

## ANALYTICAL REPORT

Job Number: 660-35826-1

SDG Number: 35826

Job Description: FPL Turkey Point Analytical Services

For:

Florida Power & Light Company  
Technical Services - PGD Environmental  
Water Compliance/Permitting  
700 Universe Blvd (JES/JB)  
Juno Beach, FL 33408  
Attention: Ms. Stacy Foster



Approved for release.  
Amy Atkins  
Project Manager I  
8/24/2010 8:38 AM

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Amy Atkins  
Project Manager I  
amy.atkins@testamericainc.com  
08/24/2010  
Revision: 1

cc: Ms. Sharon Ewe

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

**DRAFT**

THE DATA IN THIS REPORT HAS NOT HAD A FINAL QA/QC CHECK

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**Comments**

Report revised to show lower limits for 200.7.

**Receipt**

All samples were received in good condition within temperature requirements.

**Metals**

Method 200.7: The following sample was received unpreserved and was preserved upon receipt to the laboratory: 061710-TPGW-12S (660-35826-4). Initial pH of 2.5 was adjusted to <2 with HNO3 lot 2MER0014. Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion.

Method 200.7 Rev 4.4: The following samples were diluted due to the nature of the sample matrix: (660-35826-1 MS), (660-35826-1 MSD), (660-35826-2 DU), 061710-TPGW-12M (660-35826-5), 061710-TPGW-12S (660-35826-4), 061710-TPGW-3D (660-35826-3), 061710-TPGW-3M (660-35826-2), 061710-TPGW-3S (660-35826-1). Elevated reporting limits (RLs) are provided.

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

Method 245.1: The matrix spike duplicate (MSD) recovery for batch 96199 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with a J3.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries in batch 96364 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with a J3.

**General Chemistry**

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

Method SM 3500 CR B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 96145 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with a J3.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 96756 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 70268 sample 35826-4 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with a J3.

Method 365.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 70261 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with a J3.

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

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

Method SM 4500 P E: The samples were analyzed outside of analytical holding time due to the matrix of the samples. The High saline caused QC to continuously fail. The samples are flagged with Q.

Method SM 4500 S2 F: Insufficient sample volume was provided to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 96141. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

# EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-35826-1	061710-TPGW-3S					
Mercury		0.10	I	0.20	ug/L	245.1
Field pH		6.74			SU	Field Sampling
Field Temperature		26.52			Degrees C	Field Sampling
Oxygen, Dissolved		0.9			mg/L	Field Sampling
Specific Conductance		51890			umhos/cm	Field Sampling
Turbidity		0.35			NTU	Field Sampling
Bromide		83		5.0	mg/L	300.0
Chloride		24000		500	mg/L	300.0
Sulfate		3200		50	mg/L	300.0
Nitrogen, Kjeldahl		1.2		0.20	mg/L	351.2
Phosphorus		0.097	I	0.10	mg/L	365.1
Alkalinity		330		1.0	mg/L	SM 2320B
Total Dissolved Solids		44000		250	mg/L	SM 2540C
Ammonia		1.0		0.10	mg/L	SM 4500 NH3 G
Sulfide		4.8		1.0	mg/L	SM 4500 S2 F
Nitrogen, Total		1.2		0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.0042		0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>						
SiO2, Silica		4900		500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		83		1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.36	I Q	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>						
Barium		120	J3	100	ug/L	200.7 Rev 4.4
Beryllium		1.9	I	40	ug/L	200.7 Rev 4.4
Iron		320	I	500	ug/L	200.7 Rev 4.4
Manganese		65	I	100	ug/L	200.7 Rev 4.4
Vanadium		23	I	100	ug/L	200.7 Rev 4.4
Boron		5000		500	ug/L	6010B
Calcium		640	J3	5.0	mg/L	6010B
Potassium		450	J3	200	mg/L	6010B
Strontium		11000	J3	50	ug/L	6010B
Magnesium		1700	J3	0.80	mg/L	6010B
Sodium		13000	J3	100	mg/L	6010B

# EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
<b>660-35826-2</b>	<b>061710-TPGW-3M</b>				
Field pH		6.99		SU	Field Sampling
Field Temperature		27.04		Degrees C	Field Sampling
Oxygen, Dissolved		2.7		mg/L	Field Sampling
Specific Conductance		62250		umhos/cm	Field Sampling
Turbidity		0.53		NTU	Field Sampling
Bromide		89	5.0	mg/L	300.0
Chloride		26000	500	mg/L	300.0
Sulfate		3400	50	mg/L	300.0
Nitrogen, Kjeldahl		1.1	0.20	mg/L	351.2
Nitrate Nitrite as N		0.016	0.010	mg/L	353.2
Phosphorus		0.079 I	0.10	mg/L	365.1
Alkalinity		220	1.0	mg/L	SM 2320B
Total Dissolved Solids		48000	250	mg/L	SM 2540C
Ammonia		1.4	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.1	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.0019	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		3800	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		55	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.13 I Q	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		110	100	ug/L	200.7 Rev 4.4
Iron		1700	500	ug/L	200.7 Rev 4.4
Manganese		54 I	100	ug/L	200.7 Rev 4.4
Vanadium		13 I	100	ug/L	200.7 Rev 4.4
Boron		5900	500	ug/L	6010B
Calcium		640	5.0	mg/L	6010B
Potassium		490	200	mg/L	6010B
Strontium		12000	50	ug/L	6010B
Magnesium		1800	0.80	mg/L	6010B
Sodium		15000	100	mg/L	6010B

# EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Lab Sample ID	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
Analyte						
<b>660-35826-3</b>	<b>061710-TPGW-3D</b>					
Field pH		6.92			SU	Field Sampling
Field Temperature		26.96			Degrees C	Field Sampling
Oxygen, Dissolved		2.4			mg/L	Field Sampling
Specific Conductance		55570			umhos/cm	Field Sampling
Turbidity		2.30			NTU	Field Sampling
Bromide		87		5.0	mg/L	300.0
Chloride		26000		500	mg/L	300.0
Sulfate		3500		50	mg/L	300.0
Nitrogen, Kjeldahl		1.6		0.20	mg/L	351.2
Nitrate Nitrite as N		0.014		0.010	mg/L	353.2
Phosphorus		0.080	I	0.10	mg/L	365.1
Alkalinity		220		1.0	mg/L	SM 2320B
Total Dissolved Solids		47000		250	mg/L	SM 2540C
Ammonia		1.4		0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.6		0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.0092		0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>						
SiO2, Silica		4400		500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		87		1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.12	I Q	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>						
Barium		92	I	100	ug/L	200.7 Rev 4.4
Iron		330	I	500	ug/L	200.7 Rev 4.4
Manganese		94	I	100	ug/L	200.7 Rev 4.4
Vanadium		14	I	100	ug/L	200.7 Rev 4.4
Zinc		29	I	200	ug/L	200.7 Rev 4.4
Boron		5800		500	ug/L	6010B
Calcium		640		5.0	mg/L	6010B
Potassium		490		200	mg/L	6010B
Strontium		12000		50	ug/L	6010B
Magnesium		1800		0.80	mg/L	6010B
Sodium		14000		100	mg/L	6010B

# EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
<b>660-35826-4</b>	<b>061710-TPGW-12S</b>				
Field pH		6.65		SU	Field Sampling
Field Temperature		27.16		Degrees C	Field Sampling
Oxygen, Dissolved		5.0		mg/L	Field Sampling
Specific Conductance		37380		umhos/cm	Field Sampling
Turbidity		0.44		NTU	Field Sampling
Bromide		50	5.0	mg/L	300.0
Chloride		14000	500	mg/L	300.0
Fluoride		0.17 I	0.25	mg/L	300.0
Sulfate		1900	50	mg/L	300.0
Nitrogen, Kjeldahl		1.1	0.20	mg/L	351.2
Nitrate Nitrite as N		0.0052 I J3	0.010	mg/L	353.2
Phosphorus		0.061 I	0.10	mg/L	365.1
Alkalinity		510	1.0	mg/L	SM 2320B
Total Dissolved Solids		26000	250	mg/L	SM 2540C
Ammonia		0.76	0.050	mg/L	SM 4500 NH3 G
Sulfide		22	1.0	mg/L	SM 4500 S2 F
Nitrogen, Total		1.1	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.69	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		6300	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		130	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.094 I Q	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		28 I	100	ug/L	200.7 Rev 4.4
Iron		160 I	500	ug/L	200.7 Rev 4.4
Manganese		14 I	100	ug/L	200.7 Rev 4.4
Vanadium		6.2 I	100	ug/L	200.7 Rev 4.4
Zinc		18 I	200	ug/L	200.7 Rev 4.4
Boron		3200	500	ug/L	6010B
Calcium		450	5.0	mg/L	6010B
Potassium		440	10	mg/L	6010B
Strontium		7200	50	ug/L	6010B
Magnesium		980	0.80	mg/L	6010B
Sodium		7700	100	mg/L	6010B

# EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
<b>660-35826-5</b>	<b>061710-TPGW-12M</b>				
Field pH		7.02		SU	Field Sampling
Field Temperature		26.85		Degrees C	Field Sampling
Oxygen, Dissolved		2.6		mg/L	Field Sampling
Specific Conductance		52270		umhos/cm	Field Sampling
Turbidity		0.28		NTU	Field Sampling
Bromide		81	5.0	mg/L	300.0
Chloride		24000	500	mg/L	300.0
Sulfate		3100	50	mg/L	300.0
Nitrogen, Kjeldahl		1.4	0.20	mg/L	351.2
Nitrate Nitrite as N		0.016	0.010	mg/L	353.2
Phosphorus		0.058	0.10	mg/L	365.1
Alkalinity		190	1.0	mg/L	SM 2320B
Total Dissolved Solids		44000	250	mg/L	SM 2540C
Ammonia		1.2	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.4	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.0098	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
SiO2, Silica		5200	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		49	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.11	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		130	100	ug/L	200.7 Rev 4.4
Iron		1500	500	ug/L	200.7 Rev 4.4
Manganese		43	100	ug/L	200.7 Rev 4.4
Vanadium		15	100	ug/L	200.7 Rev 4.4
Boron		5300	500	ug/L	6010B
Calcium		590	5.0	mg/L	6010B
Potassium		470	200	mg/L	6010B
Strontium		11000	50	ug/L	6010B
Magnesium		1700	0.80	mg/L	6010B
Sodium		13000	100	mg/L	6010B
<b>660-35826-6</b>	<b>061710-FB1</b>				
Nitrogen, Kjeldahl		0.11	0.20	mg/L	351.2
Nitrate Nitrite as N		0.0068	0.010	mg/L	353.2
Alkalinity		2.0	1.0	mg/L	SM 2320B
Ammonia		0.048	0.050	mg/L	SM 4500 NH3 G
<i>Dissolved</i>					
ortho-Phosphate-Dissolved		0.053	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Zinc		2.6	20	ug/L	200.7 Rev 4.4

## METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

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

### Lab References:

TAL SAV = TestAmerica Savannah

TAL TAL = TestAmerica Tallahassee

TAL TAM = TestAmerica Tampa



## METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

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: 660-35826-1

Sdg Number: 35826

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

## SAMPLE SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-35826-1	061710-TPGW-3S	Water	06/17/2010 1105	06/18/2010 0820
660-35826-2	061710-TPGW-3M	Water	06/17/2010 1130	06/18/2010 0820
660-35826-3	061710-TPGW-3D	Water	06/17/2010 1225	06/18/2010 0820
660-35826-4	061710-TPGW-12S	Water	06/17/2010 1555	06/18/2010 0820
660-35826-5	061710-TPGW-12M	Water	06/17/2010 1630	06/18/2010 0820
660-35826-6	061710-FB1	Water	06/17/2010 1500	06/18/2010 0820

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Client Sample ID: 061710-TPGW-3S

Lab Sample ID: 660-35826-1

Client Matrix: Water

Date Sampled: 06/17/2010 1105

Date Received: 06/18/2010 0820

## 200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch:	640-70408	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch:	640-70149	Lab File ID:	062910.csv
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 0800			Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	120	J3	8.1	100
Beryllium	1.9	I	1.8	40
Cadmium	3.8	U	3.8	50
Copper	3.3	U	3.3	100
Iron	320	I	27	500
Lead	24	U	24	50
Manganese	65	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	23	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:	680-172919	Instrument ID:	Varian ICP
Preparation:	N/A			Lab File ID:	E06292010_SI.csv
Dilution:	1.0			Initial Weight/Volume:	
Date Analyzed:	06/29/2010 1359			Final Weight/Volume:	1.0 mL
Date Prepared:					

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO <sub>2</sub> , Silica	4900		50	500

## 245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch:	660-96199	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch:	660-96156	Lab File ID:	10F21PS.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/21/2010 1530			Final Weight/Volume:	25 mL
Date Prepared:	06/21/2010 0900				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.10	I	0.072	0.20

## 6010B Metals (ICP)-Total Recoverable

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Client Sample ID: 061710-TPGW-3S

Lab Sample ID: 660-35826-1

Date Sampled: 06/17/2010 1105

Client Matrix: Water

Date Received: 06/18/2010 0820

## 6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch:	660-96549	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch:	660-96364	Lab File ID:	10F29A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 1047			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 1034				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	640	J3	1.0	5.0
Magnesium	1700	J3	0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5000		100	500
Strontium	11000	J3	10	50

Method:	6010B	Analysis Batch:	660-96549	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch:	660-96364	Lab File ID:	10F29A
Dilution:	200			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 1111	Run Type:	DL2	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 1034				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	450	J3	38	200
Sodium	13000	J3	62	100

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Client Sample ID: 061710-TPGW-3M

Lab Sample ID: 660-35826-2

Client Matrix: Water

Date Sampled: 06/17/2010 1130

Date Received: 06/18/2010 0820

## 200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70408	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70149	Lab File ID:	062910.csv
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 0824		Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000			

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	1700		27	500
Lead	24	U	24	50
Manganese	54	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	13	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: 680-172919	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E06292010_SI.csv
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	06/29/2010 1406		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	3800		50	500

