

ANALYTICAL REPORT

Job Number: 660-36031-1

SDG Number: 36031

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 1:46 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; TestAmerica Mobile E87089; 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.

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

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



Job Narrative
660-36031-1

Receipt

All samples were received in good condition within temperature requirements.

Metals

Method 200.7 Rev 4.4: The method blank associated with batch 70571 had an estimated result between the MDL and PQL for Arsenic and Thallium. Samples with a positive result have been flagged with V.

Method 200.7: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 70573 were outside control limits for Iron. The associated laboratory control sample (LCS) recovery met acceptance criteria

Method 200.7: The method blank associated with batch 174051 had an estimated result between the MDL and PQL for Silica. Samples with a positive result have been flagged with V.

Method 245.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 96923 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with J3.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 97270 were outside control limits for Chloride. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 97419 were outside control limits for Fluoride. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 300.0: No MS/MSD reported for Bromide in batch 97320 due to analyst error.

Method SM 3500 CR B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 96776 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 365.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 70638 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method SM 4500 P E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 71172 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

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

Method SM 4500 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: 660-36031-1

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Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36031-1	063010-TPGW-13S				
Field pH		6.89		SU	Field Sampling
Field Temperature		29.82		Degrees C	Field Sampling
Oxygen, Dissolved		8.3		mg/L	Field Sampling
Specific Conductance		72860		umhos/cm	Field Sampling
Turbidity		0.66		NTU	Field Sampling
Bromide		120	2.5	mg/L	300.0
Chloride		37000	500	mg/L	300.0
Sulfate		5000	500	mg/L	300.0
Nitrogen, Kjeldahl		2.6	0.20	mg/L	351.2
Nitrate Nitrite as N		0.014	0.010	mg/L	353.2
Phosphorus		0.049	0.010	mg/L	365.1
Alkalinity		180	1.0	mg/L	SM 2320B
Total Dissolved Solids		75000	250	mg/L	SM 2540C
Chromium (hexavalent)		3.0 I J3	10	ug/L	SM 3500 CR B
Ammonia		2.1	0.10	mg/L	SM 4500 NH3 G
Sulfide		19	1.0	mg/L	SM 4500 S2 F
Nitrogen, Total		2.6	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.016	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		4600 V	2500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		38	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.081	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Arsenic		16 I V	80	ug/L	200.7 Rev 4.4
Barium		110	100	ug/L	200.7 Rev 4.4
Iron		130 I	500	ug/L	200.7 Rev 4.4
Manganese		41 I	100	ug/L	200.7 Rev 4.4
Molybdenum		4.7 I	100	ug/L	200.7 Rev 4.4
Thallium		30 I V	100	ug/L	200.7 Rev 4.4
Vanadium		10 I	100	ug/L	200.7 Rev 4.4
Boron		8700	500	ug/L	6010B
Calcium		790	5.0	mg/L	6010B
Potassium		800	200	mg/L	6010B
Strontium		16000	50	ug/L	6010B
Magnesium		2500	0.80	mg/L	6010B
Sodium		19000	200	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36031-2	063010-TPGW-13M				
Field pH		7.07		SU	Field Sampling
Field Temperature		29.80		Degrees C	Field Sampling
Oxygen, Dissolved		9.7		mg/L	Field Sampling
Specific Conductance		70180		umhos/cm	Field Sampling
Turbidity		0.39		NTU	Field Sampling
Bromide		110	2.5	mg/L	300.0
Chloride		36000	500	mg/L	300.0
Sulfate		4700	500	mg/L	300.0
Nitrogen, Kjeldahl		1.5	0.20	mg/L	351.2
Nitrate Nitrite as N		0.028	0.010	mg/L	353.2
Phosphorus		0.046	0.010	mg/L	365.1
Alkalinity		140	1.0	mg/L	SM 2320B
Total Dissolved Solids		70000	250	mg/L	SM 2540C
Ammonia		1.3	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.5	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.015	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		6000 V	2500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		30	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.053	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Arsenic		18 I V	80	ug/L	200.7 Rev 4.4
Barium		130	100	ug/L	200.7 Rev 4.4
Iron		8600	500	ug/L	200.7 Rev 4.4
Manganese		110	100	ug/L	200.7 Rev 4.4
Vanadium		9.3 I	100	ug/L	200.7 Rev 4.4
Boron		7800	500	ug/L	6010B
Calcium		740	5.0	mg/L	6010B
Potassium		740	200	mg/L	6010B
Strontium		15000	50	ug/L	6010B
Magnesium		2300	0.80	mg/L	6010B
Sodium		19000	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

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Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36031-3	063010-TPGW-13D				
Field pH		7.02		SU	Field Sampling
Field Temperature		30.03		Degrees C	Field Sampling
Oxygen, Dissolved		49.6		mg/L	Field Sampling
Specific Conductance		71970		umhos/cm	Field Sampling
Turbidity		0.16		NTU	Field Sampling
Bromide		110	2.5	mg/L	300.0
Chloride		37000	500	mg/L	300.0
Sulfate		4800	500	mg/L	300.0
Nitrogen, Kjeldahl		1.7	0.20	mg/L	351.2
Nitrate Nitrite as N		0.014	0.010	mg/L	353.2
Phosphorus		0.035	0.010	mg/L	365.1
Alkalinity		150	1.0	mg/L	SM 2320B
Total Dissolved Solids		74000	250	mg/L	SM 2540C
Ammonia		1.4	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.7	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.014	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		7100 V	2500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		30	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.072	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		110	100	ug/L	200.7 Rev 4.4
Iron		1300	500	ug/L	200.7 Rev 4.4
Lead		36 I	50	ug/L	200.7 Rev 4.4
Manganese		64 I	100	ug/L	200.7 Rev 4.4
Vanadium		11 I	100	ug/L	200.7 Rev 4.4
Zinc		36 I V	200	ug/L	200.7 Rev 4.4
Boron		8000	500	ug/L	6010B
Calcium		760	5.0	mg/L	6010B
Potassium		750	200	mg/L	6010B
Strontium		15000	50	ug/L	6010B
Magnesium		2400	0.80	mg/L	6010B
Sodium		19000	100	mg/L	6010B

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Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36031-5	063010-TPSWCCS-2B				
Gross Alpha		57+-4	1.5	pCi/L	900.0
Field pH		8.25		SU	Field Sampling
Field Temperature		36.68		Degrees C	Field Sampling
Oxygen, Dissolved		6.31		mg/L	Field Sampling
Specific Conductance		76910		umhos/cm	Field Sampling
Turbidity		8.46		NTU	Field Sampling
Bromide		120	2.5	mg/L	300.0
Chloride		38000	500	mg/L	300.0
Sulfate		5100	500	mg/L	300.0
Nitrogen, Kjeldahl		1.6	0.20	mg/L	351.2
Nitrate Nitrite as N		0.015	0.010	mg/L	353.2
Phosphorus		0.028	0.010	mg/L	365.1
Alkalinity		150	1.0	mg/L	SM 2320B
Total Dissolved Solids		80000	250	mg/L	SM 2540C
Ammonia		0.18	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		2.6	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.040	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		1400 I V	2500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		27	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.058	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		83 I	200	ug/L	200.7 Rev 4.4
Iron		330 I V	1000	ug/L	200.7 Rev 4.4
Boron		9200	500	ug/L	6010B
Calcium		840	5.0	mg/L	6010B
Potassium		840	200	mg/L	6010B
Strontium		16000	50	ug/L	6010B
Magnesium		2600	0.80	mg/L	6010B
Sodium		21000	200	mg/L	6010B

EXECUTIVE SUMMARY - Detections

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Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36031-6	063010-TPSWCCS-8B				
Gross Alpha		55+-4	1.4	pCi/L	900.0
Field pH		8.29		SU	Field Sampling
Field Temperature		37.87		Degrees C	Field Sampling
Oxygen, Dissolved		7.14		mg/L	Field Sampling
Specific Conductance		78060		umhos/cm	Field Sampling
Turbidity		14.14		NTU	Field Sampling
Bromide		120	2.5	mg/L	300.0
Chloride		40000	500	mg/L	300.0
Sulfate		5400	500	mg/L	300.0
Nitrogen, Kjeldahl		2.2	0.20	mg/L	351.2
Nitrate Nitrite as N		0.017	0.010	mg/L	353.2
Phosphorus		0.030	0.010	mg/L	365.1
Alkalinity		150	1.0	mg/L	SM 2320B
Total Dissolved Solids		81000	250	mg/L	SM 2540C
Ammonia		0.16	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.5	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.041	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		1200 I V	2500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		22	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.057	0.050	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		73 I	200	ug/L	200.7 Rev 4.4
Iron		290 I V	1000	ug/L	200.7 Rev 4.4
Boron		9300	500	ug/L	6010B
Calcium		860	5.0	mg/L	6010B
Potassium		840	200	mg/L	6010B
Strontium		16000	50	ug/L	6010B
Magnesium		2700	0.80	mg/L	6010B
Sodium		21000	200	mg/L	6010B

