

ANALYTICAL REPORT

Job Number: 660-35848-1

SDG Number: 35848

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 8:40 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

Comments

Report revised to show lower limits for 200.7.

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: 061810-TPGW-12D (660-35848-1), 061810-TPGW-2M (660-35848-3), 061810-TPGW-2S (660-35848-2), 061810-TPGW-DUP 1 (660-35848-5). Elevated reporting limits (RLs) are provided.

Method 200.7 Rev 4.4: The matrix duplicate % RPD is outside control limits for Barium.

Method 245.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 96322 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with J3.

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

General Chemistry

DOC samples were received with insufficient preservative and were properly preserved in the lab.

Method 300.0: The equipment blank associated with these samples contained a detection above the method detection limit (MDL) for the following analyte: Chloride.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 96469 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 351.2: The matrix spike (MS) recovery for batch 96389 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 353.2: The matrix spike / matrix spike duplicate recoveries for batch 70268 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 365.1: The matrix spike (MS) recovery for batch 70167 was 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 70184 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

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

Method SM 4500 P E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 70218 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with J3.

Method SM 4500 S2 F: Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for batch 96344.

Method SM 4500 NH3 G: The matrix spike duplicate (MSD) recovery for batch 172931 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with J3.

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35848-1	061810-TPGW-12D				
Field pH		7.29		SU	Field Sampling
Field Temperature		27.04		Degrees C	Field Sampling
Oxygen, Dissolved		3.1		mg/L	Field Sampling
Specific Conductance		57910		umhos/cm	Field Sampling
Turbidity		3.02		NTU	Field Sampling
Bromide		87	5.0	mg/L	300.0
Chloride		24000	500	mg/L	300.0
Sulfate		3400	50	mg/L	300.0
Nitrogen, Kjeldahl		1.7	0.20	mg/L	351.2
Nitrate Nitrite as N		0.046	0.010	mg/L	353.2
Phosphorus		0.034	0.010	mg/L	365.1
Alkalinity		180	1.0	mg/L	SM 2320B
Total Dissolved Solids		53000	250	mg/L	SM 2540C
Ammonia		1.2	0.10	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.7	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.018	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		4600	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		46	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.11	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		100	100	ug/L	200.7 Rev 4.4
Iron		500	500	ug/L	200.7 Rev 4.4
Manganese		39	100	ug/L	200.7 Rev 4.4
Vanadium		11	100	ug/L	200.7 Rev 4.4
Boron		5600	200	ug/L	6010B
Calcium		610	2.0	mg/L	6010B
Potassium		640	50	mg/L	6010B
Strontium		11000	20	ug/L	6010B
Magnesium		1700	0.32	mg/L	6010B
Sodium		15000	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35848-2	061810-TPGW-2S				
Field pH		7.29		SU	Field Sampling
Field Temperature		26.31		Degrees C	Field Sampling
Oxygen, Dissolved		3.7		mg/L	Field Sampling
Specific Conductance		65980		umhos/cm	Field Sampling
Turbidity		0.38		NTU	Field Sampling
Bromide		98	5.0	mg/L	300.0
Chloride		29000	500	mg/L	300.0
Sulfate		3700	50	mg/L	300.0
Nitrogen, Kjeldahl		1.9	0.20	mg/L	351.2
Phosphorus		0.036	0.010	mg/L	365.1
Alkalinity		120	1.0	mg/L	SM 2320B
Total Dissolved Solids		62000	250	mg/L	SM 2540C
Ammonia		1.7	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.9	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.025	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		3900	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		32	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.12	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		160	100	ug/L	200.7 Rev 4.4
Iron		3100	500	ug/L	200.7 Rev 4.4
Manganese		52	100	ug/L	200.7 Rev 4.4
Molybdenum		30	100	ug/L	200.7 Rev 4.4
Vanadium		21	100	ug/L	200.7 Rev 4.4
Boron		5800	200	ug/L	6010B
Calcium		870	2.0	mg/L	6010B
Potassium		730	50	mg/L	6010B
Strontium		15000	20	ug/L	6010B
Magnesium		1800	0.32	mg/L	6010B
Sodium		17000	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35848-3	061810-TPGW-2M				
Field pH		6.94		SU	Field Sampling
Field Temperature		27.33		Degrees C	Field Sampling
Oxygen, Dissolved		2.7		mg/L	Field Sampling
Specific Conductance		61080		umhos/cm	Field Sampling
Turbidity		0.13		NTU	Field Sampling
Bromide		100	5.0	mg/L	300.0
Chloride		30000	500	mg/L	300.0
Sulfate		4000	50	mg/L	300.0
Nitrogen, Kjeldahl		1.9	0.20	mg/L	351.2
Phosphorus		0.082	0.10	mg/L	365.1
Alkalinity		190	1.0	mg/L	SM 2320B
Total Dissolved Solids		64000	250	mg/L	SM 2540C
Ammonia		1.8	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.9	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.013	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		4200	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		49	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.11	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		130	100	ug/L	200.7 Rev 4.4
Iron		320	500	ug/L	200.7 Rev 4.4
Manganese		46	100	ug/L	200.7 Rev 4.4
Vanadium		16	100	ug/L	200.7 Rev 4.4
Boron		7100	200	ug/L	6010B
Calcium		660	2.0	mg/L	6010B
Potassium		780	50	mg/L	6010B
Strontium		14000	20	ug/L	6010B
Magnesium		2100	4.0	mg/L	6010B
Sodium		18000	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35848-4	061810-TPGW-EBI				
Chloride		0.22	0.50	mg/L	300.0
Nitrate Nitrite as N		0.023	0.010	mg/L	353.2
Alkalinity		2.3	1.0	mg/L	SM 2320B
Ammonia		0.11	0.050	mg/L	SM 4500 NH3 G
<i>Dissolved</i>					
Dissolved Inorganic Carbon-Dissolved		1.5	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.0050	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Iron		4.7	50	ug/L	200.7 Rev 4.4
Zinc		6.8	20	ug/L	200.7 Rev 4.4
Calcium		0.33	0.50	mg/L	6010B
Strontium		1.5	5.0	ug/L	6010B
Magnesium		0.15	0.080	mg/L	6010B
Sodium		1.5	0.50	mg/L	6010B
660-35848-5	061810-TPGW-DUP 1				
Bromide		89	5.0	mg/L	300.0
Chloride		25000	500	mg/L	300.0
Sulfate		3500	50	mg/L	300.0
Nitrogen, Kjeldahl		1.4	0.20	mg/L	351.2
Nitrate Nitrite as N		0.022	0.010	mg/L	353.2
Phosphorus		0.042	0.010	mg/L	365.1
Alkalinity		180	1.0	mg/L	SM 2320B
Total Dissolved Solids		53000	250	mg/L	SM 2540C
Ammonia		1.2	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.4	0.21	mg/L	Total Nitrogen
<i>Dissolved</i>					
SiO2, Silica		5500	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		46	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.11	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		120	100	ug/L	200.7 Rev 4.4
Iron		520	500	ug/L	200.7 Rev 4.4
Manganese		36	100	ug/L	200.7 Rev 4.4
Vanadium		11	100	ug/L	200.7 Rev 4.4
Zinc		94	200	ug/L	200.7 Rev 4.4
Boron		5400	200	ug/L	6010B
Calcium		580	2.0	mg/L	6010B
Potassium		600	50	mg/L	6010B
Strontium		11000	20	ug/L	6010B
Magnesium		1700	0.32	mg/L	6010B
Sodium		14000	100	mg/L	6010B

