm	1.0	Field Sampling	660-97501	07/12/2010 1230
Turbidity	1.56		NTU	1.0	Field Sampling	660-97501	07/12/2010 1230

DATA REPORTING QUALIFIERS

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

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.
	V	Indicates the analyte was detected in both the sample and the associated method blank.
	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: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 680-174801

Method: 200.7 Rev 4.4

Preparation: N/A

Lab Sample ID: MB 680-174777/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/20/2010 1353
Date Prepared: N/A

Analysis Batch: 680-174801
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: E07202010A_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	PQL
SiO2, Silica	50	U	50	500

Lab Control Sample - Batch: 680-174801

Method: 200.7 Rev 4.4

Preparation: N/A

Lab Sample ID: LCS 680-174777/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/20/2010 1356
Date Prepared: N/A

Analysis Batch: 680-174801
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: E07202010A_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
SiO2, Silica	10000	8810	88	85 - 115	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-174801

Method: 200.7 Rev 4.4

Preparation: N/A

MS Lab Sample ID: 680-59377-E-1-D MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/20/2010 1436
Date Prepared: N/A

Analysis Batch: 680-174801
Prep Batch: N/A

Instrument ID: Varian ICP
Lab File ID: E07202010A_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

MSD Lab Sample ID: 680-59377-E-1-E MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/20/2010 1439
Date Prepared: N/A

Analysis Batch: 680-174801
Prep Batch: N/A

Instrument ID: Varian ICP
Lab File ID: E07202010A_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
SiO2, Silica	111	121	75 - 125	2	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 640-71054

Lab Sample ID: MB 640-71054/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 0957
Date Prepared: 07/20/2010 1050

Analysis Batch: 640-71119
Prep Batch: 640-71054
Units: ug/L

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Instrument ID: ICP2
Lab File ID: 072110.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	1.2	U	1.2	10
Barium	0.81	U	0.81	10
Beryllium	0.247	I	0.18	4.0
Cadmium	0.38	U	0.38	5.0
Copper	0.917	I	0.33	20
Iron	13.5	I	2.7	50
Lead	2.4	U	2.4	5.0
Manganese	0.46	U	0.46	10
Molybdenum	0.47	U	0.47	10
Nickel	1.4	U	1.4	40
Selenium	3.4	U	3.4	10
Thallium	1.6	U	1.6	10
Vanadium	0.52	U	0.52	10
Zinc	5.22	I	1.7	20

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 640-71054

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

LCS Lab Sample ID: LCS 640-71054/2-A

Analysis Batch: 640-71119

Instrument ID: ICP2

Client Matrix: Water

Prep Batch: 640-71054

Lab File ID: 072110.csv

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 50 mL

Date Analyzed: 07/21/2010 1007

Final Weight/Volume: 50 mL

Date Prepared: 07/20/2010 1050

LCSD Lab Sample ID: LCSD 640-71054/3-A

Analysis Batch: 640-71119

Instrument ID: ICP2

Client Matrix: Water

Prep Batch: 640-71054

Lab File ID: 072110.csv

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 50 mL

Date Analyzed: 07/21/2010 1011

Final Weight/Volume: 50 mL

Date Prepared: 07/20/2010 1050

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	104	102	85 - 115	2	20		
Barium	107	105	85 - 115	2	20		
Beryllium	111	109	85 - 115	2	20		
Cadmium	109	106	85 - 115	3	20		
Copper	106	104	85 - 115	2	20		
Iron	104	102	85 - 115	2	20		
Lead	104	102	85 - 115	2	20		
Manganese	109	107	85 - 115	2	20		
Molybdenum	102	100	85 - 115	2	20		
Nickel	105	104	85 - 115	2	20		
Selenium	107	104	85 - 115	3	20		
Thallium	109	108	85 - 115	2	20		
Vanadium	105	103	85 - 115	2	20		
Zinc	107	105	85 - 115	2	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-71054

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

MS Lab Sample ID: 660-36167-O-1-F MS
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/21/2010 0905
 Date Prepared: 07/20/2010 1050