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL SAV	40CFR136A 200.7 Rev 4.4	
Sample Filtration	TAL SAV		FILTRATION
Metals (ICP)	TAL TAL	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL TAL		EPA 200.7
Mercury (CVAA)	TAL TAM	EPA 245.1	
Preparation, Mercury	TAL TAM		EPA 245.1
Metals (ICP)	TAL TAM	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL TAM		SW846 3005A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Nitrogen, Total Kjeldahl	TAL TAM	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL TAM		MCAWW 351.2
Nitrogen, Nitrate-Nitrite	TAL TAL	MCAWW 353.2	
Phosphorus, Total	TAL TAL	EPA 365.1	
Phosphorus, Total	TAL TAL		MCAWW 365.2/365.3/365
Carbon, Dissolved and Dissolved Inorganic	TAL SAV	SW846 9060	
Sample Filtration, Field	TAL SAV		FIELD_FLTRD
Alkalinity	TAL TAM	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL TAM	SM SM 2540C	
Chromium, Hexavalent	TAL TAM	SM SM 3500 CR B	
Ammonia	TAL SAV	SM SM 4500 NH3 G	
Ammonia, Distillation	TAL SAV		SM SM 4500 NH3 B
Orthophosphate	TAL TAL	SM SM 4500 P E	
Sample Filtration, Field	TAL TAL		FIELD_FLTRD
Sulfide, Total	TAL TAM	SM SM 4500 S2 F	
Nitrogen, Total	TAL TAL	EPA Total Nitrogen	
Ammonia, Unionized	TAL SAV	FL-DEP UnionizedNH3	
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: 660-36031-1

Sdg Number: 36031

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: 660-36031-1

Sdg Number: 36031

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	Wallace, Tiffany B	TBW
EPA 245.1	Wieland, Kristen	KW
SW846 6010B	Fox, Greg	GF
EPA Field Sampling	Sampler, Field	FS
MCAWW 300.0	Sengsouvana, Dom	DS
MCAWW 351.2	Office, Trey	TO
MCAWW 353.2	Williams, Tabatha D	TDW
EPA 365.1	Carlisle, Felicia F	FFC
SW846 9060	Blackshear, Kim	KB
SM SM 2320B	Steward, Tiffany	TS
SM SM 2540C	Oonnoony, Thomas	TO
SM SM 3500 CR B	Martin, Randolph	RM
SM SM 4500 NH3 G	Ross, Jon	JR
SM SM 4500 P E	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: 660-36031-1

Sdg Number: 36031

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-36031-1	063010-TPGW-13S	Water	06/30/2010 1247	07/01/2010 0820
660-36031-2	063010-TPGW-13M	Water	06/30/2010 1220	07/01/2010 0820
660-36031-3	063010-TPGW-13D	Water	06/30/2010 1350	07/01/2010 0820
660-36031-5	063010-TPSWCCS-2b	Water	06/30/2010 1430	07/01/2010 0820
660-36031-6	063010-TPSWCCS-8b	Water	06/30/2010 1520	07/01/2010 0820

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Client Sample ID: 063010-TPGW-13S

Lab Sample ID: 660-36031-1

Date Sampled: 06/30/2010 1247

Client Matrix: Water

Date Received: 07/01/2010 0820

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 0906		Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	16	I V	12	80
Barium	110		8.1	100
Beryllium	1.8	U	1.8	40
Cadmium	3.8	U	3.8	50
Copper	3.3	U	3.3	100
Iron	130	I	27	500
Lead	24	U	24	50
Manganese	41	I	4.6	100
Molybdenum	4.7	I	4.7	100
Nickel	14	U	14	200
Selenium	34	U	34	100
Thallium	30	I V	16	100
Vanadium	10	I	5.2	100
Zinc	17	U	17	200

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 1411		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO ₂ , Silica	4600	V	250	2500

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 660-96939	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-96923	Lab File ID:	10G08PS.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/08/2010 1340		Final Weight/Volume:	25 mL
Date Prepared:	07/08/2010 0900			

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

6010B Metals (ICP)-Total Recoverable

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Client Sample ID: 063010-TPGW-13S

Lab Sample ID: 660-36031-1

Date Sampled: 06/30/2010 1247

Client Matrix: Water

Date Received: 07/01/2010 0820

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97719	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97472	Lab File ID:	10G27A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/27/2010 1500	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330			

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	8700		100	500
Strontium	16000		10	50

Method:	6010B	Analysis Batch: 660-97719	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97472	Lab File ID:	10G27A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	07/27/2010 1548	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	800		38	200

Method:	6010B	Analysis Batch: 660-97719	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97472	Lab File ID:	10G27A
Dilution:	400		Initial Weight/Volume:	50 mL
Date Analyzed:	07/27/2010 1738	Run Type: DL3	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	19000		120	200

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Client Sample ID: 063010-TPGW-13M

Lab Sample ID: 660-36031-2

Date Sampled: 06/30/2010 1220

Client Matrix: Water

Date Received: 07/01/2010 0820

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 0923		Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	18	I V	12	80
Barium	130		8.1	100
Beryllium	1.8	U	1.8	40
Cadmium	3.8	U	3.8	50
Copper	3.3	U	3.3	100
Iron	8600		27	500
Lead	24	U	24	50
Manganese	110		4.6	100
Molybdenum	4.7	U	4.7	100
Nickel	14	U	14	200
Selenium	34	U	34	100
Thallium	16	U	16	100
Vanadium	9.3	I	5.2	100
Zinc	17	U	17	200

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 1427		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO ₂ , Silica	6000	V	250	2500

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 660-96939	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-96923	Lab File ID:	10G08PS.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/08/2010 1354		Final Weight/Volume:	25 mL
Date Prepared:	07/08/2010 0900			

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

6010B Metals (ICP)-Total Recoverable

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Client Sample ID: 063010-TPGW-13M

Lab Sample ID: 660-36031-2

Date Sampled: 06/30/2010 1220

Client Matrix: Water

Date Received: 07/01/2010 0820

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch:	660-97719	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch:	660-97472	Lab File ID:	10G27A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	07/27/2010 1506	Run Type:	DL	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	740		1.0	5.0
Magnesium	2300		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	7800		100	500
Strontium	15000		10	50

Method:	6010B	Analysis Batch:	660-97719	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch:	660-97472	Lab File ID:	10G27A
Dilution:	200			Initial Weight/Volume:	50 mL
Date Analyzed:	07/27/2010 1554	Run Type:	DL2	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	740		38	200
Sodium	19000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Client Sample ID: 063010-TPGW-13D

Lab Sample ID: 660-36031-3

Date Sampled: 06/30/2010 1350

Client Matrix: Water

Date Received: 07/01/2010 0820

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 0937		Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	110		8.1	100
Beryllium	1.8	U	1.8	40
Cadmium	3.8	U	3.8	50
Copper	3.3	U	3.3	100
Iron	1300		27	500
Lead	36	I	24	50
Manganese	64	I	4.6	100
Molybdenum	4.7	U	4.7	100
Nickel	14	U	14	200
Selenium	34	U	34	100
Thallium	16	U	16	100
Vanadium	11	I	5.2	100
Zinc	36	I V	17	200

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 1430		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO ₂ , Silica	7100	V	250	2500

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 660-96939	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-96923	Lab File ID:	10G08PS.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/08/2010 1356		Final Weight/Volume:	25 mL
Date Prepared:	07/08/2010 0900			

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

6010B Metals (ICP)-Total Recoverable

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Client Sample ID: 063010-TPGW-13D

Lab Sample ID: 660-36031-3

Date Sampled: 06/30/2010 1350

Client Matrix: Water

Date Received: 07/01/2010 0820

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97719	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97472	Lab File ID:	10G27A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/27/2010 1512	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	760		1.0	5.0
Magnesium	2400		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	8000		100	500
Strontium	15000		10	50

Method:	6010B	Analysis Batch: 660-97719	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97472	Lab File ID:	10G27A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	07/27/2010 1600	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	750		38	200
Sodium	19000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Client Sample ID: 063010-TPSWCCS-2b

Lab Sample ID: 660-36031-5

Date Sampled: 06/30/2010 1430

Client Matrix: Water

Date Received: 07/01/2010 0820

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70693	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70573	Lab File ID:	070910.csv
Dilution:	2.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/08/2010 0915		Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	83	I	16	200
Iron	330	I V	54	1000