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

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: 660-35848-1

Sdg Number: 35848

Description	Lab Location	Method	Preparation Method
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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: 660-35848-1

Sdg Number: 35848

Method	Analyst	Analyst ID
40CFR136A 200.7 Rev 4.4	Bland, Brian	BCB
EPA 200.7 Rev 4.4	Neal, Amanda J	AJN
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	Sengsouvanha, 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	Oonnoonny, Thomas	TO
SM SM 3500 CR B	Mostafavifar, Efe	EM
SM SM 4500 NH3 G	Ross, Jon	JR
SM SM 4500 P E	Carlisle, Felicia F	FFC
SM SM 4500 S2 F	Mostafavifar, Efe	EM
EPA Total Nitrogen	Neal, Amanda J	AJN
FL-DEP UnionizedNH3	Ross, Jon	JR

SAMPLE SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-35848-1	061810-TPGW-12D	Water	06/18/2010 1030	06/19/2010 0800
660-35848-2	061810-TPGW-2S	Water	06/18/2010 1300	06/19/2010 0800
660-35848-3	061810-TPGW-2M	Water	06/18/2010 1335	06/19/2010 0800
660-35848-4	061810-TPGW-EBI	Water	06/18/2010 1000	06/19/2010 0800
660-35848-5	061810-TPGW-DUP 1	Water	06/18/2010 0000	06/19/2010 0800

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Client Sample ID: 061810-TPGW-12D

Lab Sample ID: 660-35848-1

Client Matrix: Water

Date Sampled: 06/18/2010 1030

Date Received: 06/19/2010 0800

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70408	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70149	Lab File ID:	062910.csv
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 0901		Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	100		8.1	100
Beryllium	1.8	U	1.8	40
Cadmium	3.8	U	3.8	50
Copper	3.3	U	3.3	100
Iron	500		27	500
Lead	24	U	24	50
Manganese	39	I	4.6	100
Molybdenum	4.7	U	4.7	100
Nickel	14	U	14	200
Selenium	34	U	34	100
Thallium	16	U	16	100
Vanadium	11	I	5.2	100
Zinc	18	U	18	200

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-172919	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E06292010_SI.csv
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	06/29/2010 1328		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO ₂ , Silica	4600		50	500

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 660-96322	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-96286	Lab File ID:	10F23PS.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	06/23/2010 1331		Final Weight/Volume:	25 mL
Date Prepared:	06/23/2010 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: 660-35848-1

Sdg Number: 35848

Client Sample ID: 061810-TPGW-12D

Lab Sample ID: 660-35848-1

Client Matrix: Water

Date Sampled: 06/18/2010 1030

Date Received: 06/19/2010 0800

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96375	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F24A
Dilution:	4.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/24/2010 1724		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	610		0.40	2.0
Magnesium	1700		0.080	0.32

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5600		40	200
Strontium	11000		4.0	20

Method:	6010B	Analysis Batch: 660-96428	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F25A
Dilution:	50		Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 0921	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	640		9.5	50

Method:	6010B	Analysis Batch: 660-96428	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F25A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 0928	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	15000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Client Sample ID: 061810-TPGW-2S

Lab Sample ID: 660-35848-2

Client Matrix: Water

Date Sampled: 06/18/2010 1300

Date Received: 06/19/2010 0800

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70408	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70149	Lab File ID:	062910.csv
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 0905		Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
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	100
Iron	3100		27	500
Lead	24	U	24	50
Manganese	52	I	4.6	100
Molybdenum	30	I	4.7	100
Nickel	14	U	14	200
Selenium	34	U	34	100
Thallium	16	U	16	100
Vanadium	21	I	5.2	100
Zinc	18	U	18	200

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-172919	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E06292010_SI.csv
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	06/29/2010 1342		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	3900		50	500

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 660-96322	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-96286	Lab File ID:	10F23PS.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	06/23/2010 1319		Final Weight/Volume:	25 mL
Date Prepared:	06/23/2010 0900			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.072	U J3	0.072	0.20

6010B Metals (ICP)-Total Recoverable

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Client Sample ID: 061810-TPGW-2S

Lab Sample ID: 660-35848-2

Date Sampled: 06/18/2010 1300

Client Matrix: Water

Date Received: 06/19/2010 0800

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96375	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F24A
Dilution:	4.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/24/2010 1730		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	870		0.40	2.0
Magnesium	1800		0.080	0.32

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5800		40	200
Strontium	15000		4.0	20

Method:	6010B	Analysis Batch: 660-96428	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F25A
Dilution:	50		Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 0934	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	730		9.5	50

Method:	6010B	Analysis Batch: 660-96428	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F25A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 0940	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	17000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Client Sample ID: 061810-TPGW-2M

Lab Sample ID: 660-35848-3

Date Sampled: 06/18/2010 1335

Client Matrix: Water

Date Received: 06/19/2010 0800

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch:	640-70408	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch:	640-70149	Lab File ID:	062910.csv
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 0910			Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	130		8.1	100
Beryllium	1.8	U	1.8	40
Cadmium	3.8	U	3.8	50
Copper	3.3	U	3.3	100
Iron	320	I	27	500
Lead	24	U	24	50
Manganese	46	I	4.6	100
Molybdenum	4.7	U	4.7	100
Nickel	14	U	14	200
Selenium	34	U	34	100
Thallium	16	U	16	100
Vanadium	16	I	5.2	100
Zinc	18	U	18	200

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch:	680-172919	Instrument ID:	Varian ICP
Preparation:	N/A			Lab File ID:	E06292010_SI.csv
Dilution:	1.0			Initial Weight/Volume:	
Date Analyzed:	06/29/2010 1345			Final Weight/Volume:	1.0 mL
Date Prepared:					

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO ₂ , Silica	4200		50	500

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch:	660-96322	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch:	660-96286	Lab File ID:	10F23PS.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/23/2010 1333			Final Weight/Volume:	25 mL
Date Prepared:	06/23/2010 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: 660-35848-1

Sdg Number: 35848

Client Sample ID: 061810-TPGW-2M

Lab Sample ID: 660-35848-3

Date Sampled: 06/18/2010 1335

Client Matrix: Water

Date Received: 06/19/2010 0800

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96375	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F24A
Dilution:	4.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/24/2010 1736		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	660		0.40	2.0

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	7100		40	200
Strontium	14000		4.0	20

Method:	6010B	Analysis Batch: 660-96428	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F25A
Dilution:	50		Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 0946	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	780		9.5	50
Magnesium	2100		1.0	4.0

Method:	6010B	Analysis Batch: 660-96428	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F25A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 0952	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	18000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Client Sample ID: 061810-TPGW-EBI

Lab Sample ID: 660-35848-4

Date Sampled: 06/18/2010 1000

Client Matrix: Water

Date Received: 06/19/2010 0800

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch:	640-70371	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch:	640-70149	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1353			Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	1.2	U	1.2	8.0
Barium	0.81	U	0.81	10
Beryllium	0.18	U	0.18	4.0
Cadmium	0.38	U	0.38	5.0
Copper	0.33	U	0.33	10
Iron	4.7	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	20
Selenium	3.4	U	3.4	10
Thallium	1.6	U	1.6	10
Vanadium	0.52	U	0.52	10
Zinc	6.8	I	1.8	20

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch:	680-172919	Instrument ID:	Varian ICP
Preparation:	N/A			Lab File ID:	E06292010_SI.csv
Dilution:	1.0			Initial Weight/Volume:	
Date Analyzed:	06/29/2010 1347			Final Weight/Volume:	1.0 mL
Date Prepared:					