## 245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 660-96199	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-96156	Lab File ID:	10F21PS.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	06/21/2010 1532		Final Weight/Volume:	25 mL
Date Prepared:	06/21/2010 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: 660-35826-1

Sdg Number: 35826

Client Sample ID: 061710-TPGW-3M

Lab Sample ID: 660-35826-2

Date Sampled: 06/17/2010 1130

Client Matrix: Water

Date Received: 06/18/2010 0820

## 6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch:	660-96549	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch:	660-96364	Lab File ID:	10F29A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 1117			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 1034				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	640		1.0	5.0
Magnesium	1800		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5900		100	500
Strontium	12000		10	50

Method:	6010B	Analysis Batch:	660-96549	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch:	660-96364	Lab File ID:	10F29A
Dilution:	200			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 1135	Run Type:	DL	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 1034				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	490		38	200
Sodium	15000		62	100

**Analytical Data**

Client: Florida Power &amp; Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Client Sample ID: 061710-TPGW-3D

Lab Sample ID: 660-35826-3

Date Sampled: 06/17/2010 1225

Client Matrix: Water

Date Received: 06/18/2010 0820

**200.7 Rev 4.4 Metals (ICP)-Total Recoverable**

Method:	200.7 Rev 4.4	Analysis Batch:	640-70408	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch:	640-70149	Lab File ID:	062910.csv
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 0833			Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	92	I	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	330	I	27	500
Lead	24	U	24	50
Manganese	94	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	14	I	5.2	100
Zinc	29	I	17	200

**200.7 Rev 4.4 Metals (ICP)-Dissolved**

Method:	200.7 Rev 4.4	Analysis Batch:	680-172919	Instrument ID:	Varian ICP
Preparation:	N/A			Lab File ID:	E06292010_SI.csv
Dilution:	1.0			Initial Weight/Volume:	
Date Analyzed:	06/29/2010 1409			Final Weight/Volume:	1.0 mL
Date Prepared:					

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	4400		50	500

**245.1 Mercury (CVAA)**

Method:	245.1	Analysis Batch:	660-96199	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch:	660-96156	Lab File ID:	10F21PS.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/21/2010 1534			Final Weight/Volume:	25 mL
Date Prepared:	06/21/2010 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 &amp; Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Client Sample ID: 061710-TPGW-3D

Lab Sample ID: 660-35826-3

Date Sampled: 06/17/2010 1225

Client Matrix: Water

Date Received: 06/18/2010 0820

**6010B Metals (ICP)-Total Recoverable**

Method:	6010B	Analysis Batch: 660-96549	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96364	Lab File ID:	10F29A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 1141		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 1034			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	640		1.0	5.0
Magnesium	1800		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5800		100	500
Strontium	12000		10	50

Method:	6010B	Analysis Batch: 660-96549	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96364	Lab File ID:	10F29A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 1147	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 1034			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	490		38	200
Sodium	14000		62	100

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Client Sample ID: 061710-TPGW-12S

Lab Sample ID: 660-35826-4

Client Matrix: Water

Date Sampled: 06/17/2010 1555

Date Received: 06/18/2010 0820

## 200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch:	640-70408	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch:	640-70149	Lab File ID:	062910.csv
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 0837			Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	28	I	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	160	I	27	500
Lead	24	U	24	50
Manganese	14	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	6.2	I	5.2	100
Zinc	18	I	17	200

## 200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch:	680-172919	Instrument ID:	Varian ICP
Preparation:	N/A			Lab File ID:	E06292010_SI.csv
Dilution:	1.0			Initial Weight/Volume:	
Date Analyzed:	06/29/2010 1413			Final Weight/Volume:	1.0 mL
Date Prepared:					

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	6300		50	500

## 245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch:	660-96199	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch:	660-96156	Lab File ID:	10F21PS.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/21/2010 1537			Final Weight/Volume:	25 mL
Date Prepared:	06/21/2010 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: 660-35826-1

Sdg Number: 35826

Client Sample ID: 061710-TPGW-12S

Lab Sample ID: 660-35826-4

Client Matrix: Water

Date Sampled: 06/17/2010 1555

Date Received: 06/18/2010 0820

## 6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch:	660-96549	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch:	660-96364	Lab File ID:	10F29A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 1153			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 1034				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	450		1.0	5.0
Potassium	440		1.9	10
Magnesium	980		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	3200		100	500
Strontium	7200		10	50

Method:	6010B	Analysis Batch:	660-96549	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch:	660-96364	Lab File ID:	10F29A
Dilution:	200			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 1159	Run Type:	DL	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 1034				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	7700		62	100

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Client Sample ID: 061710-TPGW-12M

Lab Sample ID: 660-35826-5

Client Matrix: Water

Date Sampled: 06/17/2010 1630

Date Received: 06/18/2010 0820

## 200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70408	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70149	Lab File ID:	062910.csv
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 0842		Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	130		8.1	100
Beryllium	1.8	U	1.8	40
Cadmium	3.8	U	3.8	50
Copper	3.3	U	3.3	100
Iron	1500		27	500
Lead	24	U	24	50
Manganese	43	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	15	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: 680-172919	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E06292010_SI.csv
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	06/29/2010 1416		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	5200		50	500

## 245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 660-96199	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-96156	Lab File ID:	10F21PS.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	06/21/2010 1539		Final Weight/Volume:	25 mL
Date Prepared:	06/21/2010 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: 660-35826-1

Sdg Number: 35826

Client Sample ID: 061710-TPGW-12M

Lab Sample ID: 660-35826-5

Client Matrix: Water

Date Sampled: 06/17/2010 1630

Date Received: 06/18/2010 0820

## 6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96549	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96364	Lab File ID:	10F29A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 1205		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 1034			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	590		1.0	5.0
Magnesium	1700		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5300		100	500
Strontium	11000		10	50

Method:	6010B	Analysis Batch: 660-96549	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96364	Lab File ID:	10F29A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 1211	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 1034			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	470		38	200
Sodium	13000		62	100

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Client Sample ID: 061710-FB1

Lab Sample ID: 660-35826-6

Client Matrix: Water

Date Sampled: 06/17/2010 1500

Date Received: 06/18/2010 0820

## 200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch:	640-70371	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch:	640-70149	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1311			Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	1.2	U	1.2	8.0
Barium	0.81	U	0.81	10
Beryllium	0.18	U	0.18	4.0
Cadmium	0.38	U	0.38	5.0
Copper	0.33	U	0.33	10
Iron	2.7	U	2.7	50
Lead	2.4	U	2.4	5.0
Manganese	0.46	U	0.46	10
Molybdenum	0.47	U	0.47	10
Nickel	1.4	U	1.4	20
Selenium	3.4	U	3.4	10
Thallium	1.6	U	1.6	10
Vanadium	0.52	U	0.52	10
Zinc	2.6	I	1.7	20

## 200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch:	680-172919	Instrument ID:	Varian ICP
Preparation:	N/A			Lab File ID:	E06292010_SI.csv
Dilution:	1.0			Initial Weight/Volume:	
Date Analyzed:	06/29/2010 1419			Final Weight/Volume:	1.0 mL
Date Prepared:					