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 1442		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO ₂ , Silica	1400	I V	250	2500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97719	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97472	Lab File ID:	10G27A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/27/2010 1536	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	840		1.0	5.0
Magnesium	2600		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	9200		100	500
Strontium	16000		10	50

Method:	6010B	Analysis Batch: 660-97719	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97472	Lab File ID:	10G27A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	07/27/2010 1614	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	840		38	200

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Client Sample ID: 063010-TPSWCCS-2b

Lab Sample ID: 660-36031-5

Date Sampled: 06/30/2010 1430

Client Matrix: Water

Date Received: 07/01/2010 0820

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97794	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97472	Lab File ID:	10G28A
Dilution:	400		Initial Weight/Volume:	50 mL
Date Analyzed:	07/28/2010 0916	Run Type: DL3	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	21000		120	200

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Client Sample ID: 063010-TPSWCCS-8b

Lab Sample ID: 660-36031-6

Date Sampled: 06/30/2010 1520

Client Matrix: Water

Date Received: 07/01/2010 0820

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70693	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70573	Lab File ID:	070910.csv
Dilution:	2.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/08/2010 0919		Final Weight/Volume:	50 mL
Date Prepared:	07/06/2010 1100			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	73	I	16	200
Iron	290	I V	54	1000

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 1452		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO ₂ , Silica	1200	I V	250	2500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97719	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97472	Lab File ID:	10G27A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/27/2010 1542	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	860		1.0	5.0
Magnesium	2700		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	9300		100	500
Strontium	16000		10	50

Method:	6010B	Analysis Batch: 660-97719	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97472	Lab File ID:	10G27A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	07/27/2010 1620	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	840		38	200

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Client Sample ID: 063010-TPSWCCS-8b

Lab Sample ID: 660-36031-6

Date Sampled: 06/30/2010 1520

Client Matrix: Water

Date Received: 07/01/2010 0820

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-97794	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-97472	Lab File ID:	10G28A
Dilution:	400		Initial Weight/Volume:	50 mL
Date Analyzed:	07/28/2010 0922	Run Type: DL3	Final Weight/Volume:	50 mL
Date Prepared:	07/21/2010 1330			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	21000		120	200

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

General Chemistry

Client Sample ID: 063010-TPGW-13S

Lab Sample ID: 660-36031-1

Date Sampled: 06/30/2010 1247

Client Matrix: Water

Date Received: 07/01/2010 0820

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	120		mg/L	1.4	2.5	50	300.0
Run Type: DL	Analysis Batch: 660-97320	Date Analyzed: 07/14/2010 0653					
Chloride	37000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97270	Date Analyzed: 07/15/2010 0859					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97419	Date Analyzed: 07/16/2010 1739					
Sulfate	5000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97270	Date Analyzed: 07/15/2010 0859					
Nitrogen, Kjeldahl	2.6		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-97095	Date Analyzed: 07/12/2010 1338					
	Prep Batch: 660-96958	Date Prepared: 07/08/2010 1745					
Nitrate Nitrite as N	0.014		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70728	Date Analyzed: 07/09/2010 1337					
Phosphorus	0.049		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70638	Date Analyzed: 07/06/2010 1618					
	Prep Batch: 640-70562	Date Prepared: 07/06/2010 0925					
Chromium (hexavalent)	3.0	I J3	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96776	Date Analyzed: 07/01/2010 1130					
Ammonia	2.1		mg/L	0.052	0.10	2.0	SM 4500 NH3
	Analysis Batch: 680-174036	Date Analyzed: 07/13/2010 1434					
	Prep Batch: 680-173958	Date Prepared: 07/13/2010 1113					
ortho-Phosphate-Dissolved	0.081		mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-71172	Date Analyzed: 07/02/2010 1125					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	38		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-174394	Date Analyzed: 07/15/2010 1023					
Alkalinity	180		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-97108	Date Analyzed: 07/12/2010 1532					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-97108	Date Analyzed: 07/12/2010 1532					
Total Dissolved Solids	75000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96763	Date Analyzed: 07/02/2010 1357					
Sulfide	19		mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96797	Date Analyzed: 07/03/2010 1200					
Nitrogen, Total	2.6		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70902	Date Analyzed: 07/14/2010 2112					
Unionized Ammonia	0.016		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-174974	Date Analyzed: 07/22/2010 1018					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

General Chemistry

Client Sample ID: 063010-TPGW-13M

Lab Sample ID: 660-36031-2

Date Sampled: 06/30/2010 1220

Client Matrix: Water

Date Received: 07/01/2010 0820

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	110		mg/L	1.4	2.5	50	300.0
Run Type: DL	Analysis Batch: 660-97320	Date Analyzed: 07/14/2010 0714					
Chloride	36000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97270	Date Analyzed: 07/15/2010 0920					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97419	Date Analyzed: 07/16/2010 1757					
Sulfate	4700		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97270	Date Analyzed: 07/15/2010 0920					
Nitrogen, Kjeldahl	1.5		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-97095	Date Analyzed: 07/12/2010 1338					
	Prep Batch: 660-96958	Date Prepared: 07/08/2010 1745					
Nitrate Nitrite as N	0.028		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70728	Date Analyzed: 07/09/2010 1338					
Phosphorus	0.046		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70638	Date Analyzed: 07/06/2010 1620					
	Prep Batch: 640-70562	Date Prepared: 07/06/2010 0925					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96776	Date Analyzed: 07/01/2010 1130					
Ammonia	1.3		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	0.053		mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-71172	Date Analyzed: 07/02/2010 1130					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	30		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-174394	Date Analyzed: 07/15/2010 1023					
Alkalinity	140		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96949	Date Analyzed: 07/08/2010 1138					
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 1138					
Total Dissolved Solids	70000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96763	Date Analyzed: 07/02/2010 1358					
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: 640-70902	Date Analyzed: 07/14/2010 2112					
Unionized Ammonia	0.015		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-174974	Date Analyzed: 07/22/2010 1018					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

General Chemistry

Client Sample ID: 063010-TPGW-13D

Lab Sample ID: 660-36031-3

Date Sampled: 06/30/2010 1350

Client Matrix: Water

Date Received: 07/01/2010 0820

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	110		mg/L	1.4	2.5	50	300.0
Run Type: DL	Analysis Batch: 660-97320	Date Analyzed: 07/14/2010 0736					
Chloride	37000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97270	Date Analyzed: 07/15/2010 0942					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97419	Date Analyzed: 07/16/2010 1814					
Sulfate	4800		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97270	Date Analyzed: 07/15/2010 0942					
Nitrogen, Kjeldahl	1.7		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-97095	Date Analyzed: 07/12/2010 1338					
	Prep Batch: 660-96958	Date Prepared: 07/08/2010 1745					
Nitrate Nitrite as N	0.014		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70728	Date Analyzed: 07/09/2010 1339					
Phosphorus	0.035		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70638	Date Analyzed: 07/06/2010 1621					
	Prep Batch: 640-70562	Date Prepared: 07/06/2010 0925					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96776	Date Analyzed: 07/01/2010 1130					
Ammonia	1.4		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-174036	Date Analyzed: 07/13/2010 1353					
	Prep Batch: 680-173958	Date Prepared: 07/13/2010 1113					
ortho-Phosphate-Dissolved	0.072		mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-71172	Date Analyzed: 07/02/2010 1138					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	30		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-174394	Date Analyzed: 07/15/2010 1023					
Alkalinity	150		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96949	Date Analyzed: 07/08/2010 1151					
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 1151					
Total Dissolved Solids	74000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96763	Date Analyzed: 07/02/2010 1359					
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	1.7		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70902	Date Analyzed: 07/14/2010 2112					
Unionized Ammonia	0.014		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-174974	Date Analyzed: 07/22/2010 1018					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