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO ₂ , Silica	50	U	50	500

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch:	660-96322	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch:	660-96286	Lab File ID:	10F23PS.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/23/2010 1335			Final Weight/Volume:	25 mL
Date Prepared:	06/23/2010 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: 660-35848-1

Sdg Number: 35848

Client Sample ID: 061810-TPGW-EBI

Lab Sample ID: 660-35848-4

Date Sampled: 06/18/2010 1000

Client Matrix: Water

Date Received: 06/19/2010 0800

6010B Metals (ICP)-Total Recoverable

Method: 6010B
Preparation: 3005A
Dilution: 1.0
Date Analyzed: 06/24/2010 1704
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355

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

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	0.33	I	0.10	0.50
Potassium	0.19	U	0.19	1.0
Magnesium	0.15		0.020	0.080
Sodium	1.5		0.31	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	10	U	10	50
Strontium	1.5	I	1.0	5.0

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Client Sample ID: 061810-TPGW-DUP 1

Lab Sample ID: 660-35848-5

Client Matrix: Water

Date Sampled: 06/18/2010 0000

Date Received: 06/19/2010 0800

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch:	640-70408	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch:	640-70149	Lab File ID:	062910.csv
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 0914			Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	120		8.1	100
Beryllium	1.8	U	1.8	40
Cadmium	3.8	U	3.8	50
Copper	3.3	U	3.3	100
Iron	520		27	500
Lead	24	U	24	50
Manganese	36	I	4.6	100
Molybdenum	4.7	U	4.7	100
Nickel	14	U	14	200
Selenium	34	U	34	100
Thallium	16	U	16	100
Vanadium	11	I	5.2	100
Zinc	94	I	18	200

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch:	680-172919	Instrument ID:	Varian ICP
Preparation:	N/A			Lab File ID:	E06292010_SI.csv
Dilution:	1.0			Initial Weight/Volume:	
Date Analyzed:	06/29/2010 1356			Final Weight/Volume:	1.0 mL
Date Prepared:					

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	5500		50	500

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch:	660-96322	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch:	660-96286	Lab File ID:	10F23PS.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/23/2010 1338			Final Weight/Volume:	25 mL
Date Prepared:	06/23/2010 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: 660-35848-1

Sdg Number: 35848

Client Sample ID: 061810-TPGW-DUP 1

Lab Sample ID: 660-35848-5

Client Matrix: Water

Date Sampled: 06/18/2010 0000

Date Received: 06/19/2010 0800

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96375	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F24A
Dilution:	4.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/24/2010 1743		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	580		0.40	2.0
Magnesium	1700		0.080	0.32

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5400		40	200
Strontium	11000		4.0	20

Method:	6010B	Analysis Batch: 660-96428	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F25A
Dilution:	50		Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 0959	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	600		9.5	50

Method:	6010B	Analysis Batch: 660-96428	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F25A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 1005	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	14000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

General Chemistry

Client Sample ID: 061810-TPGW-12D

Lab Sample ID: 660-35848-1

Client Matrix: Water

Date Sampled: 06/18/2010 1030

Date Received: 06/19/2010 0800

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	87		mg/L	2.7	5.0	100	300.0
	Analysis Batch: 660-96448	Date Analyzed: 06/25/2010 0458					
Chloride	24000		mg/L	200	500	1000	300.0
	Analysis Batch: 660-96469	Date Analyzed: 06/25/2010 2309					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96469	Date Analyzed: 06/25/2010 1754					
Sulfate	3400		mg/L	20	50	100	300.0
	Analysis Batch: 660-96448	Date Analyzed: 06/25/2010 0458					
Nitrogen, Kjeldahl	1.7		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96389	Date Analyzed: 06/24/2010 1402					
	Prep Batch: 660-96337	Date Prepared: 06/23/2010 1600					
Nitrate Nitrite as N	0.046		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70268	Date Analyzed: 06/24/2010 1117					
Phosphorus	0.034		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70261	Date Analyzed: 06/23/2010 1511					
	Prep Batch: 640-70167	Date Prepared: 06/22/2010 1354					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96184	Date Analyzed: 06/19/2010 0920					
Ammonia	1.2		mg/L	0.052	0.10	2.0	SM 4500 NH3
	Analysis Batch: 680-172931	Date Analyzed: 06/29/2010 1717					
	Prep Batch: 680-172902	Date Prepared: 06/29/2010 1511					
ortho-Phosphate-Dissolved	0.11	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70218	Date Analyzed: 06/19/2010 2207					

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	46		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172471	Date Analyzed: 06/23/2010 1218					
Alkalinity	180		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96458	Date Analyzed: 06/25/2010 1250					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96458	Date Analyzed: 06/25/2010 1250					
Total Dissolved Solids	53000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96316	Date Analyzed: 06/23/2010 1419					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96344	Date Analyzed: 06/23/2010 1700					
Nitrogen, Total	1.7		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70159	Date Analyzed: 06/28/2010 0800					
Unionized Ammonia	0.018		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-172947	Date Analyzed: 06/30/2010 0801					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

General Chemistry

Client Sample ID: 061810-TPGW-2S

Lab Sample ID: 660-35848-2

Client Matrix: Water

Date Sampled: 06/18/2010 1300

Date Received: 06/19/2010 0800

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	98		mg/L	2.7	5.0	100	300.0
	Analysis Batch: 660-96448	Date Analyzed: 06/25/2010 0415					
Chloride	29000		mg/L	200	500	1000	300.0
	Analysis Batch: 660-96469	Date Analyzed: 06/25/2010 2327					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96469	Date Analyzed: 06/25/2010 1811					
Sulfate	3700		mg/L	20	50	100	300.0
	Analysis Batch: 660-96448	Date Analyzed: 06/25/2010 0415					
Nitrogen, Kjeldahl	1.9		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96389	Date Analyzed: 06/24/2010 1402					
	Prep Batch: 660-96337	Date Prepared: 06/23/2010 1600					
Nitrate Nitrite as N	0.0047	U	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70268	Date Analyzed: 06/24/2010 1126					
Phosphorus	0.036		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70309	Date Analyzed: 06/25/2010 1248					
	Prep Batch: 640-70184	Date Prepared: 06/22/2010 1618					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96184	Date Analyzed: 06/19/2010 0920					
Ammonia	1.7		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-172931	Date Analyzed: 06/29/2010 1650					
	Prep Batch: 680-172902	Date Prepared: 06/29/2010 1511					
ortho-Phosphate-Dissolved	0.12	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70218	Date Analyzed: 06/19/2010 2215					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	32		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172471	Date Analyzed: 06/23/2010 1218					
Alkalinity	120		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96458	Date Analyzed: 06/25/2010 1302					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96458	Date Analyzed: 06/25/2010 1302					
Total Dissolved Solids	62000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96316	Date Analyzed: 06/23/2010 1420					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96344	Date Analyzed: 06/23/2010 1700					
Nitrogen, Total	1.9		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70159	Date Analyzed: 06/28/2010 0800					
Unionized Ammonia	0.025		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-172947	Date Analyzed: 06/30/2010 0801					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