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

## 245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch:	660-96199	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch:	660-96156	Lab File ID:	10F21PS.PRN
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/21/2010 1541			Final Weight/Volume:	25 mL
Date Prepared:	06/21/2010 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: 660-35826-1

Sdg Number: 35826

Client Sample ID: 061710-FB1

Lab Sample ID: 660-35826-6

Client Matrix: Water

Date Sampled: 06/17/2010 1500

Date Received: 06/18/2010 0820

## 6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch:	660-96549	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch:	660-96364	Lab File ID:	10F29A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 1217			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 1034				

Analyte	Result (mg/L)	Qualifier	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

  

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

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

## General Chemistry

Client Sample ID: 061710-TPGW-3S

Lab Sample ID: 660-35826-1

Client Matrix: Water

Date Sampled: 06/17/2010 1105

Date Received: 06/18/2010 0820

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	83		mg/L	2.7	5.0	100	300.0
	Analysis Batch: 660-96810	Date Analyzed: 07/02/2010 2241					
Chloride	24000		mg/L	200	500	1000	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010 2116					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010 1729					
Sulfate	3200		mg/L	20	50	100	300.0
	Analysis Batch: 660-96810	Date Analyzed: 07/02/2010 2241					
Nitrogen, Kjeldahl	1.2		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96563	Date Analyzed: 06/29/2010 1128					
	Prep Batch: 660-96483	Date Prepared: 06/28/2010 1030					
Nitrate Nitrite as N	0.0047	U	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70268	Date Analyzed: 06/24/2010 1244					
Phosphorus	0.097	I	mg/L	0.044	0.10	10	365.1
	Analysis Batch: 640-70261	Date Analyzed: 06/23/2010 1646					
	Prep Batch: 640-70184	Date Prepared: 06/22/2010 1618					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96145	Date Analyzed: 06/18/2010 0920					
Ammonia	1.0		mg/L	0.052	0.10	2.0	SM 4500 NH3
	Analysis Batch: 680-173280	Date Analyzed: 07/02/2010 1114					
	Prep Batch: 680-173212	Date Prepared: 07/01/2010 1522					
ortho-Phosphate-Dissolved	0.36	I Q	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70218	Date Analyzed: 06/19/2010 2227					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic	83		mg/L	1.0	1.0	1.0	9060
Carbon-Dissolved							
	Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127					
Alkalinity	330		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1439					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1439					
Total Dissolved Solids	44000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96160	Date Analyzed: 06/21/2010 1049					
Sulfide	4.8		mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96141	Date Analyzed: 06/19/2010 1100					
Nitrogen, Total	1.2		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70159	Date Analyzed: 06/28/2010 0800					
Unionized Ammonia	0.0042		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-173708	Date Analyzed: 07/09/2010 1341					



# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

## General Chemistry

Client Sample ID: 061710-TPGW-3M

Lab Sample ID: 660-35826-2

Client Matrix: Water

Date Sampled: 06/17/2010 1130

Date Received: 06/18/2010 0820

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	89		mg/L	2.7	5.0	100	300.0
	Analysis Batch: 660-96810	Date Analyzed: 07/02/2010 2302					
Chloride	26000		mg/L	200	500	1000	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010 2134					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010 1746					
Sulfate	3400		mg/L	20	50	100	300.0
	Analysis Batch: 660-96810	Date Analyzed: 07/02/2010 2302					
Nitrogen, Kjeldahl	1.1		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96425	Date Analyzed: 06/25/2010 0925					
	Prep Batch: 660-96403	Date Prepared: 06/24/2010 1729					
Nitrate Nitrite as N	0.016		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70268	Date Analyzed: 06/24/2010 1209					
Phosphorus	0.079	I	mg/L	0.044	0.10	10	365.1
	Analysis Batch: 640-70261	Date Analyzed: 06/23/2010 1648					
	Prep Batch: 640-70184	Date Prepared: 06/22/2010 1618					
Chromium (hexavalent)	2.0	U J3	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96145	Date Analyzed: 06/18/2010 0920					
Ammonia	1.4		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-173280	Date Analyzed: 07/02/2010 1047					
	Prep Batch: 680-173212	Date Prepared: 07/01/2010 1522					
ortho-Phosphate-Dissolved	0.13	I Q	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70218	Date Analyzed: 06/19/2010 2228					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic	55		mg/L	1.0	1.0	1.0	9060
Carbon-Dissolved	Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127					
Alkalinity	220		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1445					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1445					
Total Dissolved Solids	48000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96160	Date Analyzed: 06/21/2010 1051					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96141	Date Analyzed: 06/19/2010 1100					
Nitrogen, Total	1.1		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70159	Date Analyzed: 06/28/2010 0800					
Unionized Ammonia	0.0019		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-173708	Date Analyzed: 07/09/2010 1341					

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

## General Chemistry

Client Sample ID: 061710-TPGW-3D

Lab Sample ID: 660-35826-3

Client Matrix: Water

Date Sampled: 06/17/2010 1225

Date Received: 06/18/2010 0820

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	87		mg/L	2.7	5.0	100	300.0
	Analysis Batch: 660-96810	Date Analyzed: 07/02/2010 2324					
Chloride	26000		mg/L	200	500	1000	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010 2151					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010 1804					
Sulfate	3500		mg/L	20	50	100	300.0
	Analysis Batch: 660-96810	Date Analyzed: 07/02/2010 2324					
Nitrogen, Kjeldahl	1.6		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96425	Date Analyzed: 06/25/2010 0925					
	Prep Batch: 660-96403	Date Prepared: 06/24/2010 1729					
Nitrate Nitrite as N	0.014		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70268	Date Analyzed: 06/24/2010 1210					
Phosphorus	0.080	I	mg/L	0.044	0.10	10	365.1
	Analysis Batch: 640-70261	Date Analyzed: 06/23/2010 1649					
	Prep Batch: 640-70184	Date Prepared: 06/22/2010 1618					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96145	Date Analyzed: 06/18/2010 0920					
Ammonia	1.4		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-173280	Date Analyzed: 07/02/2010 1047					
	Prep Batch: 680-173212	Date Prepared: 07/01/2010 1522					
ortho-Phosphate-Dissolved	0.12	I Q	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70218	Date Analyzed: 06/19/2010 2229					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic	87		mg/L	1.0	1.0	1.0	9060
Carbon-Dissolved	Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127					
Alkalinity	220		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1451					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1451					
Total Dissolved Solids	47000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96160	Date Analyzed: 06/21/2010 1051					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96141	Date Analyzed: 06/19/2010 1100					
Nitrogen, Total	1.6		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70159	Date Analyzed: 06/28/2010 0800					
Unionized Ammonia	0.0092		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-173708	Date Analyzed: 07/09/2010 1341					