Analysis Batch: 640-71119
 Prep Batch: 640-71054

Instrument ID: ICP2
 Lab File ID: 072110.csv
 Initial Weight/Volume: 5.0 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36167-O-1-G MSD
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/21/2010 0909
 Date Prepared: 07/20/2010 1050

Analysis Batch: 640-71119
 Prep Batch: 640-71054

Instrument ID: ICP2
 Lab File ID: 072110.csv
 Initial Weight/Volume: 5.0 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	106	103	70 - 130	3	20		
Barium	104	103	70 - 130	2	20		
Beryllium	109	107	70 - 130	2	20		
Cadmium	111	108	70 - 130	2	20		
Copper	106	104	70 - 130	2	20		
Iron	99	98	70 - 130	1	20		
Lead	100	99	70 - 130	1	20		
Manganese	106	104	70 - 130	2	20		
Molybdenum	100	98	70 - 130	1	20		
Nickel	102	100	70 - 130	2	20		
Selenium	107	105	70 - 130	2	20		
Thallium	103	101	70 - 130	1	20		
Vanadium	103	101	70 - 130	2	20		
Zinc	102	101	70 - 130	2	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Duplicate - Batch: 640-71054

Lab Sample ID: 660-36167-O-1-E DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 0902
Date Prepared: 07/20/2010 1050

Analysis Batch: 640-71119
Prep Batch: 640-71054
Units: ug/L

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Instrument ID: ICP2
Lab File ID: 072110.csv
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	12	U	12	NC	20	U
Barium	82	I	74.0	11	20	I
Beryllium	1.8	U	1.8	NC	20	U
Cadmium	3.8	U	3.8	NC	20	U
Copper	3.3	U	3.3	NC	20	U
Iron	27	U	27	NC	20	U
Lead	26	I	24	NC	20	U
Manganese	12	I	12.5	4	20	I
Molybdenum	11	I	10.4	5	20	I
Nickel	14	U	14	NC	20	U
Selenium	34	U	34	NC	20	U
Thallium	16	I	16	NC	20	U
Vanadium	12	I	11.9	3	20	I
Zinc	47	I	49.9	5	20	I

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 660-97220

Method: 245.1

Preparation: 245.1

Lab Sample ID: MB 660-97220/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1358
Date Prepared: 07/15/2010 0900

Analysis Batch: 660-97258
Prep Batch: 660-97220
Units: ug/L

Instrument ID: PS200II
Lab File ID: 10G15PS.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.072	U	0.072	0.20

Lab Control Sample - Batch: 660-97220

Method: 245.1

Preparation: 245.1

Lab Sample ID: LCS 660-97220/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1400
Date Prepared: 07/15/2010 0900

Analysis Batch: 660-97258
Prep Batch: 660-97220
Units: ug/L

Instrument ID: PS200II
Lab File ID: 10G15PS.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	1.00	100	85 - 115	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97220

Method: 245.1

Preparation: 245.1

MS Lab Sample ID: 660-36216-D-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1407
Date Prepared: 07/15/2010 0900

Analysis Batch: 660-97258
Prep Batch: 660-97220

Instrument ID: PS200II
Lab File ID: 10G15PS.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 660-36216-D-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1409
Date Prepared: 07/15/2010 0900

Analysis Batch: 660-97258
Prep Batch: 660-97220

Instrument ID: PS200II
Lab File ID: 10G15PS.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	95	97	85 - 115	3	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 660-97347

Lab Sample ID: MB 660-97347/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 0903
Date Prepared: 07/19/2010 0821

Analysis Batch: 660-97533
Prep Batch: 660-97347
Units: mg/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 10G22A
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: 660-97347

Lab Sample ID: MB 660-97347/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 0903
Date Prepared: 07/19/2010 0821

Analysis Batch: 660-97533
Prep Batch: 660-97347
Units: ug/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 10G22A
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: 660-36195-1

Sdg Number: 36195

Lab Control Sample - Batch: 660-97347

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-97347/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 0909
Date Prepared: 07/19/2010 0821

Analysis Batch: 660-97533
Prep Batch: 660-97347
Units: mg/L

Instrument ID: ICPA
Lab File ID: 10G22A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	1.00	1.07	107	75 - 125	
Potassium	10.0	10.1	101	75 - 125	
Magnesium	1.00	1.04	104	75 - 125	
Sodium	10.0	9.82	98	75 - 125	

