

ANALYTICAL REPORT

Job Number: 660-35986-1

SDG Number: 35986

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
8/30/2010 3:41 PM

Amy Atkins
Project Manager I
amy.atkins@testamericainc.com
08/30/2010

cc: Ms. Sharon Ewe

Methods: FDEP, DOH Certification #: TestAmerica Tampa E84282; TestAmerica Tallahassee E81005; TestAmerica Savannah E87052; KNL E84025. These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

TestAmerica Laboratories, Inc.

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Job Narrative
660-35986-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

200.7

The following samples were diluted for silica due to the nature of the sample matrix: 062810-SWCCS-1B (660-35986-1), 062810-SWCCS-3B (660-35986-2), 062810-SWCCS-7B (660-35986-3). Elevated reporting limits (RLs) are provided.

The method blank for batch 680-174051 contained silica above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. The data are flagged with V qualifiers.

9060

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

300.0

The matrix spike (MS) recovery for batch 660-97133 was outside control limits for Chloride. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data are flagged with J3 qualifiers.

353.2

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 640-70459 were outside of control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data are flagged with J3 qualifiers.

SM 4500 PE

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 640-70422 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data are flagged with J3 qualifiers.

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.

SM 4500 S2F

Insufficient sample volume was provided to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 660-96797.

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35986-1	062810-SWCCS-1B				
Gross Alpha		68+-6	1.2	pCi/L	900.0
Field pH		8.22		SU	Field Sampling
Field Temperature		38.84		Degrees C	Field Sampling
Oxygen, Dissolved		4.63		mg/L	Field Sampling
Specific Conductance		76050		umhos/cm	Field Sampling
Turbidity		9.19		NTU	Field Sampling
Bromide		130	5.0	mg/L	300.0
Chloride		39000	500	mg/L	300.0
Sulfate		4600	500	mg/L	300.0
Nitrogen, Kjeldahl		1.3	0.20	mg/L	351.2
Phosphorus		0.033	0.010	mg/L	365.1
Alkalinity		150	1.0	mg/L	SM 2320B
Total Dissolved Solids		77000	250	mg/L	SM 2540C
Ammonia		0.12	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.3	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.028	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		1300 I V	2500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		30	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.069 I J3	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		82 I	100	ug/L	200.7 Rev 4.4
Boron		9000	500	ug/L	6010B
Calcium		820	5.0	mg/L	6010B
Potassium		760	200	mg/L	6010B
Strontium		16000	50	ug/L	6010B
Magnesium		2600	0.80	mg/L	6010B
Sodium		22000	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35986-2	062810-SWCCS-3B				
Gross Alpha		52+-5	1.2	pCi/L	900.0
Field pH		8.19		SU	Field Sampling
Field Temperature		34.88		Degrees C	Field Sampling
Oxygen, Dissolved		7.61		mg/L	Field Sampling
Specific Conductance		70260		umhos/cm	Field Sampling
Turbidity		8.57		NTU	Field Sampling
Bromide		120	5.0	mg/L	300.0
Chloride		37000	500	mg/L	300.0
Sulfate		4300	500	mg/L	300.0
Nitrogen, Kjeldahl		1.6	0.20	mg/L	351.2
Phosphorus		0.026	0.010	mg/L	365.1
Alkalinity		160	1.0	mg/L	SM 2320B
Carbonate Alkalinity as CaCO3		5.5	1.0	mg/L	SM 2320B
Total Dissolved Solids		71000	250	mg/L	SM 2540C
Ammonia		0.11	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.6	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.020	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		1600 I V	2500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		32	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.071 I	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		73 I	100	ug/L	200.7 Rev 4.4
Boron		8400	500	ug/L	6010B
Calcium		790	5.0	mg/L	6010B
Potassium		710	200	mg/L	6010B
Strontium		15000	50	ug/L	6010B
Magnesium		2500	0.80	mg/L	6010B
Sodium		21000	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35986-3	062810-SWCCS-7B				
Gross Alpha		55+-5	1.0	pCi/L	900.0
Field pH		8.24		SU	Field Sampling
Field Temperature		36.89		Degrees C	Field Sampling
Oxygen, Dissolved		5.62		mg/L	Field Sampling
Specific Conductance		75940		umhos/cm	Field Sampling
Turbidity		6.42		NTU	Field Sampling
Bromide		120	5.0	mg/L	300.0
Chloride		39000 J3	500	mg/L	300.0
Sulfate		5200	500	mg/L	300.0
Nitrogen, Kjeldahl		1.5	0.20	mg/L	351.2
Phosphorus		0.025	0.010	mg/L	365.1
Alkalinity		150	1.0	mg/L	SM 2320B
Total Dissolved Solids		77000	250	mg/L	SM 2540C
Ammonia		0.11	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.5	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.024	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		1300 I V	2500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		30	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.069 I	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		41 I	100	ug/L	200.7 Rev 4.4
Boron		8900	500	ug/L	6010B
Calcium		830	5.0	mg/L	6010B
Potassium		760	200	mg/L	6010B
Strontium		16000	50	ug/L	6010B
Magnesium		2600	0.80	mg/L	6010B
Sodium		22000	100	mg/L	6010B

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

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
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	
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	
Gross Alpha and Gross Beta Radioactivity	SC0009	EPA 900.0	
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