General Chemistry

Client Sample ID: 061810-TPGW-2M

Lab Sample ID: 660-35848-3

Client Matrix: Water

Date Sampled: 06/18/2010 1335

Date Received: 06/19/2010 0800

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	100		mg/L	2.7	5.0	100	300.0
	Analysis Batch: 660-96448	Date Analyzed: 06/25/2010 0437					
Chloride	30000		mg/L	200	500	1000	300.0
	Analysis Batch: 660-96469	Date Analyzed: 06/25/2010 2344					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96469	Date Analyzed: 06/25/2010 1829					
Sulfate	4000		mg/L	20	50	100	300.0
	Analysis Batch: 660-96448	Date Analyzed: 06/25/2010 0437					
Nitrogen, Kjeldahl	1.9		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96389	Date Analyzed: 06/24/2010 1402					
	Prep Batch: 660-96337	Date Prepared: 06/23/2010 1600					
Nitrate Nitrite as N	0.0047	U	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70268	Date Analyzed: 06/24/2010 1134					
Phosphorus	0.082	I	mg/L	0.044	0.10	10	365.1
	Analysis Batch: 640-70261	Date Analyzed: 06/23/2010 1715					
	Prep Batch: 640-70184	Date Prepared: 06/22/2010 1618					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96184	Date Analyzed: 06/19/2010 0920					
Ammonia	1.8		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-172931	Date Analyzed: 06/29/2010 1650					
	Prep Batch: 680-172902	Date Prepared: 06/29/2010 1511					
ortho-Phosphate-Dissolved	0.11	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70218	Date Analyzed: 06/19/2010 2216					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	49		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172471	Date Analyzed: 06/23/2010 1218					
Alkalinity	190		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96458	Date Analyzed: 06/25/2010 1308					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96458	Date Analyzed: 06/25/2010 1308					
Total Dissolved Solids	64000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96316	Date Analyzed: 06/23/2010 1420					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96344	Date Analyzed: 06/23/2010 1700					
Nitrogen, Total	1.9		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70159	Date Analyzed: 06/28/2010 0800					
Unionized Ammonia	0.013		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-172947	Date Analyzed: 06/30/2010 0801					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

General Chemistry

Client Sample ID: 061810-TPGW-EBI

Lab Sample ID: 660-35848-4

Client Matrix: Water

Date Sampled: 06/18/2010 1000

Date Received: 06/19/2010 0800

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	0.027	U	mg/L	0.027	0.050	1.0	300.0
	Analysis Batch: 660-96469	Date Analyzed: 06/25/2010 1736					
Chloride	0.22	I	mg/L	0.20	0.50	1.0	300.0
	Analysis Batch: 660-96495	Date Analyzed: 06/26/2010 1349					
Fluoride	0.020	U	mg/L	0.020	0.050	1.0	300.0
	Analysis Batch: 660-96469	Date Analyzed: 06/25/2010 1736					
Sulfate	0.20	U	mg/L	0.20	0.50	1.0	300.0
	Analysis Batch: 660-96495	Date Analyzed: 06/26/2010 1349					
Nitrogen, Kjeldahl	0.050	U	mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96389	Date Analyzed: 06/24/2010 1402					
	Prep Batch: 660-96337	Date Prepared: 06/23/2010 1600					
Nitrate Nitrite as N	0.023		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70268	Date Analyzed: 06/24/2010 1136					
Phosphorus	0.0044	U	mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70309	Date Analyzed: 06/25/2010 1257					
	Prep Batch: 640-70184	Date Prepared: 06/22/2010 1618					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96184	Date Analyzed: 06/19/2010 0920					
Ammonia	0.11		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-172931	Date Analyzed: 06/29/2010 1650					
	Prep Batch: 680-172902	Date Prepared: 06/29/2010 1511					
ortho-Phosphate-Dissolved	0.0050	I	mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-70218	Date Analyzed: 06/19/2010 2217					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	1.5		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172471	Date Analyzed: 06/23/2010 1218					
Alkalinity	2.3		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96458	Date Analyzed: 06/25/2010 1313					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96458	Date Analyzed: 06/25/2010 1313					
Total Dissolved Solids	5.0	U	mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 660-96316	Date Analyzed: 06/23/2010 1421					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96344	Date Analyzed: 06/23/2010 1700					
Nitrogen, Total	0.21	U	mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70159	Date Analyzed: 06/28/2010 0800					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

General Chemistry

Client Sample ID: 061810-TPGW-DUP 1

Lab Sample ID: 660-35848-5

Client Matrix: Water

Date Sampled: 06/18/2010 0000

Date Received: 06/19/2010 0800

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	89		mg/L	2.7	5.0	100	300.0
	Analysis Batch: 660-96448	Date Analyzed: 06/25/2010 0520					
Chloride	25000		mg/L	200	500	1000	300.0
	Analysis Batch: 660-96469	Date Analyzed: 06/26/2010 0002					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96469	Date Analyzed: 06/25/2010 1846					
Sulfate	3500		mg/L	20	50	100	300.0
	Analysis Batch: 660-96448	Date Analyzed: 06/25/2010 0520					
Nitrogen, Kjeldahl	1.4		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96389	Date Analyzed: 06/24/2010 1402					
	Prep Batch: 660-96337	Date Prepared: 06/23/2010 1600					
Nitrate Nitrite as N	0.022		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70268	Date Analyzed: 06/24/2010 1137					
Phosphorus	0.042		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70309	Date Analyzed: 06/25/2010 1258					
	Prep Batch: 640-70184	Date Prepared: 06/22/2010 1618					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96184	Date Analyzed: 06/19/2010 0920					
Ammonia	1.2		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-172931	Date Analyzed: 06/29/2010 1651					
	Prep Batch: 680-172902	Date Prepared: 06/29/2010 1511					
ortho-Phosphate-Dissolved	0.11	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70218	Date Analyzed: 06/19/2010 2225					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic	46		mg/L	1.0	1.0	1.0	9060
Carbon-Dissolved	Analysis Batch: 680-172471	Date Analyzed: 06/23/2010 1218					
Alkalinity	180		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96458	Date Analyzed: 06/25/2010 1319					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96458	Date Analyzed: 06/25/2010 1319					
Total Dissolved Solids	53000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96316	Date Analyzed: 06/23/2010 1421					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96344	Date Analyzed: 06/23/2010 1700					
Nitrogen, Total	1.4		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70159	Date Analyzed: 06/28/2010 0800					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Field Service / Mobile Lab**Client Sample ID:** 061810-TPGW-12D**Lab Sample ID:** 660-35848-1**Client Matrix:** Water**Date Sampled:** 06/18/2010 1030**Date Received:** 06/19/2010 0800

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.29		SU	1.0	Field Sampling	660-97058	06/18/2010 1030
Field Temperature	27.04		Degrees C	1.0	Field Sampling	660-97058	06/18/2010 1030
Oxygen, Dissolved	3.1		mg/L	1.0	Field Sampling	660-97058	06/18/2010 1030
Specific Conductance	57910		umhos/cm	1.0	Field Sampling	660-97058	06/18/2010 1030
Turbidity	3.02		NTU	1.0	Field Sampling	660-97058	06/18/2010 1030

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Field Service / Mobile Lab

Client Sample ID: 061810-TPGW-2S

Lab Sample ID: 660-35848-2

Client Matrix: Water

Date Sampled: 06/18/2010 1300

Date Received: 06/19/2010 0800

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.29		SU	1.0	Field Sampling	660-97058	06/18/2010 1300
Field Temperature	26.31		Degrees C	1.0	Field Sampling	660-97058	06/18/2010 1300
Oxygen, Dissolved	3.7		mg/L	1.0	Field Sampling	660-97058	06/18/2010 1300
Specific Conductance	65980		umhos/cm	1.0	Field Sampling	660-97058	06/18/2010 1300
Turbidity	0.38		NTU	1.0	Field Sampling	660-97058	06/18/2010 1300