General Chemistry

Client Sample ID: 063010-TPSWCCS-2b

Lab Sample ID: 660-36031-5

Date Sampled: 06/30/2010 1430

Client Matrix: Water

Date Received: 07/01/2010 0820

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	120		mg/L	1.4	2.5	50	300.0
Run Type: DL	Analysis Batch: 660-97320	Date Analyzed: 07/14/2010 0819					
Chloride	38000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97270	Date Analyzed: 07/15/2010 1004					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97419	Date Analyzed: 07/16/2010 1832					
Sulfate	5100		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97270	Date Analyzed: 07/15/2010 1004					
Nitrogen, Kjeldahl	1.6		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-97095	Date Analyzed: 07/12/2010 1338					
	Prep Batch: 660-96958	Date Prepared: 07/08/2010 1745					
Nitrate Nitrite as N	0.015		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70728	Date Analyzed: 07/09/2010 1342					
Phosphorus	0.028		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70731	Date Analyzed: 07/08/2010 1426					
	Prep Batch: 640-70620	Date Prepared: 07/07/2010 1308					
Ammonia	0.18		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-174036	Date Analyzed: 07/13/2010 1353					
	Prep Batch: 680-173958	Date Prepared: 07/13/2010 1113					
ortho-Phosphate-Dissolved	0.058		mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-71172	Date Analyzed: 07/02/2010 1139					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	27		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-174394	Date Analyzed: 07/15/2010 1023					
Alkalinity	150		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96949	Date Analyzed: 07/08/2010 1157					
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 1157					
Total Dissolved Solids	80000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96807	Date Analyzed: 07/06/2010 1121					
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	2.6		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-71048	Date Analyzed: 07/20/2010 0801					
Unionized Ammonia	0.040		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-174974	Date Analyzed: 07/22/2010 1024					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

General Chemistry**Client Sample ID: 063010-TPSWCCS-8b**

Lab Sample ID: 660-36031-6

Date Sampled: 06/30/2010 1520

Client Matrix: Water

Date Received: 07/01/2010 0820

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	120		mg/L	1.4	2.5	50	300.0
Run Type: DL	Analysis Batch: 660-97320	Date Analyzed: 07/14/2010 0841					
Chloride	40000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97270	Date Analyzed: 07/15/2010 1025					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-97419	Date Analyzed: 07/16/2010 1849					
Sulfate	5400		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-97270	Date Analyzed: 07/15/2010 1025					
Nitrogen, Kjeldahl	2.2		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-97095	Date Analyzed: 07/12/2010 1338					
	Prep Batch: 660-96958	Date Prepared: 07/08/2010 1745					
Nitrate Nitrite as N	0.017		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70728	Date Analyzed: 07/09/2010 1346					
Phosphorus	0.030		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70731	Date Analyzed: 07/08/2010 1616					
	Prep Batch: 640-70576	Date Prepared: 07/06/2010 1052					
Ammonia	0.16		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-174036	Date Analyzed: 07/13/2010 1353					
	Prep Batch: 680-173958	Date Prepared: 07/13/2010 1113					
ortho-Phosphate-Dissolved	0.057		mg/L	0.0014	0.050	1.0	SM 4500 P E
	Analysis Batch: 640-71172	Date Analyzed: 07/02/2010 1141					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	22		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-174394	Date Analyzed: 07/15/2010 1023					
Alkalinity	150		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96949	Date Analyzed: 07/08/2010 1203					
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 1203					
Total Dissolved Solids	81000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96807	Date Analyzed: 07/06/2010 1122					
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: 640-71048	Date Analyzed: 07/20/2010 0801					
Unionized Ammonia	0.041		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-174974	Date Analyzed: 07/22/2010 1024					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Client Sample ID: 063010-TPSWCCS-2b

Lab Sample ID: 660-36031-5

Date Sampled: 06/30/2010 1430

Client Matrix: Water

% Moisture:

Date Received: 07/01/2010 0820

900.0 Gross Alpha and Gross Beta Radioactivity

Method:	900.0	Analysis Batch: 660-97360	Instrument ID:	NOEQUIP
Preparation:	N/A		Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.0 mL
Date Analyzed:	07/12/2010 0800		Final Weight/Volume:	1.0 mL
Date Prepared:			Injection Volume:	

Analyte	Result (pCi/L)	Qualifier	PQL
Gross Alpha	57+-4		1.5

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Client Sample ID: 063010-TPSWCCS-8b

Lab Sample ID: 660-36031-6

Date Sampled: 06/30/2010 1520

Client Matrix: Water

% Moisture:

Date Received: 07/01/2010 0820

900.0 Gross Alpha and Gross Beta Radioactivity

Method:	900.0	Analysis Batch: 660-97360	Instrument ID:	NOEQUIP
Preparation:	N/A		Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.0 mL
Date Analyzed:	07/12/2010 0800		Final Weight/Volume:	1.0 mL
Date Prepared:			Injection Volume:	

Analyte	Result (pCi/L)	Qualifier	PQL
Gross Alpha	55+-4		1.4

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Field Service / Mobile Lab**Client Sample ID: 063010-TPGW-13S**

Lab Sample ID: 660-36031-1

Date Sampled: 06/30/2010 1247

Client Matrix: Water

Date Received: 07/01/2010 0820

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.89		SU	1.0	Field Sampling	660-97116	06/30/2010 1247
Field Temperature	29.82		Degrees C	1.0	Field Sampling	660-97116	06/30/2010 1247
Oxygen, Dissolved	8.3		mg/L	1.0	Field Sampling	660-97116	06/30/2010 1247
Specific Conductance	72860		umhos/cm	1.0	Field Sampling	660-97116	06/30/2010 1247
Turbidity	0.66		NTU	1.0	Field Sampling	660-97116	06/30/2010 1247

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Field Service / Mobile Lab**Client Sample ID: 063010-TPGW-13M**

Lab Sample ID: 660-36031-2

Date Sampled: 06/30/2010 1220

Client Matrix: Water

Date Received: 07/01/2010 0820

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.07		SU	1.0	Field Sampling	660-97116	06/30/2010 1220
Field Temperature	29.80		Degrees C	1.0	Field Sampling	660-97116	06/30/2010 1220
Oxygen, Dissolved	9.7		mg/L	1.0	Field Sampling	660-97116	06/30/2010 1220
Specific Conductance	70180		umhos/cm	1.0	Field Sampling	660-97116	06/30/2010 1220
Turbidity	0.39		NTU	1.0	Field Sampling	660-97116	06/30/2010 1220

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Field Service / Mobile Lab**Client Sample ID: 063010-TPGW-13D**

Lab Sample ID: 660-36031-3

Date Sampled: 06/30/2010 1350

Client Matrix: Water

Date Received: 07/01/2010 0820

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.02		SU	1.0	Field Sampling	660-97116	06/30/2010 1350
Field Temperature	30.03		Degrees C	1.0	Field Sampling	660-97116	06/30/2010 1350
Oxygen, Dissolved	49.6		mg/L	1.0	Field Sampling	660-97116	06/30/2010 1350
Specific Conductance	71970		umhos/cm	1.0	Field Sampling	660-97116	06/30/2010 1350
Turbidity	0.16		NTU	1.0	Field Sampling	660-97116	06/30/2010 1350

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Field Service / Mobile Lab**Client Sample ID:** 063010-TPSWCCS-2b

Lab Sample ID: 660-36031-5

Date Sampled: 06/30/2010 1430

Client Matrix: Water

Date Received: 07/01/2010 0820

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.25		SU	1.0	Field Sampling	660-97116	06/30/2010 1430
Field Temperature	36.68		Degrees C	1.0	Field Sampling	660-97116	06/30/2010 1430
Oxygen, Dissolved	6.31		mg/L	1.0	Field Sampling	660-97116	06/30/2010 1430
Specific Conductance	76910		umhos/cm	1.0	Field Sampling	660-97116	06/30/2010 1430
Turbidity	8.46		NTU	1.0	Field Sampling	660-97116	06/30/2010 1430

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Field Service / Mobile Lab**Client Sample ID:** 063010-TPSWCCS-8b

Lab Sample ID: 660-36031-6

Date Sampled: 06/30/2010 1520

Client Matrix: Water

Date Received: 07/01/2010 0820

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.29		SU	1.0	Field Sampling	660-97116	06/30/2010 1520
Field Temperature	37.87		Degrees C	1.0	Field Sampling	660-97116	06/30/2010 1520
Oxygen, Dissolved	7.14		mg/L	1.0	Field Sampling	660-97116	06/30/2010 1520
Specific Conductance	78060		umhos/cm	1.0	Field Sampling	660-97116	06/30/2010 1520
Turbidity	14.14		NTU	1.0	Field Sampling	660-97116	06/30/2010 1520

DATA REPORTING QUALIFIERS

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

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

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

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: 660-36031-1
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 07/13/2010 1421
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: 660-36031-1
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 07/13/2010 1424
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	110	115	75 - 125	3	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

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
Arsenic	2.10	I	1.2	8.0
Barium	0.81	U	0.81	10
Beryllium	0.18	U	0.18	4.0
Cadmium	0.38	U	0.38	5.0
Copper	0.33	U	0.33	10
Iron	2.7	U	2.7	50
Lead	2.4	U	2.4	5.0
Manganese	0.46	U	0.46	10
Molybdenum	0.47	U	0.47	10
Nickel	1.4	U	1.4	20
Selenium	3.4	U	3.4	10
Thallium	2.09	I	1.6	10
Vanadium	0.52	U	0.52	10
Zinc	2.43	I	1.7	20