Lab Control Sample - Batch: 660-97347

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-97347/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 0909
Date Prepared: 07/19/2010 0821

Analysis Batch: 660-97533
Prep Batch: 660-97347
Units: ug/L

Instrument ID: ICPA
Lab File ID: 10G22A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Boron	1000	1000	100	75 - 125	
Strontium	1000	1060	106	75 - 125	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97347

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-36213-E-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 0927
Date Prepared: 07/19/2010 0821

Analysis Batch: 660-97533
Prep Batch: 660-97347

Instrument ID: ICPA
Lab File ID: 10G22A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36213-E-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 0933
Date Prepared: 07/19/2010 0821

Analysis Batch: 660-97533
Prep Batch: 660-97347

Instrument ID: ICPA
Lab File ID: 10G22A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Calcium	186	173	75 - 125	0	20	J3	J3
Potassium	127	130	75 - 125	2	20	J3	J3
Magnesium	105	107	75 - 125	0	20		
Sodium	130	155	75 - 125	2	20	J3	J3

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97347

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-36213-E-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 0927
Date Prepared: 07/19/2010 0821

Analysis Batch: 660-97533
Prep Batch: 660-97347

Instrument ID: ICPA
Lab File ID: 10G22A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36213-E-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 0933
Date Prepared: 07/19/2010 0821

Analysis Batch: 660-97533
Prep Batch: 660-97347

Instrument ID: ICPA
Lab File ID: 10G22A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Boron	103	104	75 - 125	1	20		
Strontium	105	107	75 - 125	1	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 660-97477

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-97477/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/20/2010 1842
Date Prepared: N/A

Analysis Batch: 660-97477
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 10.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
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: 660-97477

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-97477/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/20/2010 1905
Date Prepared: N/A

Analysis Batch: 660-97477
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	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	10.0	10.2	102	90 - 110	
Fluoride	1.00	0.965	96	90 - 110	
Sulfate	10.0	10.3	103	90 - 110	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97477

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-36287-B-2 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/20/2010 1958
Date Prepared: N/A

Analysis Batch: 660-97477
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: 660-36287-B-2 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/20/2010 2015
Date Prepared: N/A

Analysis Batch: 660-97477
Prep Batch: N/A

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Fluoride	88	91	90 - 110	2	30	J3	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97477

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-36148-A-1 MS
Client Matrix: Water
Dilution: 1000
Date Analyzed: 07/21/2010 0020
Date Prepared: N/A

Analysis Batch: 660-97477
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 29.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36148-A-1 MSD
Client Matrix: Water
Dilution: 1000
Date Analyzed: 07/21/2010 0038
Date Prepared: N/A

Analysis Batch: 660-97477
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 30.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloride	98	98	90 - 110	0	30		
Sulfate	96	95	90 - 110	1	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 660-97525

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-97525/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1900
Date Prepared: N/A

Analysis Batch: 660-97525
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 10.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Bromide	0.027	U	0.027	0.050

Lab Control Sample - Batch: 660-97525

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-97525/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1936
Date Prepared: N/A

Analysis Batch: 660-97525
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	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	0.906	91	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97525

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-36118-I-2 MS ^1000
Client Matrix: Water
Dilution: 1000
Date Analyzed: 07/21/2010 2332
Date Prepared: N/A

Analysis Batch: 660-97525
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 22.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36118-I-2 MSD
Client Matrix: Water
Dilution: 1000
Date Analyzed: 07/21/2010 2350
Date Prepared: N/A

Analysis Batch: 660-97525
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 23.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	91	91	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 660-97149

Method: 351.2

Preparation: 351.2

Lab Sample ID: MB 660-97149/10-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1357
Date Prepared: 07/13/2010 1700

Analysis Batch: 660-97195
Prep Batch: 660-97149
Units: mg/L

Instrument ID: LACHAT
Lab File ID: 07.14.10.TKN.2.txt
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	PQL
Nitrogen, Kjeldahl	0.050	U	0.050	0.20

Lab Control Sample - Batch: 660-97149

Method: 351.2

Preparation: 351.2

Lab Sample ID: LCS 660-97149/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1358
Date Prepared: 07/13/2010 1700