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Field Service / Mobile Lab**Client Sample ID:** 061810-TPGW-2M**Lab Sample ID:** 660-35848-3**Client Matrix:** Water**Date Sampled:** 06/18/2010 1335**Date Received:** 06/19/2010 0800

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.94		SU	1.0	Field Sampling	660-97058	06/18/2010 1335
Field Temperature	27.33		Degrees C	1.0	Field Sampling	660-97058	06/18/2010 1335
Oxygen, Dissolved	2.7		mg/L	1.0	Field Sampling	660-97058	06/18/2010 1335
Specific Conductance	61080		umhos/cm	1.0	Field Sampling	660-97058	06/18/2010 1335
Turbidity	0.13		NTU	1.0	Field Sampling	660-97058	06/18/2010 1335

DATA REPORTING QUALIFIERS

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

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: 660-35848-1

Sdg Number: 35848

Method Blank - Batch: 680-172919

Method: 200.7 Rev 4.4

Preparation: N/A

Lab Sample ID: MB 680-172840/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1323
Date Prepared: N/A

Analysis Batch: 680-172919
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: E06292010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	PQL
SiO ₂ , Silica	50	U	50	500

Lab Control Sample - Batch: 680-172919

Method: 200.7 Rev 4.4

Preparation: N/A

Lab Sample ID: LCS 680-172840/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1325
Date Prepared: N/A

Analysis Batch: 680-172919
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: E06292010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
SiO ₂ , Silica	10000	9840	98	85 - 115	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-172919

Method: 200.7 Rev 4.4

Preparation: N/A

MS Lab Sample ID: 660-35848-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1336
Date Prepared: N/A

Analysis Batch: 680-172919
Prep Batch: N/A

Instrument ID: Varian ICP
Lab File ID: E06292010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

MSD Lab Sample ID: 660-35848-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1339
Date Prepared: N/A

Analysis Batch: 680-172919
Prep Batch: N/A

Instrument ID: Varian ICP
Lab File ID: E06292010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
SiO ₂ , Silica	96	99	75 - 125	2	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 640-70149

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

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

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

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

Analyte	Result	Qual	MDL	PQL
Arsenic	1.2	U	1.2	8.0
Barium	0.81	U	0.81	10
Beryllium	0.18	U	0.18	4.0
Cadmium	0.38	U	0.38	5.0
Copper	0.33	U	0.33	10
Iron	2.7	U	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	20
Selenium	3.4	U	3.4	10
Thallium	1.6	U	1.6	10
Vanadium	0.52	U	0.52	10
Zinc	1.8	U	1.8	20

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

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

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

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

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

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

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

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

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

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	102	104	85 - 115	2	20		
Barium	98	100	85 - 115	2	20		
Beryllium	104	106	85 - 115	2	20		
Cadmium	107	107	85 - 115	0	20		
Copper	101	103	85 - 115	1	20		
Iron	97	98	85 - 115	2	20		
Lead	101	103	85 - 115	2	20		
Manganese	102	103	85 - 115	2	20		
Molybdenum	94	94	85 - 115	0	20		
Nickel	103	104	85 - 115	1	20		
Selenium	104	107	85 - 115	3	20		
Thallium	106	107	85 - 115	1	20		
Vanadium	102	103	85 - 115	2	20		
Zinc	103	105	85 - 115	2	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

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

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

MS Lab Sample ID: 660-35826-G-1-B MS
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/29/2010 0805
Date Prepared: 06/22/2010 1000

Analysis Batch: 640-70408
Prep Batch: 640-70149

Instrument ID: ICP2
Lab File ID: 062910.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35826-G-1-C MSD
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/29/2010 0810
Date Prepared: 06/22/2010 1000

Analysis Batch: 640-70408
Prep Batch: 640-70149

Instrument ID: ICP2
Lab File ID: 062910.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	107	109	70 - 130	1	20		
Barium	106	108	70 - 130	1	20		
Beryllium	111	113	70 - 130	1	20		
Cadmium	115	119	70 - 130	3	20		
Copper	95	93	70 - 130	1	20		
Iron	89	90	70 - 130	1	20		
Lead	105	107	70 - 130	2	20		
Manganese	109	111	70 - 130	2	20		
Molybdenum	99	102	70 - 130	3	20		
Nickel	106	108	70 - 130	1	20		
Selenium	106	109	70 - 130	3	20		
Thallium	104	106	70 - 130	2	20		
Vanadium	103	105	70 - 130	2	20		
Zinc	101	104	70 - 130	3	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Duplicate - Batch: 640-70149

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Lab Sample ID: 660-35826-G-2-B DU

Analysis Batch: 640-70408

Instrument ID: ICP2

Client Matrix: Water

Prep Batch: 640-70149

Lab File ID: 062910.csv

Dilution: 10

Units: ug/L

Initial Weight/Volume: 50 mL

Date Analyzed: 06/29/2010 0828

Final Weight/Volume: 50 mL

Date Prepared: 06/22/2010 1000

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	12	U	12	NC	20	U
Barium	110		85.5	26	20	I J3
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	1700		1690	1	20	
Lead	24	U	24	NC	20	U
Manganese	54	I	53.5	1	20	I
Molybdenum	4.7	U	4.7	NC	20	U
Nickel	14	U	38.0	NC	20	I
Selenium	34	U	34	NC	20	U
Thallium	16	U	16	NC	20	U
Vanadium	13	I	14.0	10	20	I
Zinc	18	U	18	NC	20	U

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 660-96286

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 660-96286/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1312
Date Prepared: 06/23/2010 0900

Analysis Batch: 660-96322
Prep Batch: 660-96286
Units: ug/L

Instrument ID: PS200II
Lab File ID: 10F23PS.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: 660-96286

Method: 245.1
Preparation: 245.1

Lab Sample ID: LCS 660-96286/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1315
Date Prepared: 06/23/2010 0900

Analysis Batch: 660-96322
Prep Batch: 660-96286
Units: ug/L

Instrument ID: PS200II
Lab File ID: 10F23PS.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.890	89	85 - 115	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96286

Method: 245.1
Preparation: 245.1

MS Lab Sample ID: 660-35848-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1321
Date Prepared: 06/23/2010 0900

Analysis Batch: 660-96322
Prep Batch: 660-96286

Instrument ID: PS200II
Lab File ID: 10F23PS.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 660-35848-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1324
Date Prepared: 06/23/2010 0900

Analysis Batch: 660-96322
Prep Batch: 660-96286

Instrument ID: PS200II
Lab File ID: 10F23PS.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	66	72	85 - 115	8	20	J3	J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 660-96355

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

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

Method: 6010B Preparation: 3005A Total Recoverable

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

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

Method Blank - Batch: 660-96355

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

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

Method: 6010B Preparation: 3005A Total Recoverable

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

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

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Lab Control Sample - Batch: 660-96355

Method: 6010B
Preparation: 3005A
Total Recoverable

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

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

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

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

Lab Control Sample - Batch: 660-96355

Method: 6010B
Preparation: 3005A
Total Recoverable

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

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

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

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

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

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

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID: 660-35887-E-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1446
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355

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

MSD Lab Sample ID: 660-35887-E-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1452
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355

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

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

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

Method: 6010B
Preparation: 3005A
Total Recoverable

MS Lab Sample ID: 660-35887-E-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1446
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355

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

MSD Lab Sample ID: 660-35887-E-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1452
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355

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

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

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 660-96448

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96448/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1952
Date Prepared: N/A

Analysis Batch: 660-96448
Prep Batch: N/A
Units: mg/L

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

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

Lab Control Sample - Batch: 660-96448

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96448/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 2206
Date Prepared: N/A