## Analytical Data

Client: Florida Power &amp; Light Company

Job Number: 660-35826-1

Sdg Number: 35826

## General Chemistry

Client Sample ID: 061710-TPGW-12S

Lab Sample ID: 660-35826-4

Client Matrix: Water

Date Sampled: 06/17/2010 1555

Date Received: 06/18/2010 0820

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	50		mg/L	2.7	5.0	100	300.0
	Analysis Batch: 660-96810	Date Analyzed: 07/02/2010	2346				
Chloride	14000		mg/L	200	500	1000	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010	2209				
Fluoride	0.17	I	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010	1821				
Sulfate	1900		mg/L	20	50	100	300.0
	Analysis Batch: 660-96810	Date Analyzed: 07/02/2010	2346				
Nitrogen, Kjeldahl	1.1		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96425	Date Analyzed: 06/25/2010	0925				
	Prep Batch: 660-96403	Date Prepared: 06/24/2010	1729				
Nitrate Nitrite as N	0.0052	I J3	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70268	Date Analyzed: 06/24/2010	1212				
Phosphorus	0.061	I	mg/L	0.044	0.10	10	365.1
	Analysis Batch: 640-70261	Date Analyzed: 06/23/2010	1651				
	Prep Batch: 640-70184	Date Prepared: 06/22/2010	1618				
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96145	Date Analyzed: 06/18/2010	0920				
Ammonia	0.76		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-173280	Date Analyzed: 07/02/2010	1047				
	Prep Batch: 680-173212	Date Prepared: 07/01/2010	1522				
ortho-Phosphate-Dissolved	0.094	I Q	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70218	Date Analyzed: 06/19/2010	2231				
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	130		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172887	Date Analyzed: 06/28/2010	1127				
Alkalinity	510		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010	1459				
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010	1459				
Total Dissolved Solids	26000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96160	Date Analyzed: 06/21/2010	1052				
Sulfide	22		mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96141	Date Analyzed: 06/19/2010	1100				
Nitrogen, Total	1.1		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70159	Date Analyzed: 06/28/2010	0800				
Unionized Ammonia	0.69		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-173708	Date Analyzed: 07/09/2010	1341				

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

## General Chemistry

Client Sample ID: 061710-TPGW-12M

Lab Sample ID: 660-35826-5

Client Matrix: Water

Date Sampled: 06/17/2010 1630

Date Received: 06/18/2010 0820

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	81		mg/L	2.7	5.0	100	300.0
	Analysis Batch: 660-96810	Date Analyzed: 07/03/2010 0007					
Chloride	24000		mg/L	200	500	1000	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010 2226					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010 1839					
Sulfate	3100		mg/L	20	50	100	300.0
	Analysis Batch: 660-96810	Date Analyzed: 07/03/2010 0007					
Nitrogen, Kjeldahl	1.4		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96425	Date Analyzed: 06/25/2010 0925					
	Prep Batch: 660-96403	Date Prepared: 06/24/2010 1729					
Nitrate Nitrite as N	0.016		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70268	Date Analyzed: 06/24/2010 1222					
Phosphorus	0.058	I J3	mg/L	0.044	0.10	10	365.1
	Analysis Batch: 640-70261	Date Analyzed: 06/23/2010 1703					
	Prep Batch: 640-70184	Date Prepared: 06/22/2010 1618					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96145	Date Analyzed: 06/18/2010 0920					
Ammonia	1.2		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-173280	Date Analyzed: 07/02/2010 1047					
	Prep Batch: 680-173212	Date Prepared: 07/01/2010 1522					
ortho-Phosphate-Dissolved	0.11	I Q	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70218	Date Analyzed: 06/19/2010 2235					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic	49		mg/L	1.0	1.0	1.0	9060
Carbon-Dissolved	Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127					
Alkalinity	190		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1547					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1547					
Total Dissolved Solids	44000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96160	Date Analyzed: 06/21/2010 1052					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96141	Date Analyzed: 06/19/2010 1100					
Nitrogen, Total	1.4		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70159	Date Analyzed: 06/28/2010 0800					
Unionized Ammonia	0.0098		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-173708	Date Analyzed: 07/09/2010 1341					

## Analytical Data

Client: Florida Power &amp; Light Company

Job Number: 660-35826-1

Sdg Number: 35826

## General Chemistry

Client Sample ID: 061710-FB1

Lab Sample ID: 660-35826-6

Client Matrix: Water

Date Sampled: 06/17/2010 1500

Date Received: 06/18/2010 0820

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	0.027	U	mg/L	0.027	0.050	1.0	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010 2024					
Chloride	0.20	U	mg/L	0.20	0.50	1.0	300.0
	Analysis Batch: 660-96963	Date Analyzed: 07/08/2010 1646					
Fluoride	0.020	U	mg/L	0.020	0.050	1.0	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010 2024					
Sulfate	0.20	U	mg/L	0.20	0.50	1.0	300.0
	Analysis Batch: 660-96810	Date Analyzed: 07/02/2010 2219					
Nitrogen, Kjeldahl	0.11	I	mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-96425	Date Analyzed: 06/25/2010 0925					
	Prep Batch: 660-96403	Date Prepared: 06/24/2010 1729					
Nitrate Nitrite as N	0.0068	I	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70268	Date Analyzed: 06/24/2010 1224					
Phosphorus	0.0044	U	mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70261	Date Analyzed: 06/23/2010 1707					
	Prep Batch: 640-70184	Date Prepared: 06/22/2010 1618					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96145	Date Analyzed: 06/18/2010 0920					
Ammonia	0.048	I	mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-173280	Date Analyzed: 07/02/2010 1055					
	Prep Batch: 680-173212	Date Prepared: 07/01/2010 1522					
ortho-Phosphate-Dissolved	0.053	I Q	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70218	Date Analyzed: 06/19/2010 2239					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	1.0	U	mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172887	Date Analyzed: 06/30/2010 1127					
Alkalinity	2.0		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1558					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1558					
Total Dissolved Solids	5.0	U	mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 660-96160	Date Analyzed: 06/21/2010 1053					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96141	Date Analyzed: 06/19/2010 1100					
Nitrogen, Total	0.21	U	mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70159	Date Analyzed: 06/28/2010 0800					

**Analytical Data**

Client: Florida Power &amp; Light Company

Job Number: 660-35826-1

Sdg Number: 35826

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**Field Service / Mobile Lab****Client Sample ID: 061710-TPGW-3S**

Lab Sample ID: 660-35826-1

Client Matrix: Water

Date Sampled: 06/17/2010 1105

Date Received: 06/18/2010 0820

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.74		SU	1.0	Field Sampling	660-97058	06/17/2010 1105
Field Temperature	26.52		Degrees C	1.0	Field Sampling	660-97058	06/17/2010 1105
Oxygen, Dissolved	0.9		mg/L	1.0	Field Sampling	660-97058	06/17/2010 1105
Specific Conductance	51890		umhos/cm	1.0	Field Sampling	660-97058	06/17/2010 1105
Turbidity	0.35		NTU	1.0	Field Sampling	660-97058	06/17/2010 1105

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

## Field Service / Mobile Lab

Client Sample ID: 061710-TPGW-3M

Lab Sample ID: 660-35826-2

Client Matrix: Water

Date Sampled: 06/17/2010 1130

Date Received: 06/18/2010 0820

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.99		SU	1.0	Field Sampling	660-97058	06/17/2010 1130
Field Temperature	27.04		Degrees C	1.0	Field Sampling	660-97058	06/17/2010 1130
Oxygen, Dissolved	2.7		mg/L	1.0	Field Sampling	660-97058	06/17/2010 1130
Specific Conductance	62250		umhos/cm	1.0	Field Sampling	660-97058	06/17/2010 1130
Turbidity	0.53		NTU	1.0	Field Sampling	660-97058	06/17/2010 1130