Analysis Batch: 660-97195
Prep Batch: 660-97149
Units: mg/L

Instrument ID: LACHAT
Lab File ID: 07.14.10.TKN.2.txt
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrogen, Kjeldahl	3.00	3.09	103	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97149

Method: 351.2

Preparation: 351.2

MS Lab Sample ID: 660-36118-D-2-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1417
Date Prepared: 07/13/2010 1700

Analysis Batch: 660-97195
Prep Batch: 660-97149

Instrument ID: LACHAT
Lab File ID: 07.14.10.TKN.2.txt
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

MSD Lab Sample ID: 660-36118-D-2-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1418
Date Prepared: 07/13/2010 1700

Analysis Batch: 660-97195
Prep Batch: 660-97149

Instrument ID: LACHAT
Lab File ID: 07.14.10.TKN.2.txt
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitrogen, Kjeldahl	99	99	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 640-71115

Method: 353.2

Preparation: N/A

Lab Sample ID: MB 640-71115/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1006
Date Prepared: N/A

Analysis Batch: 640-71115
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3072110A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Result	Qual	MDL	PQL
Nitrate Nitrite as N	0.0047	U	0.0047	0.010

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 640-71115

Method: 353.2

Preparation: N/A

LCS Lab Sample ID: LCS 640-71115/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1009
Date Prepared: N/A

Analysis Batch: 640-71115
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3072110A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-71115/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1010
Date Prepared: N/A

Analysis Batch: 640-71115
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3072110A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Nitrate Nitrite as N	102	101	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-71115

Method: 353.2

Preparation: N/A

MS Lab Sample ID: 640-28772-A-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1017
Date Prepared: N/A

Analysis Batch: 640-71115
Prep Batch: N/A

Instrument ID: ASTORIA
Lab File ID: NO2+NO3072110A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28772-A-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1018
Date Prepared: N/A

Analysis Batch: 640-71115
Prep Batch: N/A

Instrument ID: ASTORIA
Lab File ID: NO2+NO3072110A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitrate Nitrite as N	114	115	90 - 110	1	30	J3	J3

Duplicate - Batch: 640-71115

Method: 353.2

Preparation: N/A

Lab Sample ID: 640-28772-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1015
Date Prepared: N/A

Analysis Batch: 640-71115
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3072110A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate Nitrite as N	0.0047	U	0.0047	NC	30	U

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 640-71078

Method: 365.1

Preparation: 365.2/365.3/365

Lab Sample ID: MB 640-71078/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1124
Date Prepared: 07/20/2010 1656

Analysis Batch: 640-71097
Prep Batch: 640-71078
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP072110A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Result	Qual	MDL	PQL
Phosphorus	0.0044	U	0.0044	0.010

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 640-71078

Method: 365.1

Preparation: 365.2/365.3/365

LCS Lab Sample ID: LCS 640-71078/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1127
Date Prepared: 07/20/2010 1656

Analysis Batch: 640-71097
Prep Batch: 640-71078
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP072110A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-71078/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1128
Date Prepared: 07/20/2010 1656

Analysis Batch: 640-71097
Prep Batch: 640-71078
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP072110A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Phosphorus	108	107	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-71078

Method: 365.1

Preparation: 365.2/365.3/365

MS Lab Sample ID: 660-36195-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1204
Date Prepared: 07/20/2010 1656

Analysis Batch: 640-71097
Prep Batch: 640-71078

Instrument ID: ASTORIA2
Lab File ID: TP072110A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 660-36195-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1206
Date Prepared: 07/20/2010 1656

Analysis Batch: 640-71097
Prep Batch: 640-71078

Instrument ID: ASTORIA2
Lab File ID: TP072110A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phosphorus	33	35	90 - 110	3	30	J3	J3

Duplicate - Batch: 640-71078

Method: 365.1

Preparation: 365.2/365.3/365

Lab Sample ID: 640-28856-A-1-C DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1134
Date Prepared: 07/20/2010 1656

Analysis Batch: 640-71097
Prep Batch: 640-71078
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP072110A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Phosphorus	0.23	0.206	13	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 680-174394