SC0009 = KNL Laboratory Services

TAL SAV = TestAmerica Savannah

TAL TAL = TestAmerica Tallahassee

TAL TAM = TestAmerica Tampa

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

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: 660-35986-1

Sdg Number: 35986

Method	Analyst	Analyst ID
EPA 900.0	ANALYST, SUBCONTRACTED	SUB
40CFR136A 200.7 Rev 4.4	Bland, Brian	BCB
EPA 200.7 Rev 4.4	Neal, Amanda J	AJN
SW846 6010B	Fox, Greg	GF
EPA Field Sampling	Sampler, Field	FS
MCAWW 300.0	Sengsouvana, Dom	DS
MCAWW 351.2	Office, Trey	TO
MCAWW 353.2	Williams, Tabatha D	TDW
EPA 365.1	Carlisle, Felicia F	FFC
SW846 9060	Blackshear, Kim	KB
SM SM 2320B	Steward, Tiffany	TS
SM SM 2540C	Oonnoony, Thomas	TO
SM SM 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	Wallace, Tiffany B	TBW
FL-DEP UnionizedNH3	Ross, Jon	JR

SAMPLE SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-35986-1	062810-SWCCS-1B	Water	06/28/2010 1115	06/29/2010 0845
660-35986-2	062810-SWCCS-3B	Water	06/28/2010 1345	06/29/2010 0845
660-35986-3	062810-SWCCS-7B	Water	06/28/2010 1225	06/29/2010 0845

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Client Sample ID: 062810-SWCCS-1B

Lab Sample ID: 660-35986-1

Date Sampled: 06/28/2010 1115

Client Matrix: Water

Date Received: 06/29/2010 0845

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70492	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70429	Lab File ID:	070110a.csv
Dilution:	1.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/01/2010 1334		Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1115			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	82	I	8.1	100
Iron	27	U	27	500

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-174051	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E07132010_SI.csv
Dilution:	5.0		Initial Weight/Volume:	
Date Analyzed:	07/13/2010 1455		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	1300	I V	250	2500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96932	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96850	Lab File ID:	10G08A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/08/2010 1050	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	07/07/2010 0900			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	820		1.0	5.0
Magnesium	2600		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	9000		100	500
Strontium	16000		10	50

Method:	6010B	Analysis Batch: 660-96932	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96850	Lab File ID:	10G08A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	07/08/2010 1238	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	07/07/2010 0900			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	760		38	200
Sodium	22000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Client Sample ID: 062810-SWCCS-3B

Lab Sample ID: 660-35986-2

Date Sampled: 06/28/2010 1345

Client Matrix: Water

Date Received: 06/29/2010 0845

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70492	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70429	Lab File ID:	070110a.csv
Dilution:	1.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/01/2010 1337		Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1115			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	73	I	8.1	100
Iron	27	U	27	500

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-174051	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E07132010_SI.csv
Dilution:	5.0		Initial Weight/Volume:	
Date Analyzed:	07/13/2010 1504		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	1600	I V	250	2500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96932	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96850	Lab File ID:	10G08A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/08/2010 1055	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	07/07/2010 0900			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	790		1.0	5.0
Magnesium	2500		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	8400		100	500
Strontium	15000		10	50

Method:	6010B	Analysis Batch: 660-96932	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96850	Lab File ID:	10G08A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	07/08/2010 1225	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	07/07/2010 0900			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	710		38	200
Sodium	21000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Client Sample ID: 062810-SWCCS-7B

Lab Sample ID: 660-35986-3

Date Sampled: 06/28/2010 1225

Client Matrix: Water

Date Received: 06/29/2010 0845

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70492	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70429	Lab File ID:	070110a.csv
Dilution:	1.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/01/2010 1340		Final Weight/Volume:	50 mL
Date Prepared:	06/30/2010 1115			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	41	I	8.1	100
Iron	27	U	27	500

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-174051	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E07132010_SI.csv
Dilution:	5.0		Initial Weight/Volume:	
Date Analyzed:	07/13/2010 1507		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	1300	I V	250	2500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96932	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96850	Lab File ID:	10G08A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/08/2010 1101	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	07/07/2010 0900			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	830		1.0	5.0
Magnesium	2600		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	8900		100	500
Strontium	16000		10	50

Method:	6010B	Analysis Batch: 660-96932	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96850	Lab File ID:	10G08A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	07/08/2010 1231	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	07/07/2010 0900			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	760		38	200
Sodium	22000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