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

## Field Service / Mobile Lab

Client Sample ID: 061710-TPGW-3D

Lab Sample ID: 660-35826-3

Client Matrix: Water

Date Sampled: 06/17/2010 1225

Date Received: 06/18/2010 0820

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.92		SU	1.0	Field Sampling	660-97058	06/17/2010 1225
Field Temperature	26.96		Degrees C	1.0	Field Sampling	660-97058	06/17/2010 1225
Oxygen, Dissolved	2.4		mg/L	1.0	Field Sampling	660-97058	06/17/2010 1225
Specific Conductance	55570		umhos/cm	1.0	Field Sampling	660-97058	06/17/2010 1225
Turbidity	2.30		NTU	1.0	Field Sampling	660-97058	06/17/2010 1225



# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

## Field Service / Mobile Lab

Client Sample ID: 061710-TPGW-12S

Lab Sample ID: 660-35826-4

Client Matrix: Water

Date Sampled: 06/17/2010 1555

Date Received: 06/18/2010 0820

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.65		SU	1.0	Field Sampling	660-97058	06/17/2010 1555
Field Temperature	27.16		Degrees C	1.0	Field Sampling	660-97058	06/17/2010 1555
Oxygen, Dissolved	5.0		mg/L	1.0	Field Sampling	660-97058	06/17/2010 1555
Specific Conductance	37380		umhos/cm	1.0	Field Sampling	660-97058	06/17/2010 1555
Turbidity	0.44		NTU	1.0	Field Sampling	660-97058	06/17/2010 1555

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

## Field Service / Mobile Lab

Client Sample ID: 061710-TPGW-12M

Lab Sample ID: 660-35826-5

Client Matrix: Water

Date Sampled: 06/17/2010 1630

Date Received: 06/18/2010 0820

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.02		SU	1.0	Field Sampling	660-97058	06/17/2010 1630
Field Temperature	26.85		Degrees C	1.0	Field Sampling	660-97058	06/17/2010 1630
Oxygen, Dissolved	2.6		mg/L	1.0	Field Sampling	660-97058	06/17/2010 1630
Specific Conductance	52270		umhos/cm	1.0	Field Sampling	660-97058	06/17/2010 1630
Turbidity	0.28		NTU	1.0	Field Sampling	660-97058	06/17/2010 1630

## DATA REPORTING QUALIFIERS

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

Lab Section	Qualifier	Description
Metals		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	Q	Sample held beyond the accepted holding time.
	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: 660-35826-1  
Sdg Number: 35826

### Method Blank - Batch: 680-172919

Method: 200.7 Rev 4.4  
Preparation: N/A

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

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

Instrument ID: Varian ICP  
Lab File ID: E06292010\_SI.csv  
Initial Weight/Volume:  
Final Weight/Volume: 1.0 mL

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

### Lab Control Sample - Batch: 680-172919

Method: 200.7 Rev 4.4  
Preparation: N/A

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

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

Instrument ID: Varian ICP  
Lab File ID: E06292010\_SI.csv  
Initial Weight/Volume:  
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
SiO2, Silica	10000	9840	98	85 - 115	

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 680-172919

Method: 200.7 Rev 4.4  
Preparation: N/A

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

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

Instrument ID: Varian ICP  
Lab File ID: E06292010\_SI.csv  
Initial Weight/Volume:  
Final Weight/Volume: 1.0 mL

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

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

Instrument ID: Varian ICP  
Lab File ID: E06292010\_SI.csv  
Initial Weight/Volume:  
Final Weight/Volume: 1.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
SiO2, Silica	96	99	75 - 125	2	20		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

### Method Blank - Batch: 640-70149

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

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

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

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

Analyte	Result	Qual	MDL	PQL
Arsenic	1.2	U	1.2	8.0
Barium	0.81	U	0.81	10
Beryllium	0.18	U	0.18	4.0
Cadmium	0.38	U	0.38	5.0
Copper	0.33	U	0.33	10
Iron	2.7	U	2.7	50
Lead	2.4	U	2.4	5.0
Manganese	0.46	U	0.46	10
Molybdenum	0.47	U	0.47	10
Nickel	1.4	U	1.4	20
Selenium	3.4	U	3.4	10
Thallium	1.6	U	1.6	10
Vanadium	0.52	U	0.52	10
Zinc	1.7	U	1.7	20

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

### Lab Control Sample/

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

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

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

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

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

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

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

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

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

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

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

Method: 200.7 Rev 4.4  
Preparation: 200.7  
Total Recoverable

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

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

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

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

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

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

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

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

**Duplicate - Batch: 640-70149**

**Method: 200.7 Rev 4.4**

**Preparation: 200.7**

**Total Recoverable**

Lab Sample ID: 660-35826-2

Analysis Batch: 640-70408

Instrument ID: ICP2

Client Matrix: Water

Prep Batch: 640-70149

Lab File ID: 062910.csv

Dilution: 10

Units: ug/L

Initial Weight/Volume: 50 mL

Date Analyzed: 06/29/2010 0828

Final Weight/Volume: 50 mL

Date Prepared: 06/22/2010 1000

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	12	U	12	NC	20	U
Barium	110		85.5	26	20	I J3
Beryllium	1.8	U	1.8	NC	20	U
Cadmium	3.8	U	3.8	NC	20	U
Copper	3.3	U	3.3	NC	20	U
Iron	1700		1690	1	20	
Lead	24	U	24	NC	20	U
Manganese	54	I	53.5	1	20	I
Molybdenum	4.7	U	4.7	NC	20	U
Nickel	14	U	38.0	NC	20	I
Selenium	34	U	34	NC	20	U
Thallium	16	U	16	NC	20	U
Vanadium	13	I	14.0	10	20	I
Zinc	17	U	17	NC	20	U



## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

### Method Blank - Batch: 660-96156

Method: 245.1  
Preparation: 245.1

Lab Sample ID: MB 660-96156/1-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/21/2010 1506  
Date Prepared: 06/21/2010 0900

Analysis Batch: 660-96199  
Prep Batch: 660-96156  
Units: ug/L

Instrument ID: PS200II  
Lab File ID: 10F21PS.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: 660-96156

Method: 245.1  
Preparation: 245.1

Lab Sample ID: LCS 660-96156/2-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/21/2010 1508  
Date Prepared: 06/21/2010 0900

Analysis Batch: 660-96199  
Prep Batch: 660-96156  
Units: ug/L

Instrument ID: PS200II  
Lab File ID: 10F21PS.PRN  
Initial Weight/Volume: 25 mL  
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	1.09	109	85 - 115	

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96156

Method: 245.1  
Preparation: 245.1

MS Lab Sample ID: 660-35802-G-1-B MS  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/21/2010 1514  
Date Prepared: 06/21/2010 0900

Analysis Batch: 660-96199  
Prep Batch: 660-96156

Instrument ID: PS200II  
Lab File ID: 10F21PS.PRN  
Initial Weight/Volume: 25 mL  
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 660-35802-G-1-C MSD  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/21/2010 1516  
Date Prepared: 06/21/2010 0900