Lab Sample ID: MB 680-174394/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1023
Date Prepared: N/A

Analysis Batch: 680-174394
Prep Batch: N/A
Units: mg/L

Method: 9060 Preparation: N/A

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

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 660-97310

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 660-97310/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1034
Date Prepared: N/A

Analysis Batch: 660-97310
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.16.10.txt
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	PQL	PQL
Alkalinity	1.0	U	1.0	1.0

Lab Control Sample - Batch: 660-97310

Method: SM 2320B

Preparation: N/A

Lab Sample ID: LCS 660-97310/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1041
Date Prepared: N/A

Analysis Batch: 660-97310
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.16.10.txt
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	118	118	100	80 - 120	

Duplicate - Batch: 660-97310

Method: SM 2320B

Preparation: N/A

Lab Sample ID: 660-36167-J-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1053
Date Prepared: N/A

Analysis Batch: 660-97310
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.16.10.txt
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	150	153	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: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 660-97176

Method: SM 2540C

Preparation: N/A

Lab Sample ID: MB 660-97176/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1229
Date Prepared: N/A

Analysis Batch: 660-97176
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: 660-97176

Method: SM 2540C

Preparation: N/A

Lab Sample ID: LCS 660-97176/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1232
Date Prepared: N/A

Analysis Batch: 660-97176
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	10000	100	80 - 120	

Duplicate - Batch: 660-97176

Method: SM 2540C

Preparation: N/A

Lab Sample ID: 660-36195-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 1234
Date Prepared: N/A

Analysis Batch: 660-97176
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	59000	58300	1	20	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 660-97217

Method: SM 3500 CR B

Preparation: N/A

Lab Sample ID: MB 660-97217/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1020
Date Prepared: N/A

Analysis Batch: 660-97217
Prep Batch: N/A
Units: ug/L

Instrument ID: HACH2500
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	PQL
Chromium (hexavalent)	2.0	U	2.0	10

Lab Control Sample - Batch: 660-97217

Method: SM 3500 CR B

Preparation: N/A

Lab Sample ID: LCS 660-97217/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1020
Date Prepared: N/A

Analysis Batch: 660-97217
Prep Batch: N/A
Units: ug/L

Instrument ID: HACH2500
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	20.0	19.0	95	85 - 115	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97217

Method: SM 3500 CR B

Preparation: N/A

MS Lab Sample ID: 660-36195-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1020
Date Prepared: N/A

Analysis Batch: 660-97217
Prep Batch: N/A

Instrument ID: HACH2500
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 660-36195-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1020
Date Prepared: N/A

Analysis Batch: 660-97217
Prep Batch: N/A

Instrument ID: HACH2500
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chromium (hexavalent)	33	30	85 - 115	4	20	J3	J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 680-174428

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

Lab Sample ID: MB 680-174428/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1629
Date Prepared: 07/16/2010 1230

Analysis Batch: 680-174492
Prep Batch: 680-174428
Units: mg/L

Instrument ID: KONELAB1
Lab File ID: KONE10716101NH3DISTB.xl
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	Result	Qual	MDL	PQL
Ammonia	0.026	U	0.026	0.050

Lab Control Sample - Batch: 680-174428

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

Lab Sample ID: LCS 680-174428/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1719
Date Prepared: 07/16/2010 1230

Analysis Batch: 680-174492
Prep Batch: 680-174428
Units: mg/L

Instrument ID: KONELAB1
Lab File ID: KONE10716101NH3DISTB.xl
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	1.00	0.940	94	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-174428

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

MS Lab Sample ID: 680-59140-C-1-B MS
Client Matrix: Water
Dilution: 50
Date Analyzed: 07/16/2010 1748
Date Prepared: 07/16/2010 1230

Analysis Batch: 680-174492
Prep Batch: 680-174428

Instrument ID: KONELAB1
Lab File ID: KONE10716101NH3DISTB.xl
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

MSD Lab Sample ID: 680-59140-C-1-C MSD
Client Matrix: Water
Dilution: 20
Date Analyzed: 07/16/2010 1649
Date Prepared: 07/16/2010 1230