General Chemistry

Client Sample ID: 062810-SWCCS-1B

Lab Sample ID: 660-35986-1

Date Sampled: 06/28/2010 1115

Client Matrix: Water

Date Received: 06/29/2010 0845

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	130		mg/L	2.7	5.0	100	300.0
Run Type: DL	Analysis Batch: 660-97082	Date Analyzed: 07/10/2010	1002				
Chloride	39000		mg/L	200	500	1000	300.0
Run Type: DL3	Analysis Batch: 660-97133	Date Analyzed: 07/13/2010	0622				
Fluoride	0.080	U	mg/L	0.080	0.20	4.0	300.0
	Analysis Batch: 660-97082	Date Analyzed: 07/10/2010	0857				
Sulfate	4600		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97082	Date Analyzed: 07/10/2010	1045				
Nitrogen, Kjeldahl	1.3		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96687	Date Analyzed: 07/01/2010	1053				
	Prep Batch: 660-96654	Date Prepared: 06/30/2010	1700				
Nitrate Nitrite as N	0.0047	U	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70459	Date Analyzed: 06/30/2010	1536				
Phosphorus	0.033		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70589	Date Analyzed: 07/06/2010	1505				
	Prep Batch: 640-70509	Date Prepared: 07/02/2010	0930				
Ammonia	0.12		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-173280	Date Analyzed: 07/02/2010	1055				
	Prep Batch: 680-173212	Date Prepared: 07/01/2010	1522				
ortho-Phosphate-Dissolved	0.069	I J3	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70422	Date Analyzed: 06/29/2010	1722				
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	30		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-173756	Date Analyzed: 07/08/2010	1654				
Alkalinity	150		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96877	Date Analyzed: 07/07/2010	1156				
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96877	Date Analyzed: 07/07/2010	1156				
Total Dissolved Solids	77000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96652	Date Analyzed: 06/30/2010	1617				
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96797	Date Analyzed: 07/03/2010	1200				
Nitrogen, Total	1.3		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70607	Date Analyzed: 07/07/2010	1032				
Unionized Ammonia	0.028		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-173808	Date Analyzed: 07/12/2010	0927				

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

General Chemistry**Client Sample ID: 062810-SWCCS-3B**

Lab Sample ID: 660-35986-2

Date Sampled: 06/28/2010 1345

Client Matrix: Water

Date Received: 06/29/2010 0845

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	120		mg/L	2.7	5.0	100	300.0
Run Type: DL	Analysis Batch: 660-97082	Date Analyzed: 07/10/2010 1023					
Chloride	37000		mg/L	200	500	1000	300.0
Run Type: DL3	Analysis Batch: 660-97133	Date Analyzed: 07/13/2010 0644					
Fluoride	0.080	U	mg/L	0.080	0.20	4.0	300.0
	Analysis Batch: 660-97082	Date Analyzed: 07/10/2010 0918					
Sulfate	4300		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97082	Date Analyzed: 07/10/2010 1150					
Nitrogen, Kjeldahl	1.6		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96687	Date Analyzed: 07/01/2010 1054					
	Prep Batch: 660-96654	Date Prepared: 06/30/2010 1700					
Nitrate Nitrite as N	0.0047	U J3	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70459	Date Analyzed: 06/30/2010 1537					
Phosphorus	0.026		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70589	Date Analyzed: 07/06/2010 1506					
	Prep Batch: 640-70509	Date Prepared: 07/02/2010 0930					
Ammonia	0.11		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-173280	Date Analyzed: 07/02/2010 1055					
	Prep Batch: 680-173212	Date Prepared: 07/01/2010 1522					
ortho-Phosphate-Dissolved	0.071	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70422	Date Analyzed: 06/29/2010 1730					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	32		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-173756	Date Analyzed: 07/08/2010 1654					
Alkalinity	160		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1203					
Carbonate Alkalinity as CaCO3	5.5		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1203					
Total Dissolved Solids	71000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96652	Date Analyzed: 06/30/2010 1617					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96797	Date Analyzed: 07/03/2010 1200					
Nitrogen, Total	1.6		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70607	Date Analyzed: 07/07/2010 1032					
Unionized Ammonia	0.020		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-173808	Date Analyzed: 07/12/2010 0927					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

General Chemistry

Client Sample ID: 062810-SWCCS-7B

Lab Sample ID: 660-35986-3

Client Matrix: Water

Date Sampled: 06/28/2010 1225

Date Received: 06/29/2010 0845

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	120		mg/L	2.7	5.0	100	300.0
Run Type: DL	Analysis Batch: 660-97133	Date Analyzed: 07/13/2010 0749					
Chloride	39000	J3	mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97133	Date Analyzed: 07/13/2010 0811					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1744					
Sulfate	5200		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97133	Date Analyzed: 07/13/2010 0811					
Nitrogen, Kjeldahl	1.5		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96687	Date Analyzed: 07/01/2010 1055					
	Prep Batch: 660-96654	Date Prepared: 06/30/2010 1700					
Nitrate Nitrite as N	0.0047	U	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70459	Date Analyzed: 06/30/2010 1548					
Phosphorus	0.025		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70589	Date Analyzed: 07/06/2010 1515					
	Prep Batch: 640-70509	Date Prepared: 07/02/2010 0930					
Ammonia	0.11		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-173280	Date Analyzed: 07/02/2010 1055					
	Prep Batch: 680-173212	Date Prepared: 07/01/2010 1522					
ortho-Phosphate-Dissolved	0.069	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70422	Date Analyzed: 06/29/2010 1732					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	30		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-173756	Date Analyzed: 07/08/2010 1654					
Alkalinity	150		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1210					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96877	Date Analyzed: 07/07/2010 1210					
Total Dissolved Solids	77000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96652	Date Analyzed: 06/30/2010 1617					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96797	Date Analyzed: 07/03/2010 1200					
Nitrogen, Total	1.5		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70607	Date Analyzed: 07/07/2010 1032					
Unionized Ammonia	0.024		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-173808	Date Analyzed: 07/12/2010 0927					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Client Sample ID: 062810-SWCCS-1B

Lab Sample ID: 660-35986-1

Date Sampled: 06/28/2010 1115

Client Matrix: Water

% Moisture:

Date Received: 06/29/2010 0845

900.0 Gross Alpha and Gross Beta Radioactivity

Method:	900.0	Analysis Batch: 660-97069	Instrument ID:	NOEQUIP
Preparation:	N/A		Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.0 mL
Date Analyzed:	07/07/2010 0800		Final Weight/Volume:	1.0 mL
Date Prepared:			Injection Volume:	

Analyte	Result (pCi/L)	Qualifier	PQL
Gross Alpha	68+-6		1.2

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Client Sample ID: 062810-SWCCS-3B

Lab Sample ID: 660-35986-2

Date Sampled: 06/28/2010 1345

Client Matrix: Water

% Moisture:

Date Received: 06/29/2010 0845

900.0 Gross Alpha and Gross Beta Radioactivity

Method:	900.0	Analysis Batch: 660-97069	Instrument ID:	NOEQUIP
Preparation:	N/A		Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.0 mL
Date Analyzed:	07/07/2010 0800		Final Weight/Volume:	1.0 mL
Date Prepared:			Injection Volume:	

Analyte	Result (pCi/L)	Qualifier	PQL
Gross Alpha	52+-5		1.2

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Client Sample ID: 062810-SWCCS-7B

Lab Sample ID: 660-35986-3

Date Sampled: 06/28/2010 1225

Client Matrix: Water

% Moisture:

Date Received: 06/29/2010 0845

900.0 Gross Alpha and Gross Beta Radioactivity

Method:	900.0	Analysis Batch: 660-97069	Instrument ID:	NOEQUIP
Preparation:	N/A		Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.0 mL
Date Analyzed:	07/07/2010 0800		Final Weight/Volume:	1.0 mL
Date Prepared:			Injection Volume:	

Analyte	Result (pCi/L)	Qualifier	PQL
Gross Alpha	55+-5		1.0

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Field Service / Mobile Lab**Client Sample ID: 062810-SWCCS-1B**

Lab Sample ID: 660-35986-1

Date Sampled: 06/28/2010 1115

Client Matrix: Water

Date Received: 06/29/2010 0845

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.22		SU	1.0	Field Sampling	660-97058	06/28/2010 1115
Field Temperature	38.84		Degrees C	1.0	Field Sampling	660-97058	06/28/2010 1115
Oxygen, Dissolved	4.63		mg/L	1.0	Field Sampling	660-97058	06/28/2010 1115
Specific Conductance	76050		umhos/cm	1.0	Field Sampling	660-97058	06/28/2010 1115
Turbidity	9.19		NTU	1.0	Field Sampling	660-97058	06/28/2010 1115

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Field Service / Mobile Lab**Client Sample ID: 062810-SWCCS-3B**

Lab Sample ID: 660-35986-2

Date Sampled: 06/28/2010 1345

Client Matrix: Water

Date Received: 06/29/2010 0845

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.19		SU	1.0	Field Sampling	660-97058	06/28/2010 1345
Field Temperature	34.88		Degrees C	1.0	Field Sampling	660-97058	06/28/2010 1345
Oxygen, Dissolved	7.61		mg/L	1.0	Field Sampling	660-97058	06/28/2010 1345
Specific Conductance	70260		umhos/cm	1.0	Field Sampling	660-97058	06/28/2010 1345
Turbidity	8.57		NTU	1.0	Field Sampling	660-97058	06/28/2010 1345

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Field Service / Mobile Lab**Client Sample ID: 062810-SWCCS-7B**

Lab Sample ID: 660-35986-3

Date Sampled: 06/28/2010 1225

Client Matrix: Water

Date Received: 06/29/2010 0845

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.24		SU	1.0	Field Sampling	660-97058	06/28/2010 1225
Field Temperature	36.89		Degrees C	1.0	Field Sampling	660-97058	06/28/2010 1225
Oxygen, Dissolved	5.62		mg/L	1.0	Field Sampling	660-97058	06/28/2010 1225
Specific Conductance	75940		umhos/cm	1.0	Field Sampling	660-97058	06/28/2010 1225
Turbidity	6.42		NTU	1.0	Field Sampling	660-97058	06/28/2010 1225

DATA REPORTING QUALIFIERS

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

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

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 680-174051

Method: 200.7 Rev 4.4

Preparation: N/A

Lab Sample ID: MB 680-173710/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1405
Date Prepared: N/A

Analysis Batch: 680-174051
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: E07132010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	PQL
SiO2, Silica	73.3	I	50	500

Lab Control Sample - Batch: 680-174051

Method: 200.7 Rev 4.4

Preparation: N/A

Lab Sample ID: LCS 680-173710/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1408
Date Prepared: N/A

Analysis Batch: 680-174051
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: E07132010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
SiO2, Silica	10000	9280	93	85 - 115	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-174051

Method: 200.7 Rev 4.4

Preparation: N/A

MS Lab Sample ID: 660-35986-1
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 07/13/2010 1458
Date Prepared: N/A

Analysis Batch: 680-174051
Prep Batch: N/A

Instrument ID: Varian ICP
Lab File ID: E07132010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

MSD Lab Sample ID: 660-35986-1
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 07/13/2010 1501
Date Prepared: N/A

Analysis Batch: 680-174051
Prep Batch: N/A

Instrument ID: Varian ICP
Lab File ID: E07132010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
SiO2, Silica	101	106	75 - 125	4	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 640-70429

Lab Sample ID: MB 640-70429/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1204
Date Prepared: 06/30/2010 1100