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

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

Analysis Batch: 640-70850

Instrument ID: ICP2

Client Matrix: Water

Prep Batch: 640-70571

Lab File ID: 071310.csv

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 50 mL

Date Analyzed: 07/13/2010 0856

Final Weight/Volume: 50 mL

Date Prepared: 07/06/2010 1100

LCSD Lab Sample ID: LCSD 640-70571/3-A

Analysis Batch: 640-70850

Instrument ID: ICP2

Client Matrix: Water

Prep Batch: 640-70571

Lab File ID: 071310.csv

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 50 mL

Date Analyzed: 07/13/2010 0859

Final Weight/Volume: 50 mL

Date Prepared: 07/06/2010 1100

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	102	103	85 - 115	1	20		
Barium	101	102	85 - 115	1	20		
Beryllium	107	108	85 - 115	1	20		
Cadmium	107	109	85 - 115	2	20		
Copper	101	102	85 - 115	1	20		
Iron	102	103	85 - 115	1	20		
Lead	100	102	85 - 115	1	20		
Manganese	104	106	85 - 115	1	20		
Molybdenum	98	100	85 - 115	1	20		
Nickel	100	102	85 - 115	2	20		
Selenium	106	107	85 - 115	1	20		
Thallium	104	106	85 - 115	2	20		
Vanadium	101	102	85 - 115	1	20		
Zinc	103	104	85 - 115	1	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

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: 660-36031-1
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: 660-36031-1
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					
Arsenic	106	103	70 - 130	2	20		
Barium	101	98	70 - 130	2	20		
Beryllium	107	105	70 - 130	2	20		
Cadmium	113	110	70 - 130	3	20		
Copper	104	102	70 - 130	2	20		
Iron	99	96	70 - 130	3	20		
Lead	99	97	70 - 130	2	20		
Manganese	104	102	70 - 130	2	20		
Molybdenum	99	97	70 - 130	2	20		
Nickel	101	98	70 - 130	2	20		
Selenium	108	107	70 - 130	2	20		
Thallium	101	99	70 - 130	1	20		
Vanadium	101	99	70 - 130	2	20		
Zinc	101	99	70 - 130	2	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Duplicate - Batch: 640-70571

Lab Sample ID: 660-36031-2
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

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

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
Arsenic	18	I	14.5	21	20	I J3
Barium	130		123	2	20	
Beryllium	1.8	U	1.8	NC	20	U
Cadmium	3.8	U	3.8	NC	20	U
Copper	3.3	U	3.3	NC	20	U
Iron	8600		8340	3	20	
Lead	24	U	24	NC	20	U
Manganese	110		105	2	20	
Molybdenum	4.7	U	5.96	NC	20	I
Nickel	14	U	14	NC	20	U
Selenium	34	U	34	NC	20	U
Thallium	16	U	40.9	NC	20	I
Vanadium	9.3	I	8.90	5	20	I
Zinc	17	U	17	NC	20	U

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 640-70573

Lab Sample ID: MB 640-70573/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 0745
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70693
Prep Batch: 640-70573
Units: ug/L

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Instrument ID: ICP2
Lab File ID: 070910.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Barium	0.81	U	0.81	10
Iron	4.96	I	2.7	50

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 640-70573

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

LCS Lab Sample ID: LCS 640-70573/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 0749
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70693
Prep Batch: 640-70573
Units: ug/L

Instrument ID: ICP2
Lab File ID: 070910.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-70573/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 0752
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70693
Prep Batch: 640-70573
Units: ug/L

Instrument ID: ICP2
Lab File ID: 070910.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Barium	102	100	85 - 115	2	20		
Iron	97	96	85 - 115	1	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70573

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

MS Lab Sample ID: 640-28638-C-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 0802
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70693
Prep Batch: 640-70573

Instrument ID: ICP2
Lab File ID: 070910.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-28638-C-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 0806
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70693
Prep Batch: 640-70573

Instrument ID: ICP2
Lab File ID: 070910.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Barium	100	100	70 - 130	0	20		
Iron	168	229	70 - 130	1	20	J3	J3

Duplicate - Batch: 640-70573

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Lab Sample ID: 640-28638-C-2-B DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 0827
Date Prepared: 07/06/2010 1100

Analysis Batch: 640-70693
Prep Batch: 640-70573
Units: ug/L

Instrument ID: ICP2
Lab File ID: 070910.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Barium	280	280	2	20	
Iron	37000	35900	2	20	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 660-96923

Method: 245.1

Preparation: 245.1

Lab Sample ID: MB 660-96923/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1331
Date Prepared: 07/08/2010 0900

Analysis Batch: 660-96939
Prep Batch: 660-96923
Units: ug/L

Instrument ID: PS200II
Lab File ID: 10G08PS.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.072	U	0.072	0.20

Lab Control Sample - Batch: 660-96923

Method: 245.1

Preparation: 245.1

Lab Sample ID: LCS 660-96923/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1333
Date Prepared: 07/08/2010 0900

Analysis Batch: 660-96939
Prep Batch: 660-96923
Units: ug/L

Instrument ID: PS200II
Lab File ID: 10G08PS.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	1.03	103	85 - 115	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96923

Method: 245.1

Preparation: 245.1

MS Lab Sample ID: 660-36031-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1342
Date Prepared: 07/08/2010 0900

Analysis Batch: 660-96939
Prep Batch: 660-96923

Instrument ID: PS200II
Lab File ID: 10G08PS.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 660-36031-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1344
Date Prepared: 07/08/2010 0900

Analysis Batch: 660-96939
Prep Batch: 660-96923

Instrument ID: PS200II
Lab File ID: 10G08PS.PRN
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	58	55	85 - 115	4	20	J3	J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 660-97472

Lab Sample ID: MB 660-97472/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/27/2010 1418
Date Prepared: 07/21/2010 1330

Analysis Batch: 660-97719
Prep Batch: 660-97472
Units: mg/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 10G27A
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: 660-97472

Lab Sample ID: MB 660-97472/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/27/2010 1418
Date Prepared: 07/21/2010 1330

Analysis Batch: 660-97719
Prep Batch: 660-97472
Units: ug/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 10G27A
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: 660-36031-1

Sdg Number: 36031

Lab Control Sample - Batch: 660-97472

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-97472/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/27/2010 1424
Date Prepared: 07/21/2010 1330

Analysis Batch: 660-97719
Prep Batch: 660-97472
Units: mg/L

Instrument ID: ICPA
Lab File ID: 10G27A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	1.00	1.07	107	75 - 125	
Potassium	10.0	10.0	100	75 - 125	
Magnesium	1.00	1.04	104	75 - 125	
Sodium	10.0	9.85	99	75 - 125	

Lab Control Sample - Batch: 660-97472

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-97472/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/27/2010 1424
Date Prepared: 07/21/2010 1330

Analysis Batch: 660-97719
Prep Batch: 660-97472
Units: ug/L

Instrument ID: ICPA
Lab File ID: 10G27A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Boron	1000	1030	103	75 - 125	
Strontium	1000	1090	109	75 - 125	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97472

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-36243-D-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/27/2010 1442
Date Prepared: 07/21/2010 1330

Analysis Batch: 660-97719
Prep Batch: 660-97472

Instrument ID: ICPA
Lab File ID: 10G27A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36243-D-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/27/2010 1448
Date Prepared: 07/21/2010 1330

Analysis Batch: 660-97719
Prep Batch: 660-97472

Instrument ID: ICPA
Lab File ID: 10G27A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Calcium	110	109	75 - 125	1	20		
Potassium	102	100	75 - 125	2	20		
Magnesium	105	105	75 - 125	0	20		
Sodium	99	98	75 - 125	1	20		

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97472

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-36243-D-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/27/2010 1442
Date Prepared: 07/21/2010 1330

Analysis Batch: 660-97719
Prep Batch: 660-97472

Instrument ID: ICPA
Lab File ID: 10G27A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36243-D-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/27/2010 1448
Date Prepared: 07/21/2010 1330

Analysis Batch: 660-97719
Prep Batch: 660-97472

Instrument ID: ICPA
Lab File ID: 10G27A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Boron	105	103	75 - 125	1	20		
Strontium	111	109	75 - 125	2	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 660-97270

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-97270/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 0207
Date Prepared: N/A

Analysis Batch: 660-97270
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
Chloride	0.20	U	0.20	0.50
Sulfate	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-97270

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-97270/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2010 0228
Date Prepared: N/A

Analysis Batch: 660-97270
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
Chloride	10.0	10.4	104	90 - 110	
Sulfate	10.0	10.3	103	90 - 110	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97270

