

ANALYTICAL REPORT

Job Number: 660-36007-1

SDG Number: 36007

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
8/31/2010 2:53 PM

Amy Atkins
Project Manager I
amy.atkins@testamericainc.com
08/31/2010

cc: Ms. Sharon Ewe

Methods: FDEP, DOH Certification #: E84282, E81005 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
660-36007-1

Receipt

All samples were received in good condition within temperature requirements.

General Chemistry

Method 300.0: Due to Matrix, sample 062910-TPSWID-1B (660-36007-1), 062910-TPSWID-1T (660-36007-2), 062910-TPSWID-2B (660-36007-3), 062910-TPSWID-2T (660-36007-4) was pre-diluted for Fluoride.

Method 300.0: MS/MSD not reported for batch 97196 due to analyst error.

Method 351.2: The matrix spike duplicate (MSD) recovery for batch 96908 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 353.2: The matrix spike (MS) recovery for batch 70700 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 70638 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method SM4500PE: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 70471 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method SM 4500 S2 F: Insufficient sample volume was provided to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 96797.

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36007-1	062910-TPSWID-1B				
Field pH		8.09		SU	Field Sampling
Field Temperature		31.65		Degrees C	Field Sampling
Oxygen, Dissolved		6.46		mg/L	Field Sampling
Specific Conductance		5317		umhos/cm	Field Sampling
Turbidity		1.08		NTU	Field Sampling
Bromide		5.8	0.25	mg/L	300.0
Chloride		1800	50	mg/L	300.0
Fluoride		3.2	0.25	mg/L	300.0
Sulfate		210	2.5	mg/L	300.0
Nitrogen, Kjeldahl		0.89	0.20	mg/L	351.2
Nitrate Nitrite as N		0.11	0.010	mg/L	353.2
Phosphorus		0.0054 I	0.010	mg/L	365.1
Alkalinity		230	1.0	mg/L	SM 2320B
Ammonia		0.15	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.0	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.018	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		3500	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		52	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.0036 I	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Iron		71 I	500	ug/L	200.7 Rev 4.4
Boron		360 I	500	ug/L	6010B
Calcium		150	5.0	mg/L	6010B
Potassium		38	10	mg/L	6010B
Strontium		1800	50	ug/L	6010B
Magnesium		110	0.80	mg/L	6010B
Sodium		920	25	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36007-2	062910-TPSWID-1T				
Field pH		8.14		SU	Field Sampling
Field Temperature		31.97		Degrees C	Field Sampling
Oxygen, Dissolved		7.10		mg/L	Field Sampling
Specific Conductance		5287		umhos/cm	Field Sampling
Turbidity		1.15		NTU	Field Sampling
Bromide		6.1	0.25	mg/L	300.0
Chloride		1900	50	mg/L	300.0
Fluoride		0.13 I	0.25	mg/L	300.0
Sulfate		220	2.5	mg/L	300.0
Nitrogen, Kjeldahl		0.78	0.20	mg/L	351.2
Nitrate Nitrite as N		0.12	0.010	mg/L	353.2
Phosphorus		0.0060 I	0.010	mg/L	365.1
Alkalinity		230	1.0	mg/L	SM 2320B
Ammonia		0.16	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		0.90	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.022	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		3600	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		52	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.0034 I	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Iron		70 I	500	ug/L	200.7 Rev 4.4
Boron		360 I	500	ug/L	6010B
Calcium		150	5.0	mg/L	6010B
Potassium		37	10	mg/L	6010B
Strontium		1800	50	ug/L	6010B
Magnesium		100	0.80	mg/L	6010B
Sodium		980	5.0	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36007-3	062910-TPSWID-2B				
Field pH		6.86		SU	Field Sampling
Field Temperature		29.00		Degrees C	Field Sampling
Oxygen, Dissolved		0.86		mg/L	Field Sampling
Specific Conductance		7524		umhos/cm	Field Sampling
Turbidity		5.06		NTU	Field Sampling
Bromide		9.4	0.25	mg/L	300.0
Chloride		2800	50	mg/L	300.0
Sulfate		300	25	mg/L	300.0
Nitrogen, Kjeldahl		1.1	0.20	mg/L	351.2
Phosphorus		0.011	0.010	mg/L	365.1
Alkalinity		310	1.0	mg/L	SM 2320B
Ammonia		0.20	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.1	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.0025	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		3400	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		72	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.0050 I	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		13 I	100	ug/L	200.7 Rev 4.4
Iron		77 I	500	ug/L	200.7 Rev 4.4
Boron		470 I	500	ug/L	6010B
Calcium		210	5.0	mg/L	6010B
Potassium		54	10	mg/L	6010B
Strontium		2600	50	ug/L	6010B
Magnesium		150	0.80	mg/L	6010B
Sodium		1300	25	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36007-4	062910-TPSWID-2T				
Field pH		7.88		SU	Field Sampling
Field Temperature		31.60		Degrees C	Field Sampling
Oxygen, Dissolved		7.91		mg/L	Field Sampling
Specific Conductance		2994		umhos/cm	Field Sampling
Turbidity		2.03		NTU	Field Sampling
Bromide		3.1	0.25	mg/L	300.0
Chloride		940	50	mg/L	300.0
Sulfate		93	2.5	mg/L	300.0
Nitrogen, Kjeldahl		0.80	0.20	mg/L	351.2
Nitrate Nitrite as N		0.011	0.010	mg/L	353.2
Phosphorus		0.0057 I	0.010	mg/L	365.1
Alkalinity		220	1.0	mg/L	SM 2320B
Ammonia		0.19	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		0.81	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.015	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		3200	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		51	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.0025 I	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Iron		39 I	500	ug/L	200.7 Rev 4.4
Boron		170 I	500	ug/L	6010B
Calcium		140	5.0	mg/L	6010B
Potassium		17	10	mg/L	6010B
Strontium		1500	50	ug/L	6010B
Magnesium		50	0.80	mg/L	6010B
Sodium		490	5.0	mg/L	6010B