Analysis Batch: 640-70492
Prep Batch: 640-70429
Units: ug/L

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Instrument ID: ICP2
Lab File ID: 070110a.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Barium	0.81	U	0.81	10
Iron	2.7	U	2.7	50

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 640-70429

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

LCS Lab Sample ID: LCS 640-70429/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1207
Date Prepared: 06/30/2010 1100

Analysis Batch: 640-70492
Prep Batch: 640-70429
Units: ug/L

Instrument ID: ICP2
Lab File ID: 070110a.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-70429/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1210
Date Prepared: 06/30/2010 1100

Analysis Batch: 640-70492
Prep Batch: 640-70429
Units: ug/L

Instrument ID: ICP2
Lab File ID: 070110a.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Barium	103	104	85 - 115	1	20		
Iron	100	101	85 - 115	1	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70429

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

MS Lab Sample ID: 640-28570-D-1-B MS
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/01/2010 1221
 Date Prepared: 06/30/2010 1100

Analysis Batch: 640-70492
 Prep Batch: 640-70429

Instrument ID: ICP2
 Lab File ID: 070110a.csv
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-28570-D-1-C MSD
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/01/2010 1224
 Date Prepared: 06/30/2010 1100

Analysis Batch: 640-70492
 Prep Batch: 640-70429

Instrument ID: ICP2
 Lab File ID: 070110a.csv
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Barium	106	103	70 - 130	3	20		
Iron	103	100	70 - 130	3	20		

Duplicate - Batch: 640-70429

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Lab Sample ID: 640-28570-D-2-B DU
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/01/2010 1245
 Date Prepared: 06/30/2010 1100

Analysis Batch: 640-70492
 Prep Batch: 640-70429
 Units: ug/L

Instrument ID: ICP2
 Lab File ID: 070110a.csv
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Barium	47		46.0	2	20	
Iron	30	I	30.2	1	20	I

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 660-96850

Lab Sample ID: MB 660-96850/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 0906
Date Prepared: 07/07/2010 0900

Analysis Batch: 660-96932
Prep Batch: 660-96850
Units: mg/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 10G08A
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: 660-96850

Lab Sample ID: MB 660-96850/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 0906
Date Prepared: 07/07/2010 0900

Analysis Batch: 660-96932
Prep Batch: 660-96850
Units: ug/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 10G08A
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: 660-35986-1

Sdg Number: 35986

Lab Control Sample - Batch: 660-96850

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-96850/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 0912
Date Prepared: 07/07/2010 0900

Analysis Batch: 660-96932
Prep Batch: 660-96850
Units: mg/L

Instrument ID: ICPA
Lab File ID: 10G08A
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	9.10	91	75 - 125	
Magnesium	1.00	1.03	103	75 - 125	
Sodium	10.0	9.88	99	75 - 125	

Lab Control Sample - Batch: 660-96850

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-96850/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 0912
Date Prepared: 07/07/2010 0900

Analysis Batch: 660-96932
Prep Batch: 660-96850
Units: ug/L

Instrument ID: ICPA
Lab File ID: 10G08A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Boron	1000	1000	100	75 - 125	
Strontium	1000	1070	107	75 - 125	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96850

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-36060-E-3-B MS
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/08/2010 0930
 Date Prepared: 07/07/2010 0900

Analysis Batch: 660-96932
 Prep Batch: 660-96850

Instrument ID: ICPA
 Lab File ID: 10G08A
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36060-E-3-C MSD
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/08/2010 0936
 Date Prepared: 07/07/2010 0900

Analysis Batch: 660-96932
 Prep Batch: 660-96850

Instrument ID: ICPA
 Lab File ID: 10G08A
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Calcium	102	104	75 - 125	1	20		
Potassium	93	94	75 - 125	0	20		
Magnesium	103	103	75 - 125	0	20		
Sodium	102	104	75 - 125	1	20		

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96850

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-36060-E-3-B MS
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/08/2010 0930
 Date Prepared: 07/07/2010 0900

Analysis Batch: 660-96932
 Prep Batch: 660-96850

Instrument ID: ICPA
 Lab File ID: 10G08A
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36060-E-3-C MSD
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/08/2010 0936
 Date Prepared: 07/07/2010 0900

Analysis Batch: 660-96932
 Prep Batch: 660-96850

Instrument ID: ICPA
 Lab File ID: 10G08A
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Boron	100	100	75 - 125	0	20		
Strontium	106	106	75 - 125	0	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 660-97082

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-97082/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/10/2010 0143
Date Prepared: N/A

Analysis Batch: 660-97082
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 25.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

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

Lab Control Sample - Batch: 660-97082

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-97082/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/10/2010 0205
Date Prepared: N/A

Analysis Batch: 660-97082
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 26.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	0.992	99	90 - 110	
Fluoride	1.00	0.985	98	90 - 110	
Sulfate	10.0	9.21	92	90 - 110	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97082

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-35986-1
Client Matrix: Water
Dilution: 1000
Date Analyzed: 07/10/2010 1107
Date Prepared: N/A

Analysis Batch: 660-97082
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 51.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35986-1
Client Matrix: Water
Dilution: 1000
Date Analyzed: 07/10/2010 1128
Date Prepared: N/A

Analysis Batch: 660-97082
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 52.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	108	109	90 - 110	0	30		
Fluoride	101	106	90 - 110	5	30		
Sulfate	101	100	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 660-97133

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-97133/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0014
Date Prepared: N/A