Analysis Batch: 680-174492
Prep Batch: 680-174428

Instrument ID: KONELAB1
Lab File ID: KONE10716101NH3DISTB.xl
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ammonia	3120	-371	90 - 110	80	30	J3	J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 640-70915

Method: SM 4500 P E

Preparation: N/A

Lab Sample ID: MB 640-70915/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1410
Date Prepared: N/A

Analysis Batch: 640-70915
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Result	Qual	MDL	PQL
ortho-Phosphate-Dissolved	0.0014	U	0.0014	0.050

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 640-70915

Method: SM 4500 P E

Preparation: N/A

LCS Lab Sample ID: LCS 640-70915/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1413
Date Prepared: N/A

Analysis Batch: 640-70915
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70915/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1415
Date Prepared: N/A

Analysis Batch: 640-70915
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
ortho-Phosphate-Dissolved	108	110	90 - 110	2	30	I	I

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70915

Method: SM 4500 P E

Preparation: N/A

MS Lab Sample ID: 660-36195-1
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/13/2010 1424
 Date Prepared: N/A

Analysis Batch: 640-70915
 Prep Batch: N/A

Instrument ID: No Equipment Assigned
 Lab File ID: N/A
 Initial Weight/Volume: 25.0 mL
 Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 660-36195-1
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/13/2010 1427
 Date Prepared: N/A

Analysis Batch: 640-70915
 Prep Batch: N/A

Instrument ID: No Equipment Assigned
 Lab File ID: N/A
 Initial Weight/Volume: 25.0 mL
 Final Weight/Volume: 25.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
ortho-Phosphate-Dissolved	74	77	90 - 110	1	30	J3	J3

Duplicate - Batch: 640-70915

Method: SM 4500 P E

Preparation: N/A

Lab Sample ID: 660-36195-1
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/13/2010 1437
 Date Prepared: N/A

Analysis Batch: 640-70915
 Prep Batch: N/A
 Units: mg/L

Instrument ID: No Equipment Assigned
 Lab File ID: N/A
 Initial Weight/Volume: 25.0 mL
 Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
ortho-Phosphate-Dissolved	0.061	0.0600	2	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36195-1

Sdg Number: 36195

Method Blank - Batch: 660-97326

Method: SM 4500 S2 F

Preparation: N/A

Lab Sample ID: MB 660-97326/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1830
Date Prepared: N/A

Analysis Batch: 660-97326
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: 660-97326

Method: SM 4500 S2 F

Preparation: N/A

LCS Lab Sample ID: LCS 660-97326/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1830
Date Prepared: N/A

Analysis Batch: 660-97326
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 660-97326/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 1830
Date Prepared: N/A

Analysis Batch: 660-97326
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	94	93	75 - 125	2	25		

Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

THE MENTINING YOUTH

Page 48 of 56

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

... ..

3.3°C 6407

36195

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: 071210-TPG2-1D		SITE LOCATION:	
WELL NO:	SAMPLE ID:	DATE: 07/12/10	

PURGING DATA											
WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:							
2"	3/16"	83.5 feet to 87.5 feet	4.7	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): 87		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 87		PURGING INITIATED AT: 1013		PURGING ENDED AT: 1037		TOTAL VOLUME PURGED (gallons): 2.13			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1020	.95	.95	.14	4.5	6.99	26.43	59.66	4.8 (1.32)	1.63	clear	none
1024	.55	1.5	.09	4.5	7.00	26.49	59.79	4.0 (1.25)	2.01	"	"
1032	.50	2.0	.08	4.5	7.00	26.49	59.87	3.7 (1.24)	1.06	"	"
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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

ORP
33.2
14.9
3.0

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED AT: 1039		SAMPLING ENDED AT: 1050	
J. Decons / S. Hodges				[Signature]							
PUMP OR TUBING DEPTH IN WELL (feet): 87				TUBING MATERIAL CODE: T				FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: 45 μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" 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 ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	1	PE	500 mL	NH ₄ OH	500	11	Sulfide		APP	.08	
	2	PE	250 mL	NH ₄ OH	250	2.12	Trace metal/metric		APP	.08	
	1	PE	250 mL	Nitric	250	2	Strontium		APP	.08	
	1	AG	125 mL	HCl	125	2	DOC		APP	.08	
	1	PE	500 mL	Sulfide	500	2	NH ₃		APP	.08	
	2	PE	250 mL	Sulfide	250	2	TPH _{OX} /TKN		APP	.08	
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 = 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
GROUNDWATER SAMPLING LOG