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

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	
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 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.

TestAmerica Tampa

METHOD / ANALYST SUMMARY

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Method	Analyst	Analyst ID
40CFR136A 200.7 Rev 4.4	Bland, Brian	BCB
EPA 200.7 Rev 4.4	Wallace, Tiffany B	TBW
SW846 6010B	Fox, Greg	GF
EPA Field Sampling	Sampler, Field	FS
MCAWW 300.0	Sengsouvana, Dom	DS
MCAWW 351.2	Subar, Neal	NS
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 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: 660-36007-1

Sdg Number: 36007

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-36007-1	062910-TPSWID-1B	Water	06/29/2010 1155	06/30/2010 0830
660-36007-2	062910-TPSWID-1T	Water	06/29/2010 1240	06/30/2010 0830
660-36007-3	062910-TPSWID-2B	Water	06/29/2010 1330	06/30/2010 0830
660-36007-4	062910-TPSWID-2T	Water	06/29/2010 1405	06/30/2010 0830

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Client Sample ID: 062910-TPSWID-1B

Lab Sample ID: 660-36007-1

Date Sampled: 06/29/2010 1155

Client Matrix: Water

Date Received: 06/30/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571	Lab File ID:	071310.csv
Dilution:	1.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 0958		Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	8.1	U	8.1	100
Iron	71	I	27	500

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-173731	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E07092010_SI.csv
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	07/09/2010 1212		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	3500		50	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96855	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96737	Lab File ID:	10G07A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/07/2010 1123		Final Weight/Volume:	50 mL
Date Prepared:	07/02/2010 1017			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	150		1.0	5.0
Potassium	38		1.9	10
Magnesium	110		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	360	I	100	500
Strontium	1800		10	50

Method:	6010B	Analysis Batch: 660-96855	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96737	Lab File ID:	10G07A
Dilution:	50		Initial Weight/Volume:	50 mL
Date Analyzed:	07/07/2010 1243		Final Weight/Volume:	50 mL
Date Prepared:	07/02/2010 1017			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	920		16	25

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Client Sample ID: 062910-TPSWID-1T

Lab Sample ID: 660-36007-2

Date Sampled: 06/29/2010 1240

Client Matrix: Water

Date Received: 06/30/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571	Lab File ID:	071310.csv
Dilution:	1.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 1002		Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	8.1	U	8.1	100
Iron	70	I	27	500

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-173731	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E07092010_SI.csv
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	07/09/2010 1215		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	3600		50	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96855	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96737	Lab File ID:	10G07A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/07/2010 1131		Final Weight/Volume:	50 mL
Date Prepared:	07/02/2010 1017			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	150		1.0	5.0
Potassium	37		1.9	10
Magnesium	100		0.20	0.80
Sodium	980		3.1	5.0

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	360	I	100	500
Strontium	1800		10	50

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Client Sample ID: 062910-TPSWID-2B

Lab Sample ID: 660-36007-3

Date Sampled: 06/29/2010 1330

Client Matrix: Water

Date Received: 06/30/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571	Lab File ID:	071310.csv
Dilution:	1.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 1005		Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	13	I	8.1	100
Iron	77	I	27	500

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-173731	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E07092010_SI.csv
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	07/09/2010 1219		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	3400		50	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96855	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96737	Lab File ID:	10G07A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/07/2010 1149		Final Weight/Volume:	50 mL
Date Prepared:	07/02/2010 1017			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	210		1.0	5.0
Potassium	54		1.9	10
Magnesium	150		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	470	I	100	500
Strontium	2600		10	50