Analysis Batch: 660-97133
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: 660-97133

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-97133/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0035
Date Prepared: N/A

Analysis Batch: 660-97133
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	1.06	106	90 - 110	
Chloride	10.0	10.9	109	90 - 110	
Sulfate	10.0	10.8	108	90 - 110	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97133

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-36004-C-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0119
Date Prepared: N/A

Analysis Batch: 660-97133
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 13.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36004-C-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0141
Date Prepared: N/A

Analysis Batch: 660-97133
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 14.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	106	100	90 - 110	5	30		
Chloride	110	99	90 - 110	6	30		
Sulfate	105	91	90 - 110	6	30		

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97133

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-35986-3
Client Matrix: Water
Dilution: 1000
Date Analyzed: 07/13/2010 0832
Date Prepared: N/A

Analysis Batch: 660-97133
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 33.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35986-3
Client Matrix: Water
Dilution: 1000
Date Analyzed: 07/13/2010 0854
Date Prepared: N/A

Analysis Batch: 660-97133
Prep Batch: N/A

Instrument ID: DIONEX2
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					
Bromide	99	103	90 - 110	4	30		
Chloride	77	95	90 - 110	4	30	J3	
Sulfate	100	106	90 - 110	4	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 660-97196

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-97196/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1126
Date Prepared: N/A

Analysis Batch: 660-97196
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 41.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

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

Lab Control Sample - Batch: 660-97196

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-97196/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1148
Date Prepared: N/A

Analysis Batch: 660-97196
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 42.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	1.04	104	90 - 110	
Chloride	10.0	10.7	107	90 - 110	
Fluoride	1.00	1.04	104	90 - 110	
Sulfate	10.0	10.7	107	90 - 110	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97196

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-36007-E-1 MS
Client Matrix: Water
Dilution: 1000
Date Analyzed: 07/13/2010 1701
Date Prepared: N/A

Analysis Batch: 660-97196
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 53.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36007-E-1 MSD
Client Matrix: Water
Dilution: 1000
Date Analyzed: 07/13/2010 1722
Date Prepared: N/A

Analysis Batch: 660-97196
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 54.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	105	108	90 - 110	3	30		
Chloride	104	110	90 - 110	5	30		
Fluoride	94	102	90 - 110	9	30		
Sulfate	102	107	90 - 110	4	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 660-96654

Method: 351.2

Preparation: 351.2

Lab Sample ID: MB 660-96654/10-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1045
Date Prepared: 06/30/2010 1700

Analysis Batch: 660-96687
Prep Batch: 660-96654
Units: mg/L

Instrument ID: LACHAT
Lab File ID: 07.01.10.TKN.A.txt
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

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

Lab Control Sample - Batch: 660-96654

Method: 351.2

Preparation: 351.2

Lab Sample ID: LCS 660-96654/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1046
Date Prepared: 06/30/2010 1700

Analysis Batch: 660-96687
Prep Batch: 660-96654
Units: mg/L

Instrument ID: LACHAT
Lab File ID: 07.01.10.TKN.A.txt
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrogen, Kjeldahl	3.00	3.18	106	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96654

Method: 351.2

Preparation: 351.2

MS Lab Sample ID: 660-35995-A-3-E MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1049
Date Prepared: 06/30/2010 1700

Analysis Batch: 660-96687
Prep Batch: 660-96654

Instrument ID: LACHAT
Lab File ID: 07.01.10.TKN.A.txt
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

MSD Lab Sample ID: 660-35995-A-3-F MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1050
Date Prepared: 06/30/2010 1700

Analysis Batch: 660-96687
Prep Batch: 660-96654

Instrument ID: LACHAT
Lab File ID: 07.01.10.TKN.A.txt
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitrogen, Kjeldahl	102	103	90 - 110	1	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 640-70459

Method: 353.2

Preparation: N/A

Lab Sample ID: MB 640-70459/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2010 1502
Date Prepared: N/A

Analysis Batch: 640-70459
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO30603010A1.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: 640-70459

Method: 353.2

Preparation: N/A

LCS Lab Sample ID: LCS 640-70459/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2010 1505
Date Prepared: N/A

Analysis Batch: 640-70459
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO30603010A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70459/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2010 1506
Date Prepared: N/A

Analysis Batch: 640-70459
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO30603010A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Nitrate Nitrite as N	102	103	90 - 110	1	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70459

Method: 353.2

Preparation: N/A

MS Lab Sample ID: 660-35986-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2010 1538
Date Prepared: N/A

Analysis Batch: 640-70459
Prep Batch: N/A

Instrument ID: ASTORIA
Lab File ID: NO2+NO30603010A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 660-35986-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2010 1540
Date Prepared: N/A

Analysis Batch: 640-70459
Prep Batch: N/A

Instrument ID: ASTORIA
Lab File ID: NO2+NO30603010A1.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	123	114	90 - 110	7	30	J3	J3

Duplicate - Batch: 640-70459

Method: 353.2

Preparation: N/A

Lab Sample ID: 640-28492-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2010 1512
Date Prepared: N/A

Analysis Batch: 640-70459
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO30603010A1.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	0.20	0.188	5	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 640-70509

Lab Sample ID: MB 640-70509/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1359
Date Prepared: 07/02/2010 0930

Analysis Batch: 640-70589
Prep Batch: 640-70509
Units: mg/L

Method: 365.1

Preparation: 365.2/365.3/365

Instrument ID: ASTORIA2
Lab File ID: TP070610A.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: 640-70509