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-36129-B-2 MS ^10
Client Matrix: Water
Dilution: 10
Date Analyzed: 07/15/2010 0815
Date Prepared: N/A

Analysis Batch: 660-97270
Prep Batch: N/A

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

MSD Lab Sample ID: 660-36129-B-2 MSD ^10
Client Matrix: Water
Dilution: 10
Date Analyzed: 07/15/2010 0837
Date Prepared: N/A

Analysis Batch: 660-97270
Prep Batch: N/A

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

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloride	114	112	90 - 110	1	30	J3	J3
Sulfate	108	107	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 660-97320

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-97320/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 0044
Date Prepared: N/A

Analysis Batch: 660-97320
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 73.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Result	Qual	MDL	PQL
Bromide	0.027	U	0.027	0.050

Lab Control Sample - Batch: 660-97320

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-97320/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/14/2010 0106
Date Prepared: N/A

Analysis Batch: 660-97320
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 74.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	1.03	103	90 - 110	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 660-97419

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-97419/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1704
Date Prepared: N/A

Analysis Batch: 660-97419
Prep Batch: N/A
Units: mg/L

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

Analyte	Result	Qual	MDL	PQL
Fluoride	0.020	U	0.020	0.050

Lab Control Sample - Batch: 660-97419

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-97419/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1722
Date Prepared: N/A

Analysis Batch: 660-97419
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 11.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Fluoride	1.00	1.09	109	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97419

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-36050-O-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1959
Date Prepared: N/A

Analysis Batch: 660-97419
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 20.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36050-O-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 2017
Date Prepared: N/A

Analysis Batch: 660-97419
Prep Batch: N/A

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Fluoride	82	84	90 - 110	0	30	J3	J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 660-96958

Method: 351.2

Preparation: 351.2

Lab Sample ID: MB 660-96958/10-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2010 1338
Date Prepared: 07/08/2010 1745

Analysis Batch: 660-97095
Prep Batch: 660-96958
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: 660-96958

Method: 351.2

Preparation: 351.2

Lab Sample ID: LCS 660-96958/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2010 1338
Date Prepared: 07/08/2010 1745

Analysis Batch: 660-97095
Prep Batch: 660-96958
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	3.00	100	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96958

Method: 351.2

Preparation: 351.2

MS Lab Sample ID: 660-36050-B-1-E MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2010 1338
Date Prepared: 07/08/2010 1745

Analysis Batch: 660-97095
Prep Batch: 660-96958

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

MSD Lab Sample ID: 660-36050-B-1-F MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2010 1338
Date Prepared: 07/08/2010 1745

Analysis Batch: 660-97095
Prep Batch: 660-96958

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	100	100	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 640-70728

Method: 353.2

Preparation: N/A

Lab Sample ID: MB 640-70728/29
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 1242
Date Prepared: N/A

Analysis Batch: 640-70728
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070910A1.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: 640-70728

Method: 353.2

Preparation: N/A

LCS Lab Sample ID: LCS 640-70728/30
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 1243
Date Prepared: N/A

Analysis Batch: 640-70728
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070910A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70728/31
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 1251
Date Prepared: N/A

Analysis Batch: 640-70728
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070910A1.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	107	106	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70728

Method: 353.2

Preparation: N/A

MS Lab Sample ID: 640-28718-A-3 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 1319
Date Prepared: N/A

Analysis Batch: 640-70728
Prep Batch: N/A

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070910A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28718-A-3 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 1323
Date Prepared: N/A

Analysis Batch: 640-70728
Prep Batch: N/A

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070910A1.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	110	106	90 - 110	4	30		

Duplicate - Batch: 640-70728

Method: 353.2

Preparation: N/A

Lab Sample ID: 640-28740-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2010 1327
Date Prepared: N/A

Analysis Batch: 640-70728
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3070910A1.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	0.024	0.0208	12	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

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: 660-36031-1

Sdg Number: 36031

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: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 640-70576

Method: 365.1

Preparation: 365.2/365.3/365

Lab Sample ID: MB 640-70576/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1516
Date Prepared: 07/06/2010 1052

Analysis Batch: 640-70731
Prep Batch: 640-70576
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070810A.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: 640-70576

Method: 365.1

Preparation: 365.2/365.3/365

LCS Lab Sample ID: LCS 640-70576/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1517
Date Prepared: 07/06/2010 1052

Analysis Batch: 640-70731
Prep Batch: 640-70576
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070810A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70576/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1519
Date Prepared: 07/06/2010 1052

Analysis Batch: 640-70731
Prep Batch: 640-70576
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070810A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Phosphorus	100	101	90 - 110	1	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70576

Method: 365.1

Preparation: 365.2/365.3/365

MS Lab Sample ID: 640-28647-E-5-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1555
Date Prepared: 07/06/2010 1052

Analysis Batch: 640-70731
Prep Batch: 640-70576

Instrument ID: ASTORIA2
Lab File ID: TP070810A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28647-E-5-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1604
Date Prepared: 07/06/2010 1052

Analysis Batch: 640-70731
Prep Batch: 640-70576

Instrument ID: ASTORIA2
Lab File ID: TP070810A.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	102	93	90 - 110	2	30		

Duplicate - Batch: 640-70576

Method: 365.1

Preparation: 365.2/365.3/365

Lab Sample ID: 640-28644-B-1-B DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1525
Date Prepared: 07/06/2010 1052

Analysis Batch: 640-70731
Prep Batch: 640-70576
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070810A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Phosphorus	0.62	0.610	1	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 640-70620

Method: 365.1

Preparation: 365.2/365.3/365

Lab Sample ID: MB 640-70620/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1356
Date Prepared: 07/07/2010 1308

Analysis Batch: 640-70731
Prep Batch: 640-70620
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070810A.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: 640-70620

Method: 365.1

Preparation: 365.2/365.3/365

LCS Lab Sample ID: LCS 640-70620/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1359
Date Prepared: 07/07/2010 1308

Analysis Batch: 640-70731
Prep Batch: 640-70620
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070810A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70620/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1401
Date Prepared: 07/07/2010 1308

Analysis Batch: 640-70731
Prep Batch: 640-70620
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070810A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Phosphorus	100	100	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70620

Method: 365.1

Preparation: 365.2/365.3/365

MS Lab Sample ID: 660-36059-A-4-D MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1437
Date Prepared: 07/07/2010 1308

Analysis Batch: 640-70731
Prep Batch: 640-70620

Instrument ID: ASTORIA2
Lab File ID: TP070810A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 660-36059-A-4-E MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1438
Date Prepared: 07/07/2010 1308

Analysis Batch: 640-70731
Prep Batch: 640-70620

Instrument ID: ASTORIA2
Lab File ID: TP070810A.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	94	99	90 - 110	5	30		

Duplicate - Batch: 640-70620

Method: 365.1

Preparation: 365.2/365.3/365

Lab Sample ID: 640-28690-A-1-E DU
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 07/08/2010 1459
Date Prepared: 07/07/2010 1308

Analysis Batch: 640-70731
Prep Batch: 640-70620
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP070810A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Phosphorus	3.9	3.97	3	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 680-174394

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

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

Method: 9060 Preparation: N/A

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	PQL	PQL
Dissolved Inorganic Carbon-Dissolved	1.0	U	1.0	1.0

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

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: 660-36031-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/08/2010 1144
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	140	145	3	30	
Carbonate Alkalinity as CaCO3	1.0 U	1.0	NC	30	U

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 660-97108

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 660-97108/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2010 1517
Date Prepared: N/A

Analysis Batch: 660-97108
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.13.10.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: 660-97108

Method: SM 2320B

Preparation: N/A

Lab Sample ID: LCS 660-97108/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2010 1525
Date Prepared: N/A

Analysis Batch: 660-97108
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.13.10.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	118	120	102	80 - 120	

Duplicate - Batch: 660-97108

Method: SM 2320B

Preparation: N/A

Lab Sample ID: 660-36031-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2010 1537
Date Prepared: N/A

Analysis Batch: 660-97108
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.13.10.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	180	174	2	30	
Carbonate Alkalinity as CaCO ₃	1.0 U	1.0	NC	30	U

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 660-96763

Method: SM 2540C

Preparation: N/A

Lab Sample ID: MB 660-96763/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 1346
Date Prepared: N/A

Analysis Batch: 660-96763
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: 660-96763

Method: SM 2540C

Preparation: N/A

Lab Sample ID: LCS 660-96763/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 1347
Date Prepared: N/A

Analysis Batch: 660-96763
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	9970	100	80 - 120	