Method:	6010B	Analysis Batch: 660-96855	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96737	Lab File ID:	10G07A
Dilution:	50		Initial Weight/Volume:	50 mL
Date Analyzed:	07/07/2010 1302	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	07/02/2010 1017			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	1300		16	25

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Client Sample ID: 062910-TPSWID-2T

Lab Sample ID: 660-36007-4

Date Sampled: 06/29/2010 1405

Client Matrix: Water

Date Received: 06/30/2010 0830

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70850	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70571	Lab File ID:	071310.csv
Dilution:	1.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/13/2010 1015		Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	8.1	U	8.1	100
Iron	39	I	27	500

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-173731	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E07092010_SI.csv
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	07/09/2010 1222		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	3200		50	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96855	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96737	Lab File ID:	10G07A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/07/2010 1155		Final Weight/Volume:	50 mL
Date Prepared:	07/02/2010 1017			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	140		1.0	5.0
Potassium	17		1.9	10
Magnesium	50		0.20	0.80
Sodium	490		3.1	5.0

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	170	I	100	500
Strontium	1500		10	50

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

General Chemistry

Client Sample ID: 062910-TPSWID-1B

Lab Sample ID: 660-36007-1

Date Sampled: 06/29/2010 1155

Client Matrix: Water

Date Received: 06/30/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	5.8		mg/L	0.14	0.25	5.0	300.0
	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1429					
Chloride	1800		mg/L	20	50	100	300.0
Run Type: DL	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1617					
Fluoride	3.2		mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1429					
Sulfate	210		mg/L	1.0	2.5	5.0	300.0
	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1429					
Nitrogen, Kjeldahl	0.89		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96908	Date Analyzed: 07/06/2010 0427					
	Prep Batch: 660-96711	Date Prepared: 07/01/2010 1500					
Nitrate Nitrite as N	0.11		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70700	Date Analyzed: 07/08/2010 1249					
Phosphorus	0.0054	I	mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70638	Date Analyzed: 07/06/2010 1609					
	Prep Batch: 640-70562	Date Prepared: 07/06/2010 0925					
Ammonia	0.15		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-174036	Date Analyzed: 07/13/2010 1343					
	Prep Batch: 680-173958	Date Prepared: 07/13/2010 1113					
ortho-Phosphate-Dissolved	0.0036	I	mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-70473	Date Analyzed: 06/30/2010 1652					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	52		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959					
Alkalinity	230		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96949	Date Analyzed: 07/08/2010 1030					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96949	Date Analyzed: 07/08/2010 1030					
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	1.0		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70692	Date Analyzed: 07/12/2010 0440					
Unionized Ammonia	0.018		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-175364	Date Analyzed: 07/27/2010 0955					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

General Chemistry**Client Sample ID: 062910-TPSWID-1T**

Lab Sample ID: 660-36007-2

Date Sampled: 06/29/2010 1240

Client Matrix: Water

Date Received: 06/30/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	6.1		mg/L	0.14	0.25	5.0	300.0
	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1451					
Chloride	1900		mg/L	20	50	100	300.0
Run Type: DL	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1911					
Fluoride	0.13	I	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1451					
Sulfate	220		mg/L	1.0	2.5	5.0	300.0
	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1451					
Nitrogen, Kjeldahl	0.78		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96908	Date Analyzed: 07/06/2010 0427					
	Prep Batch: 660-96711	Date Prepared: 07/01/2010 1500					
Nitrate Nitrite as N	0.12		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70700	Date Analyzed: 07/08/2010 1251					
Phosphorus	0.0060	I	mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70638	Date Analyzed: 07/06/2010 1611					
	Prep Batch: 640-70562	Date Prepared: 07/06/2010 0925					
Ammonia	0.16		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-174036	Date Analyzed: 07/13/2010 1343					
	Prep Batch: 680-173958	Date Prepared: 07/13/2010 1113					
ortho-Phosphate-Dissolved	0.0034	I	mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-70473	Date Analyzed: 06/30/2010 1656					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	52		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959					
Alkalinity	230		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96949	Date Analyzed: 07/08/2010 1043					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96949	Date Analyzed: 07/08/2010 1043					
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	0.90		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70692	Date Analyzed: 07/12/2010 0440					
Unionized Ammonia	0.022		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-175364	Date Analyzed: 07/27/2010 0955					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