Analysis Batch: 660-96448
Prep Batch: N/A
Units: mg/L

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

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	0.986	99	90 - 110	
Chloride	10.0	9.79	98	90 - 110	
Sulfate	10.0	9.90	99	90 - 110	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96448

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-35841-B-1 MS ^500
Client Matrix: Water
Dilution: 500
Date Analyzed: 06/25/2010 0332
Date Prepared: N/A

Analysis Batch: 660-96448
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 27.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35841-B-1 MSD
Client Matrix: Water
Dilution: 500
Date Analyzed: 06/25/2010 0353
Date Prepared: N/A

Analysis Batch: 660-96448
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 28.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	103	108	90 - 110	5	30		
Sulfate	96	103	90 - 110	4	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 660-96469

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96469/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/25/2010 1701
Date Prepared: N/A

Analysis Batch: 660-96469
Prep Batch: N/A
Units: mg/L

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

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

Lab Control Sample - Batch: 660-96469

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96469/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/25/2010 1719
Date Prepared: N/A

Analysis Batch: 660-96469
Prep Batch: N/A
Units: mg/L

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

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	1.00	100	90 - 110	
Chloride	10.0	10.6	106	90 - 110	
Fluoride	1.00	0.978	98	90 - 110	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96469

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-35819-J-3 MS ^10 Analysis Batch: 660-96469
Client Matrix: Water Prep Batch: N/A
Dilution: 10
Date Analyzed: 06/25/2010 1956
Date Prepared: N/A

Instrument ID: DIONEX 1
Lab File ID: 21.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35819-J-3 MSD ^10 Analysis Batch: 660-96469
Client Matrix: Water Prep Batch: N/A
Dilution: 10
Date Analyzed: 06/25/2010 2014
Date Prepared: N/A

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	89	91	90 - 110	2	30	J3	
Chloride	48	48	90 - 110	0	30	J3	J3
Fluoride	84	84	90 - 110	1	30	J3	J3

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96469

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-35848-5 Analysis Batch: 660-96469
Client Matrix: Water Prep Batch: N/A
Dilution: 1000
Date Analyzed: 06/26/2010 0019
Date Prepared: N/A

Instrument ID: DIONEX 1
Lab File ID: 33.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35848-5 Analysis Batch: 660-96469
Client Matrix: Water Prep Batch: N/A
Dilution: 1000
Date Analyzed: 06/26/2010 0037
Date Prepared: N/A

Instrument ID: DIONEX 1
Lab File ID: 34.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloride	97	96	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Method Blank - Batch: 660-96495

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96495/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2010 1305
Date Prepared: N/A

Analysis Batch: 660-96495
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 10.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

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

Lab Control Sample - Batch: 660-96495

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96495/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/26/2010 1327
Date Prepared: N/A

Analysis Batch: 660-96495
Prep Batch: N/A
Units: mg/L

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

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	1.01	101	90 - 110	
Chloride	10.0	9.74	97	90 - 110	
Sulfate	10.0	10.1	101	90 - 110	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96495

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-35805-E-2 MS
Client Matrix: Water
Dilution: 1000
Date Analyzed: 06/26/2010 1454
Date Prepared: N/A

Analysis Batch: 660-96495
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 15.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35805-E-2 MSD
Client Matrix: Water
Dilution: 1000
Date Analyzed: 06/26/2010 1515
Date Prepared: N/A

Analysis Batch: 660-96495
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 16.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloride	100	106	90 - 110	3	30		
Sulfate	101	103	90 - 110	2	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 660-96337

Method: 351.2
Preparation: 351.2

Lab Sample ID: MB 660-96337/10-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1402
Date Prepared: 06/23/2010 1600

Analysis Batch: 660-96389
Prep Batch: 660-96337
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
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: 660-96337

Method: 351.2
Preparation: 351.2

Lab Sample ID: LCS 660-96337/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1402
Date Prepared: 06/23/2010 1600

Analysis Batch: 660-96389
Prep Batch: 660-96337
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrogen, Kjeldahl	3.00	3.02	101	90 - 110	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96337

Method: 351.2
Preparation: 351.2

MS Lab Sample ID: 660-35855-D-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1402
Date Prepared: 06/23/2010 1600

Analysis Batch: 660-96389
Prep Batch: 660-96337

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

MSD Lab Sample ID: 660-35855-D-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1402
Date Prepared: 06/23/2010 1600

Analysis Batch: 660-96389
Prep Batch: 660-96337

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitrogen, Kjeldahl	89	94	90 - 110	3	30	J3	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 640-70268

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 640-70268/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1026
Date Prepared: N/A

Analysis Batch: 640-70268
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO30602410A1.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: 640-70268

Method: 353.2
Preparation: N/A

LCS Lab Sample ID: LCS 640-70268/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1029
Date Prepared: N/A

Analysis Batch: 640-70268
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO30602410A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70268/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1030
Date Prepared: N/A

Analysis Batch: 640-70268
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO30602410A1.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	103	103	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70268

Method: 353.2

Preparation: N/A

MS Lab Sample ID: 640-28450-D-5 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1102
Date Prepared: N/A

Analysis Batch: 640-70268
Prep Batch: N/A

Instrument ID: ASTORIA
Lab File ID: NO2+NO30602410A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28450-D-5 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1104
Date Prepared: N/A

Analysis Batch: 640-70268
Prep Batch: N/A

Instrument ID: ASTORIA
Lab File ID: NO2+NO30602410A1.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	133	132	90 - 110	1	30	J3	J3

Duplicate - Batch: 640-70268

Method: 353.2

Preparation: N/A

Lab Sample ID: 640-28432-B-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1036
Date Prepared: N/A

Analysis Batch: 640-70268
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO30602410A1.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	0.00872	NC	30	I

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 640-70167

Method: 365.1
Preparation: 365.2/365.3/365

Lab Sample ID: MB 640-70167/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1613
Date Prepared: 06/22/2010 1354

Analysis Batch: 640-70261
Prep Batch: 640-70167
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.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: 640-70167

Method: 365.1
Preparation: 365.2/365.3/365

LCS Lab Sample ID: LCS 640-70167/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1254
Date Prepared: 06/22/2010 1354

Analysis Batch: 640-70261
Prep Batch: 640-70167
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70167/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1256
Date Prepared: 06/22/2010 1354

Analysis Batch: 640-70261
Prep Batch: 640-70167
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.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	100	100	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70167

Method: 365.1

Preparation: 365.2/365.3/365

MS Lab Sample ID: 640-28437-B-1-C MS
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 06/23/2010 1436
Date Prepared: 06/22/2010 1354

Analysis Batch: 640-70261
Prep Batch: 640-70167

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28437-B-1-D MSD
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 06/23/2010 1438
Date Prepared: 06/22/2010 1354

Analysis Batch: 640-70261
Prep Batch: 640-70167

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.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	192	109	90 - 110	2	30	J3	

Duplicate - Batch: 640-70167

Method: 365.1

Preparation: 365.2/365.3/365

Lab Sample ID: 640-28437-B-1-B DU
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 06/23/2010 1435
Date Prepared: 06/22/2010 1354

Analysis Batch: 640-70261
Prep Batch: 640-70167
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Phosphorus	3.9	3.95	1	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 640-70184

Method: 365.1
Preparation: 365.2/365.3/365

Lab Sample ID: MB 640-70184/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1615
Date Prepared: 06/22/2010 1618

Analysis Batch: 640-70261
Prep Batch: 640-70184
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.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: 640-70184