Method: 365.1

Preparation: 365.2/365.3/365

LCS Lab Sample ID: LCS 640-70509/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1402
Date Prepared: 07/02/2010 0930

Analysis Batch: 640-70589
Prep Batch: 640-70509
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070610A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70509/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1403
Date Prepared: 07/02/2010 0930

Analysis Batch: 640-70589
Prep Batch: 640-70509
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070610A.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	104	103	90 - 110	1	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70509

Method: 365.1

Preparation: 365.2/365.3/365

MS Lab Sample ID: 640-28615-A-3-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1450
Date Prepared: 07/02/2010 0930

Analysis Batch: 640-70589
Prep Batch: 640-70509

Instrument ID: ASTORIA2
Lab File ID: TP070610A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28615-A-3-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1451
Date Prepared: 07/02/2010 0930

Analysis Batch: 640-70589
Prep Batch: 640-70509

Instrument ID: ASTORIA2
Lab File ID: TP070610A.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	99	105	90 - 110	5	30		

Duplicate - Batch: 640-70509

Method: 365.1

Preparation: 365.2/365.3/365

Lab Sample ID: 640-28588-A-1-B DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1409
Date Prepared: 07/02/2010 0930

Analysis Batch: 640-70589
Prep Batch: 640-70509
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070610A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Phosphorus	0.14	0.142	0	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 680-173756

Method: 9060

Preparation: N/A

Lab Sample ID: MB 680-173756/1

Analysis Batch: 680-173756

Instrument ID: TOC3

Client Matrix: Water

Prep Batch: N/A

Lab File ID: N/A

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 25 mL

Date Analyzed: 07/08/2010 1654

Final Weight/Volume: 25 mL

Date Prepared: N/A

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: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 660-96877

Method: SM 2320B

Preparation: N/A

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

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

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

Analyte	Result	Qual	PQL	PQL
Alkalinity	1.0	U	1.0	1.0

Lab Control Sample - Batch: 660-96877

Method: SM 2320B

Preparation: N/A

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

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

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

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

Duplicate - Batch: 660-96877

Method: SM 2320B

Preparation: N/A

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

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

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

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	250	262	4	30	
Carbonate Alkalinity as CaCO ₃	1.0 U	1.0	NC	30	U

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 660-96652

Method: SM 2540C

Preparation: N/A

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

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

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

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

Lab Control Sample - Batch: 660-96652

Method: SM 2540C

Preparation: N/A

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

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

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

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

Duplicate - Batch: 660-96652

Method: SM 2540C

Preparation: N/A

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

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

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

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

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 680-173212

Lab Sample ID: MB 680-173212/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 1047
Date Prepared: 07/01/2010 1522

Analysis Batch: 680-173280
Prep Batch: 680-173212
Units: mg/L

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

Instrument ID: KONELAB1
Lab File ID: KONE10702101NH3DIST.xls
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/

Lab Control Sample Duplicate Recovery Report - Batch: 680-173212

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

LCS Lab Sample ID: LCS 680-173212/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 1047
Date Prepared: 07/01/2010 1522

Analysis Batch: 680-173280
Prep Batch: 680-173212
Units: mg/L

Instrument ID: KONELAB1
Lab File ID: KONE10702101NH3DIST.xls
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

LCSD Lab Sample ID: LCSD 680-173212/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 1047
Date Prepared: 07/01/2010 1522

Analysis Batch: 680-173280
Prep Batch: 680-173212
Units: mg/L

Instrument ID: KONELAB1
Lab File ID: KONE10702101NH3DIST.xls
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ammonia	97	98	90 - 110	1	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-173212

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

MS Lab Sample ID: 660-35826-B-1-B MS
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 07/02/2010 1114
Date Prepared: 07/01/2010 1522

Analysis Batch: 680-173280
Prep Batch: 680-173212

Instrument ID: KONELAB1
Lab File ID: KONE10702101NH3DIST.xl
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

MSD Lab Sample ID: 660-35826-B-1-C MSD
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 07/02/2010 1114
Date Prepared: 07/01/2010 1522

Analysis Batch: 680-173280
Prep Batch: 680-173212

Instrument ID: KONELAB1
Lab File ID: KONE10702101NH3DIST.xls
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ammonia	96	97	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 640-70422

Method: SM 4500 P E

Preparation: N/A

Lab Sample ID: MB 640-70422/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1717
Date Prepared: N/A

Analysis Batch: 640-70422
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP062910C.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: 640-70422

Method: SM 4500 P E

Preparation: N/A

LCS Lab Sample ID: LCS 640-70422/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1719
Date Prepared: N/A

Analysis Batch: 640-70422
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP062910C.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 640-70422/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1721
Date Prepared: N/A

Analysis Batch: 640-70422
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP062910C.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	100	106	90 - 110	6	30	I	I

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70422

Method: SM 4500 P E

Preparation: N/A

MS Lab Sample ID: 660-35986-1
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/29/2010 1727
Date Prepared: N/A

Analysis Batch: 640-70422
Prep Batch: N/A

Instrument ID: ASTORIA2
Lab File ID: OP062910C.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 660-35986-1
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/29/2010 1729
Date Prepared: N/A

Analysis Batch: 640-70422
Prep Batch: N/A

Instrument ID: ASTORIA2
Lab File ID: OP062910C.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	3	3	90 - 110	0	30	I J3	I J3