General Chemistry**Client Sample ID: 062910-TPSWID-2B**

Lab Sample ID: 660-36007-3

Date Sampled: 06/29/2010 1330

Client Matrix: Water

Date Received: 06/30/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	9.4		mg/L	0.14	0.25	5.0	300.0
	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1512					
Chloride	2800		mg/L	20	50	100	300.0
Run Type: DL2	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 2107					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1512					
Sulfate	300		mg/L	10	25	50	300.0
Run Type: DL	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1952					
Nitrogen, Kjeldahl	1.1		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96908	Date Analyzed: 07/06/2010 0427					
	Prep Batch: 660-96711	Date Prepared: 07/01/2010 1500					
Nitrate Nitrite as N	0.0047	U	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70700	Date Analyzed: 07/08/2010 1252					
Phosphorus	0.011		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70638	Date Analyzed: 07/06/2010 1612					
	Prep Batch: 640-70562	Date Prepared: 07/06/2010 0925					
Ammonia	0.20		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-174036	Date Analyzed: 07/13/2010 1343					
	Prep Batch: 680-173958	Date Prepared: 07/13/2010 1113					
ortho-Phosphate-Dissolved	0.0050	I	mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-70473	Date Analyzed: 06/30/2010 1657					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	72		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959					
Alkalinity	310		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96949	Date Analyzed: 07/08/2010 1050					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96949	Date Analyzed: 07/08/2010 1050					
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	1.1		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70692	Date Analyzed: 07/12/2010 0440					
Unionized Ammonia	0.0025		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-175364	Date Analyzed: 07/27/2010 0955					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

General Chemistry

Client Sample ID: 062910-TPSWID-2T

Lab Sample ID: 660-36007-4

Date Sampled: 06/29/2010 1405

Client Matrix: Water

Date Received: 06/30/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	3.1		mg/L	0.14	0.25	5.0	300.0
	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1534					
Chloride	940		mg/L	20	50	100	300.0
Run Type: DL	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 2129					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1534					
Sulfate	93		mg/L	1.0	2.5	5.0	300.0
	Analysis Batch: 660-97196	Date Analyzed: 07/13/2010 1534					
Nitrogen, Kjeldahl	0.80		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96908	Date Analyzed: 07/06/2010 0427					
	Prep Batch: 660-96711	Date Prepared: 07/01/2010 1500					
Nitrate Nitrite as N	0.011		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70700	Date Analyzed: 07/08/2010 1253					
Phosphorus	0.0057	I	mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70638	Date Analyzed: 07/06/2010 1617					
	Prep Batch: 640-70562	Date Prepared: 07/06/2010 0925					
Ammonia	0.19		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-174036	Date Analyzed: 07/13/2010 1343					
	Prep Batch: 680-173958	Date Prepared: 07/13/2010 1113					
ortho-Phosphate-Dissolved	0.0025	I	mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-70473	Date Analyzed: 06/30/2010 1658					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	51		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-173757	Date Analyzed: 07/09/2010 0959					
Alkalinity	220		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96949	Date Analyzed: 07/08/2010 1056					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96949	Date Analyzed: 07/08/2010 1056					
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	0.81		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70692	Date Analyzed: 07/12/2010 0440					
Unionized Ammonia	0.015		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-175364	Date Analyzed: 07/27/2010 0955					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Field Service / Mobile Lab**Client Sample ID: 062910-TPSWID-1B**

Lab Sample ID: 660-36007-1

Date Sampled: 06/29/2010 1155

Client Matrix: Water

Date Received: 06/30/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.09		SU	1.0	Field Sampling	660-97116	06/29/2010 1155
Field Temperature	31.65		Degrees C	1.0	Field Sampling	660-97116	06/29/2010 1155
Oxygen, Dissolved	6.46		mg/L	1.0	Field Sampling	660-97116	06/29/2010 1155
Specific Conductance	5317		umhos/cm	1.0	Field Sampling	660-97116	06/29/2010 1155
Turbidity	1.08		NTU	1.0	Field Sampling	660-97116	06/29/2010 1155

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Field Service / Mobile Lab**Client Sample ID:** 062910-TPSWID-1T

Lab Sample ID: 660-36007-2

Date Sampled: 06/29/2010 1240

Client Matrix: Water

Date Received: 06/30/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.14		SU	1.0	Field Sampling	660-97116	06/29/2010 1240
Field Temperature	31.97		Degrees C	1.0	Field Sampling	660-97116	06/29/2010 1240
Oxygen, Dissolved	7.10		mg/L	1.0	Field Sampling	660-97116	06/29/2010 1240
Specific Conductance	5287		umhos/cm	1.0	Field Sampling	660-97116	06/29/2010 1240
Turbidity	1.15		NTU	1.0	Field Sampling	660-97116	06/29/2010 1240

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Field Service / Mobile Lab**Client Sample ID: 062910-TPSWID-2B**

Lab Sample ID: 660-36007-3

Date Sampled: 06/29/2010 1330

Client Matrix: Water

Date Received: 06/30/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.86		SU	1.0	Field Sampling	660-97116	06/29/2010 1330
Field Temperature	29.00		Degrees C	1.0	Field Sampling	660-97116	06/29/2010 1330
Oxygen, Dissolved	0.86		mg/L	1.0	Field Sampling	660-97116	06/29/2010 1330
Specific Conductance	7524		umhos/cm	1.0	Field Sampling	660-97116	06/29/2010 1330
Turbidity	5.06		NTU	1.0	Field Sampling	660-97116	06/29/2010 1330