Analysis Batch: 660-96199  
Prep Batch: 660-96156

Instrument ID: PS200II  
Lab File ID: 10F21PS.PRN  
Initial Weight/Volume: 25 mL  
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	95	82	85 - 115	13	20		J3

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

### Method Blank - Batch: 660-96364

Lab Sample ID: MB 660-96364/1-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1029  
Date Prepared: 06/24/2010 1034

Analysis Batch: 660-96549  
Prep Batch: 660-96364  
Units: mg/L

Method: 6010B  
Preparation: 3005A  
Total Recoverable

Instrument ID: ICPA  
Lab File ID: 10F29A  
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: 660-96364

Lab Sample ID: MB 660-96364/1-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1029  
Date Prepared: 06/24/2010 1034

Analysis Batch: 660-96549  
Prep Batch: 660-96364  
Units: ug/L

Method: 6010B  
Preparation: 3005A  
Total Recoverable

Instrument ID: ICPA  
Lab File ID: 10F29A  
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: 660-35826-1  
Sdg Number: 35826

### Lab Control Sample - Batch: 660-96364

Lab Sample ID: LCS 660-96364/2-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1035  
Date Prepared: 06/24/2010 1034

Analysis Batch: 660-96549  
Prep Batch: 660-96364  
Units: mg/L

Method: 6010B  
Preparation: 3005A  
Total Recoverable

Instrument ID: ICPA  
Lab File ID: 10F29A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
	1.00	1.08	108	75 - 125	
Calcium	10.0	8.89	89	75 - 125	
Potassium	1.00	1.03	103	75 - 125	
Magnesium	10.0	9.76	98	75 - 125	
Sodium					

### Lab Control Sample - Batch: 660-96364

Lab Sample ID: LCS 660-96364/2-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1035  
Date Prepared: 06/24/2010 1034

Analysis Batch: 660-96549  
Prep Batch: 660-96364  
Units: ug/L

Method: 6010B  
Preparation: 3005A  
Total Recoverable

Instrument ID: ICPA  
Lab File ID: 10F29A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

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

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

### Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96364

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-35826-1  
Client Matrix: Water  
Dilution: 10  
Date Analyzed: 06/29/2010 1053  
Date Prepared: 06/24/2010 1034

Analysis Batch: 660-96549  
Prep Batch: 660-96364

Instrument ID: ICPA  
Lab File ID: 10F29A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35826-1  
Client Matrix: Water  
Dilution: 10  
Date Analyzed: 06/29/2010 1059  
Date Prepared: 06/24/2010 1034

Analysis Batch: 660-96549  
Prep Batch: 660-96364

Instrument ID: ICPA  
Lab File ID: 10F29A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Calcium	-17100	-18100	75 - 125	2	20	J3	J3
Potassium	3660	3450	75 - 125	3	20	J3	J3
Magnesium	5760	2790	75 - 125	2	20	J3	J3
Sodium	30600	27800	75 - 125	2	20	J3	J3

### Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96364

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-35826-1  
Client Matrix: Water  
Dilution: 10  
Date Analyzed: 06/29/2010 1053  
Date Prepared: 06/24/2010 1034

Analysis Batch: 660-96549  
Prep Batch: 660-96364

Instrument ID: ICPA  
Lab File ID: 10F29A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35826-1  
Client Matrix: Water  
Dilution: 10  
Date Analyzed: 06/29/2010 1059  
Date Prepared: 06/24/2010 1034

Analysis Batch: 660-96549  
Prep Batch: 660-96364

Instrument ID: ICPA  
Lab File ID: 10F29A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Boron	612	601	75 - 125	2	20	J3	J3
Strontium	1230	1200	75 - 125	2	20	J3	J3

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

### Method Blank - Batch: 660-96756

Method: 300.0  
Preparation: N/A

Lab Sample ID: MB 660-96756/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/01/2010 1636  
Date Prepared: N/A

Analysis Batch: 660-96756  
Prep Batch: N/A  
Units: mg/L

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

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

### Lab Control Sample - Batch: 660-96756

Method: 300.0  
Preparation: N/A

Lab Sample ID: LCS 660-96756/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/01/2010 1654  
Date Prepared: N/A

Analysis Batch: 660-96756  
Prep Batch: N/A  
Units: mg/L

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

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	1.00	100	90 - 110	
Chloride	10.0	10.6	106	90 - 110	
Fluoride	1.00	1.07	107	90 - 110	

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96756

Method: 300.0  
Preparation: N/A

MS Lab Sample ID: 660-35934-E-1 MS  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/01/2010 1914  
Date Prepared: N/A

Analysis Batch: 660-96756  
Prep Batch: N/A

Instrument ID: DIONEX 1  
Lab File ID: 19.0000.TXT  
Initial Weight/Volume:  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35934-E-1 MSD  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/01/2010 1931  
Date Prepared: N/A

Analysis Batch: 660-96756  
Prep Batch: N/A

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	83	84	90 - 110	1	30	J3	J3
Fluoride	84	83	90 - 110	1	30	J3	J3

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96756

Method: 300.0  
Preparation: N/A

MS Lab Sample ID: 660-35826-5  
Client Matrix: Water  
Dilution: 1000  
Date Analyzed: 07/01/2010 2244  
Date Prepared: N/A

Analysis Batch: 660-96756  
Prep Batch: N/A

Instrument ID: DIONEX 1  
Lab File ID: 31.0000.TXT  
Initial Weight/Volume:  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35826-5  
Client Matrix: Water  
Dilution: 1000  
Date Analyzed: 07/01/2010 2301  
Date Prepared: N/A

Analysis Batch: 660-96756  
Prep Batch: N/A

Instrument ID: DIONEX 1  
Lab File ID: 32.0000.TXT  
Initial Weight/Volume:  
Final Weight/Volume: 50 mL

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

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

### Method Blank - Batch: 660-96810

Method: 300.0  
Preparation: N/A

Lab Sample ID: MB 660-96810/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/02/2010 1604  
Date Prepared: N/A

Analysis Batch: 660-96810  
Prep Batch: N/A  
Units: mg/L

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

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

### Lab Control Sample - Batch: 660-96810

Method: 300.0  
Preparation: N/A

Lab Sample ID: LCS 660-96810/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/02/2010 1626  
Date Prepared: N/A

Analysis Batch: 660-96810  
Prep Batch: N/A  
Units: mg/L

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

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	1.02	102	90 - 110	
Fluoride	1.00	1.00	100	90 - 110	
Sulfate	10.0	10.3	103	90 - 110	

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

### Method Blank - Batch: 660-96875

Method: 300.0  
Preparation: N/A

Lab Sample ID: MB 660-96875/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/06/2010 1740  
Date Prepared: N/A

Analysis Batch: 660-96875  
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
Fluoride	0.020	U	0.020	0.050
Sulfate	0.20	U	0.20	0.50

### Lab Control Sample - Batch: 660-96875

Method: 300.0  
Preparation: N/A

Lab Sample ID: LCS 660-96875/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/06/2010 1801  
Date Prepared: N/A