Duplicate - Batch: 640-70422

Method: SM 4500 P E

Preparation: N/A

Lab Sample ID: 660-35986-1
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/29/2010 1726
Date Prepared: N/A

Analysis Batch: 640-70422
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP062910C.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
ortho-Phosphate-Dissolved	0.069	I	0.0648	6.31	30	I

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35986-1

Sdg Number: 35986

Method Blank - Batch: 660-96797

Method: SM 4500 S2 F

Preparation: N/A

Lab Sample ID: MB 660-96797/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/03/2010 1200
Date Prepared: N/A

Analysis Batch: 660-96797
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: 660-96797

Method: SM 4500 S2 F

Preparation: N/A

LCS Lab Sample ID: LCS 660-96797/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/03/2010 1200
Date Prepared: N/A

Analysis Batch: 660-96797
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 660-96797/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/03/2010 1200
Date Prepared: N/A

Analysis Batch: 660-96797
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	93	91	75 - 125	2	25		

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

160-35986

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sample #	Lab Ref:	Carrier Tracking No(s)	COC No:
Client Contact: Ms. Stacy Foster		8-346051/5-142888	Atkins, Amy		660-29843.1
Company: Florida Power & Light Company		Phone: 813-440-0552	E-Mail: amy.atkins@testamericainc.com		Page 1 of 1
Address: 700 Universe Blvd (GPAJB)		Due Date Requested:	Analysis Requested		
City: Juno Beach		TAT Requested (days):			
State Zip: FL, 33408		PO #:			
Phone: 772-285-5653(Tel)		Purchase Order Requested			
Email: stacy.foster@fpl.com		WO #:			
Project Name: FPL Turkey Point (SA GW w/nutrients)		Project #: 66003641			
Site: SSOW#:					
Sample Identification				Field Filtered Sample (Yes or No)	
Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=other, BT=issue, A=air)	Perform MS/MSD (Yes or No)
062810	TPGW-SWCS-13	06-28-10 11:15	G	Water	X
	TPGW-SWCS-33	13:45		Water	X
	TPGW-SWCS-73	12:25		Water	X
	TPGW-			Water	
	TPGW-			Water	
	TPGW-			Water	
Possible Hazard Identification					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:					
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Custody Seals Intact: Custody Seal No.: 4.20C Cu07					

DEP-SOP-003/01

Form FD-9000-7: Field Parameter Data Sheet for Surface Water

SURVEY/PROJECT: FPL - Turkey Point

SAMPLERS/ORGANIZATION: Jessica de la Cruz
Stephen Hodges
Steven Ell: 844

METER MODEL# YSI 5566-ES

METER SERIAL# 100101277

Pump # 1322

Station#	Date	Time	Total Depth	Sample Depth	Water Temp	DO	DO	Cond	Salinity	pH	Turbidity	Comments
	Yr/mo/dd	Hr:min	ft	ft	Deg C	Mg/L	% Sat	µm/cm	ppt	S.U.	NTU	
062110-TPS2C-65	10/06/21	1451	8	1	28.18	1.95	25%	0.839	8	7.32	0.55	
062110-TPS2C-65	10/06/21	1520	8	7	27.71	2.02	25.8	0.892		7.27	1.25	
062810-TPS2C-15	10/06/28	1108	6	5	38.84	4.63	92.6	7.05		8.22	9.19	0.28-24.1.6
062810-TPS2C-15	10/06/28	1204	3	2	36.89	5.62	104.9	7.544		8.24	6.42	0.28-23.9.1
062810-TPS2C-38	10/06/28	1340	2.5	1.5	34.82	7.01	140.8	7.020		8.19	8.57	0.28-17.9.5
062910-TPS2C-15	10/06/29	1151	10	9	31.65	6.46	89.1	6.34		8.09	1.08	0.28-20.5.6
062910-TPS2C-15	10/06/29	1235	10	1	31.97	7.10	98.2	5.281		8.14	1.15	0.28-24.1.7
062910-TPS2C-15	10/06/29	1328	13	12	29.00	6.86	11.5	7.524		6.86	5.06	0.28-22.2.9
062910-TPS2C-15	10/06/29	1406	13	1	31.60	7.91	108.6	2.994		7.88	2.03	0.28-18.4.8
063010-TPS2C-15	10/06/30	1420	3	2	36.68	6.31	123.4	7.6.91		8.25	8.46	0.28-76.4
063010-TPS2C-15	10/06/30	1514	2.5	1.5	37.87	7.14	142.7	7.8.06		8.24	14.14	0.28-40.2

NOTES:

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Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35986-1

SDG Number: 35986

Login Number: 35986

List Source: TestAmerica Tampa

Creator: McNulty, Carol

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.2 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35986-1

SDG Number: 35986

Login Number: 35986

List Source: TestAmerica Savannah

Creator: Swafford, Frances

List Creation: 06/30/10 04:00 PM

List Number: 1

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

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35986-1

SDG Number: 35986

Login Number: 35986

List Source: TestAmerica Tallahassee

Creator: McGann, Timothy

List Creation: 06/29/10 02:15 PM

List Number: 1

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

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35986-1

SDG Number: 35986

Login Number: 35986

List Source: TestAmerica Tallahassee

Creator: Archie, Datiska

List Creation: 06/30/10 09:30 AM

List Number: 2

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