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Field Service / Mobile Lab**Client Sample ID:** 062910-TPSWID-2T

Lab Sample ID: 660-36007-4

Date Sampled: 06/29/2010 1405

Client Matrix: Water

Date Received: 06/30/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.88		SU	1.0	Field Sampling	660-97116	06/29/2010 1405
Field Temperature	31.60		Degrees C	1.0	Field Sampling	660-97116	06/29/2010 1405
Oxygen, Dissolved	7.91		mg/L	1.0	Field Sampling	660-97116	06/29/2010 1405
Specific Conductance	2994		umhos/cm	1.0	Field Sampling	660-97116	06/29/2010 1405
Turbidity	2.03		NTU	1.0	Field Sampling	660-97116	06/29/2010 1405

DATA REPORTING QUALIFIERS

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Lab Section	Qualifier	Description
Metals		
	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: 660-36007-1

Sdg Number: 36007

Method Blank - Batch: 680-173731

Method: 200.7 Rev 4.4

Preparation: N/A

Lab Sample ID: MB 680-173658/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 1111
Date Prepared: N/A

Analysis Batch: 680-173731
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: E07092010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

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

Lab Control Sample - Batch: 680-173731

Method: 200.7 Rev 4.4

Preparation: N/A

Lab Sample ID: LCS 680-173658/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 1114
Date Prepared: N/A

Analysis Batch: 680-173731
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: E07092010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
SiO2, Silica	10000	9710	97	85 - 115	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-173731

Method: 200.7 Rev 4.4

Preparation: N/A

MS Lab Sample ID: 220-12618-D-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 1243
Date Prepared: N/A

Analysis Batch: 680-173731
Prep Batch: N/A

Instrument ID: Varian ICP
Lab File ID: E07092010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

MSD Lab Sample ID: 220-12618-D-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 1246
Date Prepared: N/A

Analysis Batch: 680-173731
Prep Batch: N/A

Instrument ID: Varian ICP
Lab File ID: E07092010_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	89	94	75 - 125	1	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Method Blank - Batch: 640-70571

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

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

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

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

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

Lab Control Sample/

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

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

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

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

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

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

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

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

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

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70571

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

MS Lab Sample ID: 660-36031-B-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0910
Date Prepared: 07/06/2010 1100

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

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

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

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

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

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

Duplicate - Batch: 640-70571

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Lab Sample ID: 660-36031-B-2-B DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 0934
Date Prepared: 07/06/2010 1100

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

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

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

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Method Blank - Batch: 660-96737

Lab Sample ID: MB 660-96737/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 0940
Date Prepared: 07/02/2010 1017

Analysis Batch: 660-96855
Prep Batch: 660-96737
Units: mg/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 10G07A
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: 660-96737

Lab Sample ID: MB 660-96737/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 0940
Date Prepared: 07/02/2010 1017

Analysis Batch: 660-96855
Prep Batch: 660-96737
Units: ug/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 10G07A
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: 660-36007-1

Sdg Number: 36007

Lab Control Sample - Batch: 660-96737

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-96737/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 0946
Date Prepared: 07/02/2010 1017

Analysis Batch: 660-96855
Prep Batch: 660-96737
Units: mg/L

Instrument ID: ICPA
Lab File ID: 10G07A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	1.00	1.03	103	75 - 125	
Potassium	10.0	9.84	98	75 - 125	
Magnesium	1.00	1.01	101	75 - 125	
Sodium	10.0	9.57	96	75 - 125	

Lab Control Sample - Batch: 660-96737

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-96737/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 0946
Date Prepared: 07/02/2010 1017

Analysis Batch: 660-96855
Prep Batch: 660-96737
Units: ug/L

Instrument ID: ICPA
Lab File ID: 10G07A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Boron	1000	991	99	75 - 125	
Strontium	1000	1040	104	75 - 125	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96737

Method: 6010B

Preparation: 3005A

MS Lab Sample ID: 660-36005-E-5-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1003
Date Prepared: 07/02/2010 1017

Analysis Batch: 660-96855
Prep Batch: 660-96737

Instrument ID: ICPA
Lab File ID: 10G07A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36005-E-5-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1009
Date Prepared: 07/02/2010 1017

Analysis Batch: 660-96855
Prep Batch: 660-96737

Instrument ID: ICPA
Lab File ID: 10G07A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Calcium	105	101	75 - 125	1	20		
Potassium	98	98	75 - 125	0	20		
Magnesium	100	100	75 - 125	0	20		
Sodium	91	92	75 - 125	1	20		

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96737

Method: 6010B

Preparation: 3005A

MS Lab Sample ID: 660-36005-E-5-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1003
Date Prepared: 07/02/2010 1017