Method: 365.1
Preparation: 365.2/365.3/365

LCS Lab Sample ID: LCS 640-70184/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1616
Date Prepared: 06/22/2010 1618

Analysis Batch: 640-70261
Prep Batch: 640-70184
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70184/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1621
Date Prepared: 06/22/2010 1618

Analysis Batch: 640-70261
Prep Batch: 640-70184
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	LCS	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
		LCS	LCSD					
Phosphorus	102	99		90 - 110	3	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1

Sdg Number: 35848

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70184

Method: 365.1

Preparation: 365.2/365.3/365

MS Lab Sample ID: 640-28387-H-1-D MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1625
Date Prepared: 06/22/2010 1618

Analysis Batch: 640-70261
Prep Batch: 640-70184

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28387-H-1-E MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1627
Date Prepared: 06/22/2010 1618

Analysis Batch: 640-70261
Prep Batch: 640-70184

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.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	407	393	90 - 110	3	30	J3	J3

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70184

Method: 365.1

Preparation: 365.2/365.3/365

MS Lab Sample ID: 660-35826-A-5-B MS
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/23/2010 1704
Date Prepared: 06/22/2010 1618

Analysis Batch: 640-70261
Prep Batch: 640-70184

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 660-35826-A-5-C MSD
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/23/2010 1706
Date Prepared: 06/22/2010 1618

Analysis Batch: 640-70261
Prep Batch: 640-70184

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.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	417	520	90 - 110	20	30	J3	J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Duplicate - Batch: 640-70184

Method: 365.1

Preparation: 365.2/365.3/365

Lab Sample ID: 640-28387-H-1-C DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1624
Date Prepared: 06/22/2010 1618

Analysis Batch: 640-70261
Prep Batch: 640-70184
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP062310A1B3.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Phosphorus	0.0044 U	0.0044	NC	30	U

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 680-172471

Method: 9060
Preparation: N/A

Lab Sample ID: MB 680-172471/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1218
Date Prepared: N/A

Analysis Batch: 680-172471
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

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 660-96458

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 660-96458/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/25/2010 1236
Date Prepared: N/A

Analysis Batch: 660-96458
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 6.25.10.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: 660-96458

Method: SM 2320B
Preparation: N/A

Lab Sample ID: LCS 660-96458/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/25/2010 1244
Date Prepared: N/A

Analysis Batch: 660-96458
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 6.25.10.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	118	115	98	80 - 120	

Duplicate - Batch: 660-96458

Method: SM 2320B
Preparation: N/A

Lab Sample ID: 660-35848-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/25/2010 1256
Date Prepared: N/A

Analysis Batch: 660-96458
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 6.25.10.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	180	181	0	30	
Carbonate Alkalinity as CaCO3	1.0 U	1.0	NC	30	U

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 660-96316

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 660-96316/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1418
Date Prepared: N/A

Analysis Batch: 660-96316
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: 660-96316

Method: SM 2540C
Preparation: N/A

Lab Sample ID: LCS 660-96316/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1418
Date Prepared: N/A

Analysis Batch: 660-96316
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	9840	98	80 - 120	

Duplicate - Batch: 660-96316

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 660-35848-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1419
Date Prepared: N/A

Analysis Batch: 660-96316
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	53000	53800	1	20	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 660-96184

Method: SM 3500 CR B
Preparation: N/A

Lab Sample ID: MB 660-96184/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2010 0920
Date Prepared: N/A

Analysis Batch: 660-96184
Prep Batch: N/A
Units: ug/L

Instrument ID: HACH
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: 660-96184

Method: SM 3500 CR B
Preparation: N/A

Lab Sample ID: LCS 660-96184/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2010 0920
Date Prepared: N/A

Analysis Batch: 660-96184
Prep Batch: N/A
Units: ug/L

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

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	20.0	21.5	108	85 - 115	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96184

Method: SM 3500 CR B
Preparation: N/A

MS Lab Sample ID: 660-35848-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2010 0920
Date Prepared: N/A

Analysis Batch: 660-96184
Prep Batch: N/A

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

MSD Lab Sample ID: 660-35848-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2010 0920
Date Prepared: N/A

Analysis Batch: 660-96184
Prep Batch: N/A

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

Analyte	MS	<u>% Rec.</u> MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chromium (hexavalent)	85	85	85 - 115	0	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 680-172902

Method: SM 4500 NH3 G
Preparation: SM 4500 NH3 B

Lab Sample ID: MB 680-172902/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1650
Date Prepared: 06/29/2010 1511

Analysis Batch: 680-172931
Prep Batch: 680-172902
Units: mg/L

Instrument ID: KONELAB1
Lab File ID: KONE1062910B1NH3DIST.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: 680-172902

Method: SM 4500 NH3 G
Preparation: SM 4500 NH3 B

Lab Sample ID: LCS 680-172902/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1650
Date Prepared: 06/29/2010 1511

Analysis Batch: 680-172931
Prep Batch: 680-172902
Units: mg/L

Instrument ID: KONELAB1
Lab File ID: KONE1062910B1NH3DIST.xl
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

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

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-172902

Method: SM 4500 NH3 G
Preparation: SM 4500 NH3 B

MS Lab Sample ID: 660-35848-1
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 06/29/2010 1717
Date Prepared: 06/29/2010 1511

Analysis Batch: 680-172931
Prep Batch: 680-172902

Instrument ID: KONELAB1
Lab File ID: KONE1062910B1NH3DIST.xl
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

MSD Lab Sample ID: 660-35848-1
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 06/29/2010 1717
Date Prepared: 06/29/2010 1511

Analysis Batch: 680-172931
Prep Batch: 680-172902

Instrument ID: KONELAB1
Lab File ID: KONE1062910B1NH3DIST.xl
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ammonia	99	119	90 - 110	9	30		J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Duplicate - Batch: 680-172902

Method: SM 4500 NH3 G
Preparation: SM 4500 NH3 B

Lab Sample ID: 660-35894-A-2-B DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1700
Date Prepared: 06/29/2010 1511

Analysis Batch: 680-172931
Prep Batch: 680-172902
Units: mg/L

Instrument ID: KONELAB1
Lab File ID: KONE1062910B1NH3DIST.xls
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Ammonia	0.082	0.0830	1	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 640-70218

Method: SM 4500 P E
Preparation: N/A

Lab Sample ID: MB 640-70218/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2010 1922
Date Prepared: N/A

Analysis Batch: 640-70218
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP061910D1ab.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 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: 640-70218

Method: SM 4500 P E
Preparation: N/A

LCS Lab Sample ID: LCS 640-70218/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2010 1925
Date Prepared: N/A

Analysis Batch: 640-70218
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP061910D1ab.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 640-70218/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2010 2203
Date Prepared: N/A

Analysis Batch: 640-70218
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP061910D1ab.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
ortho-Phosphate-Dissolved	103	92	90 - 110	11	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-70218

Method: SM 4500 P E
Preparation: N/A

MS Lab Sample ID: 660-35848-1
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/19/2010 2212
Date Prepared: N/A

Analysis Batch: 640-70218
Prep Batch: N/A

Instrument ID: ASTORIA2
Lab File ID: OP061910D1ab.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 660-35848-1
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/19/2010 2213
Date Prepared: N/A

Analysis Batch: 640-70218
Prep Batch: N/A

Instrument ID: ASTORIA2
Lab File ID: OP061910D1ab.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
ortho-Phosphate-Dissolved	5	10	90 - 110	8	30	I J3	I J3

Duplicate - Batch: 640-70218

Method: SM 4500 P E
Preparation: N/A

Lab Sample ID: 660-35848-1
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/19/2010 2208
Date Prepared: N/A