Duplicate - Batch: 660-96763

Method: SM 2540C

Preparation: N/A

Lab Sample ID: 660-36031-J-4 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 1400
Date Prepared: N/A

Analysis Batch: 660-96763
Prep Batch: N/A
Units: mg/L

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

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	81000	79300	2	20	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 660-96807

Method: SM 2540C

Preparation: N/A

Lab Sample ID: MB 660-96807/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1117
Date Prepared: N/A

Analysis Batch: 660-96807
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: 660-96807

Method: SM 2540C

Preparation: N/A

Lab Sample ID: LCS 660-96807/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1117
Date Prepared: N/A

Analysis Batch: 660-96807
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	10100	101	80 - 120	

Duplicate - Batch: 660-96807

Method: SM 2540C

Preparation: N/A

Lab Sample ID: 660-36031-5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/06/2010 1122
Date Prepared: N/A

Analysis Batch: 660-96807
Prep Batch: N/A
Units: mg/L

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

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	80000	80200	0	20	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 660-96776

Method: SM 3500 CR B

Preparation: N/A

Lab Sample ID: MB 660-96776/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1130
Date Prepared: N/A

Analysis Batch: 660-96776
Prep Batch: N/A
Units: ug/L

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

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

Lab Control Sample - Batch: 660-96776

Method: SM 3500 CR B

Preparation: N/A

Lab Sample ID: LCS 660-96776/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1130
Date Prepared: N/A

Analysis Batch: 660-96776
Prep Batch: N/A
Units: ug/L

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

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	20.0	20.5	102	85 - 115	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96776

Method: SM 3500 CR B

Preparation: N/A

MS Lab Sample ID: 660-36031-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1130
Date Prepared: N/A

Analysis Batch: 660-96776
Prep Batch: N/A

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

MSD Lab Sample ID: 660-36031-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/01/2010 1130
Date Prepared: N/A

Analysis Batch: 660-96776
Prep Batch: N/A

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chromium (hexavalent)	15	25	85 - 115	29	20	I J3	I J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

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-H-1-B MS
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-H-1-C MSD
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: 660-36031-1

Sdg Number: 36031

Duplicate - Batch: 680-173958

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

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

Analysis Batch: 680-174036

Instrument ID: KONELAB1

Client Matrix: Water

Prep Batch: 680-173958

Lab File ID: KONE1071310B1NH3DISTB.;

Dilution: 5.0

Units: mg/L

Initial Weight/Volume: 6 mL

Date Analyzed: 07/13/2010 1442

Final Weight/Volume: 6 mL

Date Prepared: 07/13/2010 1113

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: 660-36031-1

Sdg Number: 36031

Method Blank - Batch: 640-71172

Method: SM 4500 P E

Preparation: N/A

Lab Sample ID: MB 640-71172/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 0942
Date Prepared: N/A

Analysis Batch: 640-71172
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP070210A.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: 640-71172

Method: SM 4500 P E

Preparation: N/A

LCS Lab Sample ID: LCS 640-71172/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 0944
Date Prepared: N/A

Analysis Batch: 640-71172
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP070210A.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 640-71172/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 0946
Date Prepared: N/A

Analysis Batch: 640-71172
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP070210A.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
ortho-Phosphate-Dissolved	103	106		3		I	I

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-71172

Method: SM 4500 P E

Preparation: N/A

MS Lab Sample ID: 660-36031-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 1127
Date Prepared: N/A

Analysis Batch: 640-71172
Prep Batch: N/A

Instrument ID: ASTORIA2
Lab File ID: OP070210A.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 660-36031-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 1129
Date Prepared: N/A

Analysis Batch: 640-71172
Prep Batch: N/A

Instrument ID: ASTORIA2
Lab File ID: OP070210A.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	88	84		0.927			

Duplicate - Batch: 640-71172

Method: SM 4500 P E

Preparation: N/A

Lab Sample ID: 660-36031-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/02/2010 1126
Date Prepared: N/A

Analysis Batch: 640-71172
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP070210A.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
ortho-Phosphate-Dissolved	0.081	0.0820	1.14		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36031-1

Sdg Number: 36031

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		

PURGING DATA

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1208	PURGING ENDED AT: 1240	TOTAL VOLUME PURGED (gallons): 35
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WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: <i>J. Jacob</i>				SAMPLER(S) SIGNATURE(S): <i>J. Jacob</i>			SAMPLING INITIATED AT: <i>12:47</i>		SAMPLING ENDED AT: <i>1:30:5</i>	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE: <i>T</i>			FIELD-FILTERED: <input checked="" type="checkbox"/> N Filtration Equipment Type:		FILTER SIZE: <i>95</i> µm	
FIELD DECONTAMINATION: PUMP <i>Y</i> <input checked="" type="checkbox"/> TUBING <i>Y</i> <input checked="" type="checkbox"/> (Replaced)							DUPLICATE: <i>Y</i> <input checked="" type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH				
	<i>2</i>	<i>PE</i>	<i>250 ml</i>	<i>NITRIC</i>	<i>250</i>	<i>2 1/2</i>	<i>Trace met/met. APP</i>		<i>.05</i>	
	<i>2</i>	<i>PE</i>	<i>250 ml</i>	<i>Sulfuric</i>	<i>250</i>	<i>2 1/2</i>	<i>TPNOx/TKN APP</i>		<i>.05</i>	
	<i>1</i>	<i>PE</i>	<i>250 ml</i>	<i>Sulfuric</i>	<i>250</i>	<i>2</i>	<i>NH3 APP</i>		<i>.05</i>	
	<i>1</i>	<i>PE</i>	<i>500 ml</i>	<i>Zn Acet. 2004</i>	<i>500</i>	<i>10</i>	<i>Sulfate APP</i>		<i>.05</i>	
	<i>1</i>	<i>PE</i>	<i>250 ml</i>	<i>NITRIC</i>	<i>250</i>	<i>2</i>	<i>Strontium APP</i>		<i>.05</i>	
	<i>1</i>	<i>Aln</i>	<i>125 ml</i>	<i>HCl</i>	<i>125</i>	<i>2</i>	<i>DO2 APP</i>		<i>.25</i>	

REMARKS: For remaining samples, please see C2W with nutrient
analyte list.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

2. **STABILIZATION CRITERIA** FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE TABLE FS 2200-2):
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

GROUNDWATER SAMPLING LOG

SITE NAME:	063010-TPGW-13m		SITE LOCATION:	
WELL NO:		SAMPLE ID:		DATE: 06-30-10

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>J. Jacobs</i>				SAMPLER(S) SIGNATURE(S): <i>J. Jacobs</i>				SAMPLING INITIATED AT: <i>1220</i>		SAMPLING ENDED AT: <i>45</i>			
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE: <i>T</i>		FIELD-FILTERED: <input checked="" type="radio"/> Y <input type="radio"/> N		FILTER SIZE: <i>45</i> µm					
FIELD DECONTAMINATION: PUMP <input type="radio"/> Y <input checked="" type="radio"/> N TUBING <input type="radio"/> Y <input checked="" type="radio"/> N (replaced)						DUPLICATE: <input type="radio"/> Y <input checked="" type="radio"/> N							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (ml. per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH							
	<i>2</i>	<i>PE</i>	<i>250ml</i>	<i>NH4Cl</i>	<i>250</i>	<i>2/2</i>	<i>Trace metal/met</i>		<i>APP</i>	<i>5</i>	<i>0.1</i>		
	<i>2</i>	<i>PE</i>	<i>250ml</i>	<i>Sulfuric</i>	<i>250</i>	<i>2/2</i>	<i>TP NOx/TKN</i>		<i>APP</i>		<i>"</i>		
	<i>1</i>	<i>PE</i>	<i>500ml</i>	<i>Sulfuric</i>	<i>500</i>	<i>2</i>	<i>NH3</i>		<i>APP</i>		<i>"</i>		
	<i>1</i>	<i>PE</i>	<i>500ml</i>	<i>BRACON</i>	<i>500</i>	<i>10</i>	<i>Sulfuric</i>		<i>APP</i>		<i>"</i>		
	<i>1</i>	<i>PE</i>	<i>250ml</i>	<i>NH4Cl</i>	<i>250</i>	<i>2</i>	<i>Strontium</i>		<i>APP</i>		<i>"</i>		
	<i>1</i>	<i>PE</i>	<i>125ml</i>	<i>HCl</i>	<i>125</i>	<i>2</i>	<i>DDC</i>		<i>APP</i>		<i>"</i>		
REMARKS: <i>AG</i> <i>For remaining samples please see G.W. w/ nutrients Analy</i>													
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)													
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; REPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)													