Analysis Batch: 660-96855
Prep Batch: 660-96737

Instrument ID: ICPA
Lab File ID: 10G07A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36005-E-5-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/07/2010 1009
Date Prepared: 07/02/2010 1017

Analysis Batch: 660-96855
Prep Batch: 660-96737

Instrument ID: ICPA
Lab File ID: 10G07A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Boron	97	97	75 - 125	0	20		
Strontium	102	101	75 - 125	0	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

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: 660-36007-1

Sdg Number: 36007

Method Blank - Batch: 660-96711

Method: 351.2

Preparation: 351.2

Lab Sample ID: MB 660-96711/10-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 0427
Date Prepared: 07/01/2010 1500

Analysis Batch: 660-96908
Prep Batch: 660-96711
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: 660-96711

Method: 351.2

Preparation: 351.2

Lab Sample ID: LCS 660-96711/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 0427
Date Prepared: 07/01/2010 1500

Analysis Batch: 660-96908
Prep Batch: 660-96711
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	3.06	102	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96711

Method: 351.2

Preparation: 351.2

MS Lab Sample ID: 660-36016-D-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 0427
Date Prepared: 07/01/2010 1500

Analysis Batch: 660-96908
Prep Batch: 660-96711

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

MSD Lab Sample ID: 660-36016-D-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 0427
Date Prepared: 07/01/2010 1500

Analysis Batch: 660-96908
Prep Batch: 660-96711

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	101	87	90 - 110	7	30		J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Method Blank - Batch: 640-70700

Method: 353.2

Preparation: N/A

Lab Sample ID: MB 640-70700/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1032
Date Prepared: N/A

Analysis Batch: 640-70700
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070810A1.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

Method Blank - Batch: 640-70700

Method: 353.2

Preparation: N/A

Lab Sample ID: MB 640-70700/30
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1203
Date Prepared: N/A

Analysis Batch: 640-70700
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070810A1.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

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 640-70700

Method: 353.2

Preparation: N/A

LCS Lab Sample ID: LCS 640-70700/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1035
Date Prepared: N/A

Analysis Batch: 640-70700
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070810A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70700/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1036
Date Prepared: N/A

Analysis Batch: 640-70700
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070810A1.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	100	96	90 - 110	4	30		

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 640-70700

Method: 353.2

Preparation: N/A

LCS Lab Sample ID: LCS 640-70700/31
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1225
Date Prepared: N/A

Analysis Batch: 640-70700
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070810A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70700/32
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1227
Date Prepared: N/A

Analysis Batch: 640-70700
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070810A1.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	98	96	90 - 110	2	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70700

Method: 353.2

Preparation: N/A

MS Lab Sample ID: 640-28623-D-11 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1240
Date Prepared: N/A

Analysis Batch: 640-70700
Prep Batch: N/A

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070810A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28623-D-11 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1248
Date Prepared: N/A

Analysis Batch: 640-70700
Prep Batch: N/A

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070810A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitrate Nitrite as N	114	107	90 - 110	4	30	J3	

Duplicate - Batch: 640-70700

Method: 353.2

Preparation: N/A

Lab Sample ID: 640-28671-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1041
Date Prepared: N/A

Analysis Batch: 640-70700
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070810A1.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	0.11	0.106	4	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Method Blank - Batch: 640-70562

Lab Sample ID: MB 640-70562/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1518
Date Prepared: 07/06/2010 0925

Analysis Batch: 640-70638
Prep Batch: 640-70562
Units: mg/L

Method: 365.1

Preparation: 365.2/365.3/365

Instrument ID: ASTORIA2
Lab File ID: TP070610report.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: 640-70562

Method: 365.1

Preparation: 365.2/365.3/365

LCS Lab Sample ID: LCS 640-70562/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1520
Date Prepared: 07/06/2010 0925

Analysis Batch: 640-70638
Prep Batch: 640-70562
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070610report.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70562/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1521
Date Prepared: 07/06/2010 0925

Analysis Batch: 640-70638
Prep Batch: 640-70562
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070610report.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	99	90 - 110	4	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70562

Method: 365.1

Preparation: 365.2/365.3/365

MS Lab Sample ID: 640-28625-B-1-C MS
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 07/06/2010 1635
Date Prepared: 07/06/2010 0925

Analysis Batch: 640-70638
Prep Batch: 640-70562

Instrument ID: ASTORIA2
Lab File ID: TP070610report.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28625-B-1-D MSD
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 07/06/2010 1636
Date Prepared: 07/06/2010 0925

Analysis Batch: 640-70638
Prep Batch: 640-70562

Instrument ID: ASTORIA2
Lab File ID: TP070610report.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	42	175	90 - 110	3	30	J3	J3