SITE NAME: 071210-TPGW-1m		SITE LOCATION:	
WELL NO:	SAMPLE ID:	DATE: 07/12/10	

PURGING DATA											
WELL DIAMETER (Inches): 2"	TUBING DIAMETER (Inches): 3/4"	WELL SCREEN INTERVAL DEPTH: 50 feet to 52 feet	STATIC DEPTH TO WATER (feet): 4.45	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): 51		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 51		PURGING INITIATED AT: 11:11		PURGING ENDED AT: 11:35		TOTAL VOLUME PURGED (gallons): 2.12			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:19	1.0	1.0	.13	4.45	7.08	26.76	61.29	20.5 (1.3)	5.71	clear	none
11:27	.75	1.75	.09	4.45	7.05	26.75	61.28	14.2 (.89)	4.94	"	"
11:32	.37	2.12	.07	4.45	7.04	26.59	61.22	11.0 (.69)	4.65	"	"
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" = 0.006; 1/2" = 0.010; 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLED BY (PRINT) / AFFILIATION: J. Jacobs / S. Hedges				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: 11:35		SAMPLING ENDED AT: 11:58	
PUMP OR TUBING DEPTH IN WELL (feet): 51				TUBING MATERIAL CODE: T		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: 45 μ m			
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> TUBING <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> (Replaced)				DUPLICATE: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/>							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	1	PE	250mL	NaOH/BP	600	10	Sulfate		APP	.07	
	1	PE	250mL	NaOH	250	2	Strontium		APP	.07	
	1	AG	125mL	HCl	125	1	DOC		APP	.07	
	2	PE	250mL	Sulfate	250	1/1	TEMP/TCR		APP	.07	
	1	PE	500mL	Sulfate	500	1	NH3		APP	.07	
	2	PE	250mL	NaOH	250	2/2	Trace metal		APP	.07	
REMARKS: un 07/19/10											
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
GROUNDWATER SAMPLING LOG

SITE NAME: 07/210-TPCW-15		SITE LOCATION:	
WELL NO:		SAMPLE ID:	
		DATE: 07/12/10	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Jacobs / S. Hedges				SAMPLER(S) SIGNATURE(S): [Signature]			SPRINKLING INITIATED AT: 1230		SPRINKLING ENDED AT: 1249	
PUMP OR TUBING DEPTH IN WELL (feet): 32.7				TUBING MATERIAL CODE: T			FIELD-FILTERED: 0 N		FILTER SIZE: 45 µm	
FIELD DECONTAMINATION: PUMP Y 0				TUBING Y 0 (Replaced)			DUPLICATE: Y 0			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	PE	500	NaOH/BaCl ₂	500	10	Sulfide		APP	.14
	2	PE	250	NH ₄ Cl	250	1/1	Trace metal/mercuric		APP	.14
	1	PE	250	NH ₄ Cl	250	1	Strontium		APP	.14
	1	AG	125	HCL	125	2	DOC		-APP	.14
	1	PE	500	Sulfuric	500	1	NH ₃		APP	.14
	2	PE	250	Sulfuric	250	1/1	TPNO ₃ /TKN		APP	.14
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 = Balier; 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

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-36195-1

SDG Number: 36195

Login Number: 36195

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	3.3 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	
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: 660-36195-1

SDG Number: 36195

Login Number: 36195

List Source: TestAmerica Savannah

Creator: Daughtry, Beth

List Creation: 07/14/10 03:06 PM

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	
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: 660-36195-1

SDG Number: 36195

Login Number: 36195

List Source: TestAmerica Tallahassee

Creator: Snead, Joshua

List Creation: 07/13/10 10:44 AM

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	
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	

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-36195-1

SDG Number: 36195

Login Number: 36195

List Source: TestAmerica Tallahassee

Creator: Snead, Joshua

List Creation: 07/14/10 08:01 AM

List Number: 2

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	