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

2. **STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS:**
pH: ± 0.2 units **Temperature:** $\pm 0.2^{\circ}\text{C}$ **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2\text{ mg/L}$ or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings $\leq 20\text{ NTU}$; optionally $\pm 5\text{ NTU}$ or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Form FD-9000-24

SITE NAME: 863810-TPGW-13D		SITE LOCATION:	
WELL NO:		DATE: 6/30/10	

PURGING DATA

WELL DIAMETER (inches):		TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:		STATIC DEPTH TO WATER (feet):		PURGE PUMP TYPE OR BAILER:				
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
						X	gallons/foot.	=	gallons		
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
								+ gallons =	gallons		
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):			
TIME	VOLUME PURGED (gallons)	CUMULATIVE VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. ($^{\circ}$ C)	COND. (circle units) $\mu\text{mhos/cm or } \mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) $\text{mg/L or \% saturation}$	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1337	1.75	1.75	.110		7.01	30-28	72.06	77.05(15.7)	0.50	light yellow	light sulfur
1342	.75	2.50	.15		7.02	30.17	72.02	10.7(6.62)	0.45	"	"
1347	.25	2.75	.05		7.02	30-03	71.97	49.6(2.4)	0.16	"	"
WELL CAPACITY (Gallons Per Foot): .75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. Jacobs				SAMPLER(S) SIGNATURE(S): J. Jacobs			SAMPLING INITIATED AT: 1300		SAMPLING ENDED AT: 1415	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE: T			FIELD-FILTERED: <input checked="" type="radio"/> N		FILTER SIZE: 45 µm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> TUBING Y <input checked="" type="radio"/> (replaced)				DUPLICATE: Y <input checked="" type="radio"/>						
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	2	PE	250 mL	Nitric	250	2	Trace metal/metal APP			0.05
	2	PE	250 mL	Sulfuric	250	2	TANOX / TKA APP			"
	1	PE	500 mL	Sulfuric	500	2	NH ₃ APP			"
	1	PE	250 mL	Nitric	250	2	Strontium APP			"
	1	PE	500 mL	Trace metal	500	10	Sulfate APP			"
	1	AG	125 mL	HCl	125	2	DOZ APP			"
REMARKS: Please see CWD w/ nutrient for remaining samples analyzed 1-57										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

2. **STABILIZATION CRITERIA:** FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE TABLE FS 2200-2):
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

4 90.0

173.0
148.8
64.2
70.0
147.1
142.3
194.3
182.3
124.6
163.0
156.6
186.7
192.5
199.3

SRP	Station #	Date	Hour	Total Depth	Sample Depth	H ₂ O Temp	DO mg/l	DO % sat	ms/cm Cond	pH	Turbid
	063010-TPSWCS-58	10/06/00	10:37	3.0	2.0	34.68	7.84	148.9	1757	8.32	5.2
	070110-TPSWCS-38	10/07/01	11:25	12.0	11.0	30.05	4.14	55.5	2.42	7.34	0.74
	070110-TPSWCS-37	10/07/01	11:55	12.0	11.0	31.72	7.15	98.0	2.437	7.44	0.52
	070110-TPSWCS-48	10/07/01	12:45	4.5	3.5	28.04	0.27	3.9	32.30	6.86	145.96
	070110-TPSWCS-47	10/07/01	13:20	4.5	1.0	31.96	4.90	72.3	2.304	7.31	5.17
	070110-TPSWCS-48	10/07/01	14:17	16 ft	15 ft	34.41	8.76	146.0	77.59	8.28	5.7
	070110-TPSWCS-47	10/07/01	15:15	16 ft	1 ft	34.93	9.82	187.5	77.50	8.33	4.83
	070110-TPSWCS-58	10/07/01	16:20	14 ft	13 ft	32.35	3.40	55.6	49.20	7.70	3.29
	070110-TPSWCS-57	10/07/01	17:10	14 ft	1 ft	32.31	6.63	109.2	47.34	7.96	6.26
	070110-TPSWCS-181	10/07/07	12:12	12 ft	11 ft	28.89	5.54	71.9	0.47	7.59	1.89
	070110-TPSWCS-17	10/07/07	12:47	12 ft	1 ft	30.53	4.59	61.3	.512	7.61	1.17
	070110-TPSWCS-28	10/07/07	13:50	10 ft	9 ft	30.25	5.28	70.2	.596	7.87	7.12
	070110-TPSWCS-27	10/07/07	14:13	10 ft	1 ft	31.96	6.61	90.5	.597	7.91	1.79
	070110-TPSWCS-38	10/07/07	15:20	10 ft	9 ft	30.54	5.77	77.1	6.019	7.61	1.55
	070110-TPSWCS-37	10/07/07	15:47	10 ft	1 ft	32.58	8.04	111.3	6.87	7.80	1.21

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

SURVEY/PROJECT: FPL - Turkey PointSAMPLERS/ORGANIZATION: Deseris Waters
Stephen Hodges
Steven EllisMETER MODEL# YSI 556m45METER SERIAL# 1050101277Pump # 1322

Station#	Date	Time	Total Depth Ft	Sample Depth Ft	Water Temp Deg C	DO Mg/L	DO % Sat	Cond µS/cm	Salinity ppt	pH	Turbidity NTU	Comments
062410-TPS20C-65	10/04/21	1451	8	1	28.18	1.95	25%	0.839		7.32	0.55	
062410-TPS20C-65	10/04/21	1520	8	4	27.71	2.02	25.8	0.842		7.27	1.25	
062810-TPS20C-15	10/06/28	1108	6	5	38.84	4.03	92.6	16.05		8.22	9.19	DRP-241.6
062810-TPS20C-15	10/06/28	1214	3	2	36.89	5.62	109.9	15.94		8.24	6.42	DRP-289.1
062810-TPS20C-15	10/06/28	1340	2.5	1.5	34.88	7.01	40.8	10.26		8.19	8.57	DRP-179.5
062410-TPS20C-65	10/04/21	1151	10	9	31.65	6.46	89.1	6.34		8.09	1.08	DRP-205.6
062410-TPS20C-65	10/04/21	1235	10	1	31.97	7.10	98.2	5.28		8.14	1.15	DRP-241.7
062410-TPS20C-65	10/04/21	1328	13	12	29.00	6.86	11.5	7.524		6.86	5.06	DRP-222.9
062410-TPS20C-65	10/04/21	1400	13	1	31.60	7.91	108.6	2.994		7.88	2.03	DRP-184.8
063010-TPS20C-25	10/06/30	1420	3	2	36.68	6.31	123.4	16.91		8.25	8.46	DRP-76.4
063010-TPS20C-25	10/06/30	1519	2.5	1.5	37.87	7.14	142.7	18.06		8.29	14.14	DRP-40.2

NOTES:

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LABORATORY SERVICES

2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: July 12, 2010

TestAmerica Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Amy Atkins

Field Custody: Client
Client/Field ID: 660-36031-4
063010-
TPSWCCS-5B
Sample Collection: 6-30-10/1640

Lab ID No: 10.4462
Lab Custody Date: 7-2-10/1100
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	54 ± 4	07-12-10/0800	EPA 00-02	1.4

A handwritten signature in cursive script that reads "James W. Hayes". The signature is written in dark ink and is positioned above a horizontal line.

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.



Report Date: July 12, 2010

2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

TestAmerica Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Amy Atkins

Field Custody: Client
Client/Field ID: 660-36031-5
063010-
TPSWCCS-2B
Sample Collection: 6-30-10/1430
Lab ID No: 10.4463
Lab Custody Date: 7-2-10/1100
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	57 ± 4	07-12-10/0800	EPA 00-02	1.5

A handwritten signature in cursive script that reads "James W. Hayes".

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.



Report Date: July 12, 2010

2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

TestAmerica Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Amy Atkins

Field Custody: Client
Client/Field ID: 660-36031-6
063010-
TPSWCCS-8B
Sample Collection: 6-30-10/1520
Lab ID No: 10.4464
Lab Custody Date: 7-2-10/1100
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	55 ± 4	07-12-10/0800	EPA 00-02	1.4

A handwritten signature in cursive script that reads "James W. Hayes".

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards. Test results refer only to sample(s) listed. Contact person: Jim Hayes (813) 229-2879.

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

Page 79 of 82

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-36031-1

SDG Number: 36031

Login Number: 36031

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	2.8, 1.3 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-36031-1

SDG Number: 36031

Login Number: 36031

List Source: TestAmerica Savannah

Creator: Conner, Keaton

List Creation: 07/02/10 11:50 AM

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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.	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: 660-36031-1

SDG Number: 36031

Login Number: 36031

List Source: TestAmerica Tallahassee

Creator: Snead, Joshua

List Creation: 07/01/10 04:36 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	