Duplicate - Batch: 640-70562

Method: 365.1

Preparation: 365.2/365.3/365

Lab Sample ID: 640-28625-B-1-B DU
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 07/06/2010 1633
Date Prepared: 07/06/2010 0925

Analysis Batch: 640-70638
Prep Batch: 640-70562
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070610report.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Phosphorus	4.2	4.12	2	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Method Blank - Batch: 680-173757

Method: 9060

Preparation: N/A

Lab Sample ID: MB 680-173757/1

Analysis Batch: 680-173757

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: 07/09/2010 0959

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: 660-36007-1

Sdg Number: 36007

Method Blank - Batch: 660-96949

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 660-96949/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1017
Date Prepared: N/A

Analysis Batch: 660-96949
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.8.10.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: 660-96949

Method: SM 2320B

Preparation: N/A

Lab Sample ID: LCS 660-96949/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1024
Date Prepared: N/A

Analysis Batch: 660-96949
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.8.10.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	118	119	101	80 - 120	

Duplicate - Batch: 660-96949

Method: SM 2320B

Preparation: N/A

Lab Sample ID: 660-36007-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1037
Date Prepared: N/A

Analysis Batch: 660-96949
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.8.10.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	230	224	1	30	
Carbonate Alkalinity as CaCO3	1.0 U	1.0	NC	30	U

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Method Blank - Batch: 680-173958

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

Lab Sample ID: MB 680-173958/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1343
Date Prepared: 07/13/2010 1113

Analysis Batch: 680-174036
Prep Batch: 680-173958
Units: mg/L

Instrument ID: KONELAB1
Lab File ID: KONE1071310B1NH3DISTB.:
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: 680-173958

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

Lab Sample ID: LCS 680-173958/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1343
Date Prepared: 07/13/2010 1113

Analysis Batch: 680-174036
Prep Batch: 680-173958
Units: mg/L

Instrument ID: KONELAB1
Lab File ID: KONE1071310B1NH3DISTB.:
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	1.00	0.970	97	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-173958

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

MS Lab Sample ID: 660-36007-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1343
Date Prepared: 07/13/2010 1113

Analysis Batch: 680-174036
Prep Batch: 680-173958

Instrument ID: KONELAB1
Lab File ID: KONE1071310B1NH3DISTB.:
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

MSD Lab Sample ID: 660-36007-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/13/2010 1343
Date Prepared: 07/13/2010 1113

Analysis Batch: 680-174036
Prep Batch: 680-173958

Instrument ID: KONELAB1
Lab File ID: KONE1071310B1NH3DISTB.:
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ammonia	94	92	90 - 110	2	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Duplicate - Batch: 680-173958

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

Lab Sample ID: 680-59285-E-3-B DU

Client Matrix: Water

Dilution: 5.0

Date Analyzed: 07/13/2010 1442

Date Prepared: 07/13/2010 1113

Analysis Batch: 680-174036

Prep Batch: 680-173958

Units: mg/L

Instrument ID: KONELAB1

Lab File ID: KONE1071310B1NH3DISTB.;

Initial Weight/Volume: 6 mL

Final Weight/Volume: 6 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Ammonia	5.5	5.66	3	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Method Blank - Batch: 640-70471

Method: SM 4500 P E

Preparation: N/A

Lab Sample ID: MB 640-70471/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2010 1532
Date Prepared: N/A

Analysis Batch: 640-70471
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP063010A.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: 640-70471

Method: SM 4500 P E

Preparation: N/A

LCS Lab Sample ID: LCS 640-70471/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2010 1535
Date Prepared: N/A

Analysis Batch: 640-70471
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP063010A.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 640-70471/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/30/2010 1536
Date Prepared: N/A

Analysis Batch: 640-70471
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP063010A.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	101	102	90 - 110	0	30	I	I

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70471

Method: SM 4500 P E

Preparation: N/A

MS Lab Sample ID: 640-28604-A-2 MS
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 06/30/2010 1543
Date Prepared: N/A

Analysis Batch: 640-70471
Prep Batch: N/A

Instrument ID: ASTORIA2
Lab File ID: OP063010A.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 640-28604-A-2 MSD
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 06/30/2010 1544
Date Prepared: N/A

Analysis Batch: 640-70471
Prep Batch: N/A

Instrument ID: ASTORIA2
Lab File ID: OP063010A.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
ortho-Phosphate-Dissolved	209	198	90 - 110	3	30	J3	J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36007-1

Sdg Number: 36007

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

660-36007

Client Information

Client Contact:
Ms. Stacy Foster

Company:
Florida Power & Light Company

Address:
700 Universe Blvd (GPJUB)

City:
Juno Beach

State, Zip:
FL, 33408

Phone:

Email:
Stacy_foster@fpl.com

Project Name:
FPL Turkey Point (SA SW CCS)

Site:

Sample #
561-040-4552

Lab P/N:
Fritz, Tina
E-Mail:
tina.fritz@testamericainc.com

Carrier Tracking No(s):