Analysis Batch: 640-70218
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP061910D1ab.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
ortho-Phosphate-Dissolved	0.11	I	0.112	3.13	30	I

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35848-1
Sdg Number: 35848

Method Blank - Batch: 660-96344

Method: SM 4500 S2 F
Preparation: N/A

Lab Sample ID: MB 660-96344/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1700
Date Prepared: N/A

Analysis Batch: 660-96344
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: 660-96344

Method: SM 4500 S2 F
Preparation: N/A

LCS Lab Sample ID: LCS 660-96344/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1700
Date Prepared: N/A

Analysis Batch: 660-96344
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 660-96344/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 1700
Date Prepared: N/A

Analysis Batch: 660-96344
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	92	93	75 - 125	1	25		

Form FD 9000-24
GROUNDWATER SAMPLING LOG

35848

SITE NAME: 061310-TPGW-12D		SITE LOCATION:	
WELL NO:		DATE: 06/18/10	

PURGING DATA											
WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 90 feet to 94 feet	STATIC DEPTH TO WATER (feet): 1.4	PURGE PUMP TYPE OR BAILER: PP							
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): 92'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 92'	PURGING INITIATED AT: 09:58	PURGING ENDED AT: 10:29	TOTAL VOLUME PURGED (gallons): 2.8							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:15	1.75	1.75	0.07	1.5	7.34	27.10	57.67	3.4 (22)	1.88	Clear	-
10:22	.50	2.25	0.09	1.5	7.32	27.08	57.82	3.2 (21)	2.12	"	-
10:28	.55	2.80	0.09	1.55	7.29	27.04	57.91	3.1 (20)	3.02	"	-
<p>WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.66; 5" = 1.02; 6" = 1.47; 12" = 6.88</p> <p>TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016</p> <p>PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)</p>											

SAMPLING DATA			
SAMPLED BY (PRINT) / AFFILIATION: J. Jacobs S. Hodges		SAMPLER(S) SIGNATURE(S): J. Jacobs	
PUMP OR TUBING DEPTH IN WELL (feet): 99		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: <input checked="" type="checkbox"/> N	
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	TOTAL VOL ADDED IN FIELD (mL)
1	1	PE	125 mL
2	1	PE	125 mL
3	1	PE	500 mL
4	1	CG	40 mL
5	1	AG	250 mL
6	2	PE	250 mL
REMARKS: 0 PE 250 - 1/12 nitric acid / sulfuric acid 250 mL - 1/2 5:02 / Carson / trace metals 2/12 nitric acid / nitric acid			
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

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: 061810-TEOW-25		SITE LOCATION:	
WELL NO:	SAMPLE ID:	DATE: 06/18/10	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 25 feet to 29 feet	STATIC DEPTH TO WATER (feet): 1.74	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
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): 28	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 28	PURGING INITIATED AT: 12:25	PURGING ENDED AT: 12:55	TOTAL VOLUME PURGED (gallons): 2.8g							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) umhos/cm or % saturation	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:37	1.5	1.5	.08	1.7	7.3	26.84	65.38	2.7(1.7)	1.30	clear	none
12:49	.95	2.45	.08	1.7	7.29	26.30	65.88	1.5(0.9)	0.33	"	"
12:55	.35	2.80	.06	1.75	7.29	26.31	65.98	3.7(2.2)	0.38	"	"
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" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 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)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Salas, S. Hodges		SAMPLER(S) SIGNATURE(S): [Signature]		SAMPLING INITIATED AT: 13:00	SAMPLING ENDED AT: 13:25				
PUMP OR TUBING DEPTH IN WELL (feet): 28		TUBING MATERIAL CODE: T		FIELD-FILTERED: <input checked="" type="radio"/> N	FILTER SIZE: 45 µm				
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> TUBING Y <input checked="" type="radio"/> (Replaced)		DUPLICATE: Y <input checked="" type="radio"/> N <input checked="" type="radio"/>							
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION						
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1L	—	1L	—	APK, Br/Cl/Fe	APP	.08
	2	PE	125 mL	—	125 mL	—	OP / H ₂ O ₂	APP	.08
	3	PE	500 mL	—	500 mL	—	OS / SW / NH ₃	APP	.08
	1	CG	40 mL	—	40 mL	—	DI	APP	.08
	1	AG	250 mL	HCl	250 mL	2	DOC	APP	.08
	2	PE	250 mL	—	250 mL	—	Cr / Br / SW	APP	.08
REMARKS: 6 PE 250 mL f / nitrate 250 mL f / 2 500 mL / C / SW 250 mL f / 2 500 mL / C / SW 250 mL f / 2 500 mL / C / SW									
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: ± 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: 061810-TPGW-2m	SITE LOCATION:
WELL NO:	SAMPLE ID: DATE: 06/18/10

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>J. J. Edwards</i>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: <i>13:35</i>		SAMPLING ENDED AT: <i>13:55</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>52</i>				TUBING MATERIAL CODE: <i>T</i>		FIELD-FILTERED: <input checked="" type="radio"/> N Filtration Equipment Type:		FILTER SIZE: <i>46</i> 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				
	<i>1</i>	<i>PE</i>	<i>1 L</i>	<i>—</i>	<i>1 L</i>	<i>—</i>	<i>Alk, Br, Cl, Cr6</i>	<i>APP</i>	<i>1.0</i>	
	<i>2</i>	<i>PE</i>	<i>125 mL</i>	<i>—</i>	<i>125 mL</i>	<i>—</i>	<i>OP / Hg²⁺</i>	<i>APP</i>	<i>1.0</i>	
	<i>3</i>	<i>PE</i>	<i>500 mL</i>	<i>1/2 Acetic Acid</i>	<i>500 mL</i>	<i>-19/1</i>	<i>TDS / BIF / NH₃</i>	<i>APP</i>	<i>1.0</i>	
	<i>1</i>	<i>CG</i>	<i>40 mL</i>	<i>—</i>	<i>40 mL</i>	<i>—</i>	<i>DIC</i>	<i>APP</i>	<i>1.0</i>	
	<i>1</i>	<i>AG</i>	<i>250 mL</i>	<i>HCl</i>	<i>250 mL</i>	<i>2</i>	<i>DIC</i>	<i>APP</i>	<i>1.0</i>	
	<i>2</i>	<i>PE</i>	<i>250 mL</i>	<i>1/2 HNO₃</i>	<i>250 mL</i>	<i>-1</i>	<i>Tot / Stront</i>	<i>APP</i>	<i>1.0</i>	
REMARKS: <i>6 PE 250 mL 1/2 HNO₃ 250 mL 1/1 STDZ / Carb / Trill</i>										
<i>2 Bait for 2/1/1 methyl / Nox / TRN</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 = 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)

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE TABLE 2200-2):
 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

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35848-1

SDG Number: 35848

Login Number: 35848

List Source: TestAmerica Tampa

Creator: Volz, Charles

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1,3.0.2.9 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.	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: 660-35848-1

SDG Number: 35848

Login Number: 35848

Creator: Conner, Keaton

List Number: 1

List Source: TestAmerica Savannah

List Creation: 06/22/10 10:03 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?	False	
There are no discrepancies between the sample IDs on the containers and the COC.	False	-2 received 6 containers (3 40 ml voa HCL)
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: 660-35848-1

SDG Number: 35848

Login Number: 35848

Creator: Snead, Joshua

List Number: 1

List Source: TestAmerica Tallahassee

List Creation: 06/22/10 08:46 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	