COC No:
660-29695.1

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Job #:

Due Date Requested:

TAT Requested (days):

Purchase Order Requested

WO #:

Project #:
66003641

SSOW#:

Analysis Requested

Sample Identification

Sample Date

Sample Time

Sample Type
(G=Comp, G=graph)

Matrix
(W=Water, S=Soil, O=Organic, A=Air)

Preservation Code

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

SUBCONTRACT - Hydrogen, Oxygen

245.1, 6010B

SM4500_S2_F - Sulfide

2320B, 300.0_28D

900.0 - Gross Alpha

351.2 - Nitrogen, Kjeldahl

200.7_CWA - SiO2, Silica

353.2 - Nitrate Nitrite as N

Un-ionized NH3 - Ammonia, Un-ionized

4500_P_E_Ortho - ortho-Phosphate

DIC/DOC

TR/NOx 365.1

Total Number of containers

Special Instructions/Note:

TPSWCCS-1B	06-29-10	1155	07	Water	X	2	1	1	1	0	1	1	2	1	12
TPSWCCS-1T		1240		Water	X	2	1	1	1	0	1	1	2	1	12
TPSWCCS-2B		1330		Water	X	2	1	1	1	0	1	1	2	1	12
TPSWCCS-2T		1405		Water	X	2	1	1	1	0	1	1	2	1	12
TPSWCCS-				Water											
TPSWCCS-				Water											
TPSWCCS-				Water											
TPSWCCS-				Water											
TPSWCCS-				Water											
TPSWCCS-				Water											
TPSWCCS-				Water											
TPSWCCS-				Water											

Possible Hazard Identification

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

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

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:

Δ Yes Δ No

Date: 6/29/10

Time: 11:55

Company: E&E

Company: E&E

Company: E&E

Company: E&E

Company: E&E

Date: 6/29/10

Time: 1521

Company: TMC

Company: TMC

Company: TMC

Company: TMC

Company: TMC

Special Instructions/Note:

Special Instructions/Note:

Special Instructions/Note:

Special Instructions/Note:

Special Instructions/Note:

Special Instructions/Note:

Special Instructions/Note:

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

SURVEY/PROJECT: FPL - Turkey Point

SAMPLERS/ORGANIZATION: Jessica Jacobs
Stephen Hodges
Steven Elliott

METER MODEL# YSI 356mcs

METER SERIAL# 100101277

Pump # 1322

Station#	Date	Time	Total Depth	Sample Depth	Water Temp	DO	DO	Cond	Salinity	pH	Turbidity	Comments
	Yr/mo/d	Hr:min	Ft	Ft	Deg C	Mg/L	% Sat	µm/cm	ppt	S.U.	NTU	
062110-TC92C-65	10/06/21	1451	8	1	28.18	1.45	25%	0.839		7.32	0.55	
062110-TC92C-65	10/06/21	1520	8	4	27.71	2.02	25.8	0.842		7.27	1.25	
062810-TC92C-15	10/06/28	1108	6	5	38.84	4.63	92.6	16.05		8.22	9.19	02P-241.6
062810-TC92C-15	10/06/28	1214	3	2	36.89	5.62	109.9	15.94		8.24	6.42	02P-239.1
062810-TC92C-38	10/06/28	1340	2.5	1.5	34.88	7.61	140.8	10.26		8.19	8.57	02P-174.5
062110-TC92C-15	10/06/21	1151	10	9	31.65	6.46	89.1	5.37		8.09	1.08	02P-205.6
062110-TC92C-15	10/06/21	1235	10	1	31.97	7.10	98.2	5.28		8.14	1.15	02P-241.7
062110-TC92C-15	10/06/21	1328	13	12	29.00	6.86	11.5	7.524		6.86	5.06	02P-222.9
062110-TC92C-15	10/06/21	1400	13	1	31.60	7.91	108.6	2.974		7.88	2.03	02P-184.8
063010-TC92C-28	10/06/30	1420	3	2	36.68	6.31	123.4	76.91		8.25	8.46	02P-76.4
063010-TC92C-28	10/06/30	1514	2.5	1.5	37.71	7.14	142.7	78.66		8.29	14.14	02P-40.2

NOTES:

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Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-36007-1

SDG Number: 36007

Login Number: 36007

List Source: TestAmerica Tampa

Creator: McNulty, Carol

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9 and 3.1 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.	N/A	
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: 660-36007-1

SDG Number: 36007

Login Number: 36007

List Source: TestAmerica Savannah

Creator: Kicklighter, Marilyn

List Creation: 07/01/10 01:20 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: 660-36007-1

SDG Number: 36007

Login Number: 36007

List Source: TestAmerica Tallahassee

Creator: Snead, Joshua

List Creation: 06/30/10 02:23 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	