Analysis Batch: 660-96875  
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
Fluoride	1.00	0.925	92	90 - 110	
Sulfate	10.0	10.1	101	90 - 110	



## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

### Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96875

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-35992-B-3 MS ^20  
Client Matrix: Water  
Dilution: 20  
Date Analyzed: 07/07/2010 0336  
Date Prepared: N/A

Analysis Batch: 660-96875  
Prep Batch: N/A

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

MSD Lab Sample ID: 660-35992-B-3 MSD ^20  
Client Matrix: Water  
Dilution: 20  
Date Analyzed: 07/07/2010 0357  
Date Prepared: N/A

Analysis Batch: 660-96875  
Prep Batch: N/A

Instrument ID: DIONEX2  
Lab File ID: 34.0000.TXT  
Initial Weight/Volume:  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Sulfate	102	102	90 - 110	0	30		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

### Method Blank - Batch: 660-96963

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-96963/3

Analysis Batch: 660-96963

Instrument ID: DIONEX2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: 10.0000.TXT

Dilution: 1.0

Units: mg/L

Initial Weight/Volume:

Date Analyzed: 07/08/2010 1602

Final Weight/Volume: 1 mL

Date Prepared: N/A

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

### Lab Control Sample - Batch: 660-96963

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-96963/4

Analysis Batch: 660-96963

Instrument ID: DIONEX2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: 11.0000.TXT

Dilution: 1.0

Units: mg/L

Initial Weight/Volume:

Date Analyzed: 07/08/2010 1624

Final Weight/Volume: 1 mL

Date Prepared: N/A

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	0.964	96	90 - 110	
Chloride	10.0	9.94	99	90 - 110	

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 660-96963

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-35845-E-5 MS ^5  
Client Matrix: Water  
Dilution: 5.0  
Date Analyzed: 07/08/2010 1729  
Date Prepared: N/A

Analysis Batch: 660-96963  
Prep Batch: N/A

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

MSD Lab Sample ID: 660-35845-E-5 MSD ^5  
Client Matrix: Water  
Dilution: 5.0  
Date Analyzed: 07/08/2010 1751  
Date Prepared: N/A

Analysis Batch: 660-96963  
Prep Batch: N/A

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	96	97	90 - 110	0	30		
Chloride	103	102	90 - 110	1	30		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

### Method Blank - Batch: 660-96403

Method: 351.2  
Preparation: 351.2

Lab Sample ID: MB 660-96403/10-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/25/2010 0925  
Date Prepared: 06/24/2010 1729

Analysis Batch: 660-96425  
Prep Batch: 660-96403  
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: 660-96403

Method: 351.2  
Preparation: 351.2

Lab Sample ID: LCS 660-96403/11-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/25/2010 0925  
Date Prepared: 06/24/2010 1729

Analysis Batch: 660-96425  
Prep Batch: 660-96403  
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	3.07	102	90 - 110	

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96403

Method: 351.2  
Preparation: 351.2

MS Lab Sample ID: 660-35922-A-1-B MS  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/25/2010 0925  
Date Prepared: 06/24/2010 1729

Analysis Batch: 660-96425  
Prep Batch: 660-96403

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

MSD Lab Sample ID: 660-35922-A-1-C MSD  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/25/2010 0925  
Date Prepared: 06/24/2010 1729

Analysis Batch: 660-96425  
Prep Batch: 660-96403

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitrogen, Kjeldahl	101	97	90 - 110	3	30		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

### Method Blank - Batch: 660-96483

Method: 351.2  
Preparation: 351.2

Lab Sample ID: MB 660-96483/10-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1128  
Date Prepared: 06/28/2010 1030

Analysis Batch: 660-96563  
Prep Batch: 660-96483  
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: 660-96483

Method: 351.2  
Preparation: 351.2

Lab Sample ID: LCS 660-96483/11-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1128  
Date Prepared: 06/28/2010 1030

Analysis Batch: 660-96563  
Prep Batch: 660-96483  
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	3.12	104	90 - 110	

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96483

Method: 351.2  
Preparation: 351.2

MS Lab Sample ID: 660-35871-M-1-B MS  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1128  
Date Prepared: 06/28/2010 1030

Analysis Batch: 660-96563  
Prep Batch: 660-96483

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

MSD Lab Sample ID: 660-35871-M-1-C MSD  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1128  
Date Prepared: 06/28/2010 1030

Analysis Batch: 660-96563  
Prep Batch: 660-96483

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	98	101	90 - 110	2	30		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

### Method Blank - Batch: 640-70268

Method: 353.2  
Preparation: N/A

Lab Sample ID: MB 640-70268/30  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1138  
Date Prepared: N/A

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

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

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

### Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 640-70268

Method: 353.2  
Preparation: N/A

LCS Lab Sample ID: LCS 640-70268/31  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1140  
Date Prepared: N/A

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

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

LCSD Lab Sample ID: LCSD 640-70268/32  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1144  
Date Prepared: N/A

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

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

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Nitrate Nitrite as N	108	108	90 - 110	0	30		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 640-70268

Method: 353.2

Preparation: N/A

MS Lab Sample ID: 660-35826-4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1220  
Date Prepared: N/A

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

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

MSD Lab Sample ID: 660-35826-4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1221  
Date Prepared: N/A

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

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitrate Nitrite as N	134	126	90 - 110	6	30	J3	J3

### Duplicate - Batch: 640-70268

Method: 353.2

Preparation: N/A

Lab Sample ID: 640-28468-C-1 DU  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1146  
Date Prepared: N/A

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

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

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Nitrate Nitrite as N	1.5	1.49	1	30	

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

### Method Blank - Batch: 640-70184

Method: 365.1

Preparation: 365.2/365.3/365

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

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

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

Analyte	Result	Qual	MDL	PQL
Phosphorus	0.0044	U	0.0044	0.010

### Lab Control Sample/

### Lab Control Sample Duplicate Recovery Report - Batch: 640-70184

Method: 365.1

Preparation: 365.2/365.3/365

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

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

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

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

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

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

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



## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1

Sdg Number: 35826

### Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70184

Method: 365.1

Preparation: 365.2/365.3/365

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

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

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

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

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

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phosphorus	417	520	90 - 110	20	30	J3	J3

### Duplicate - Batch: 640-70184

Method: 365.1

Preparation: 365.2/365.3/365

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

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

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

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

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

**Method Blank - Batch: 680-172887**

**Method: 9060**  
**Preparation: N/A**

Lab Sample ID: MB 680-172887/1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1127  
Date Prepared: N/A

Analysis Batch: 680-172887  
Prep Batch: N/A  
Units: mg/L

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

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

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

### Method Blank - Batch: 660-96198

Method: SM 2320B  
Preparation: N/A

Lab Sample ID: MB 660-96198/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/21/2010 1342  
Date Prepared: N/A

Analysis Batch: 660-96198  
Prep Batch: N/A  
Units: mg/L

Instrument ID: MANTECH  
Lab File ID: 6.21.10a.txt  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Alkalinity	1.0	U	1.0	1.0

### Lab Control Sample - Batch: 660-96198

Method: SM 2320B  
Preparation: N/A

Lab Sample ID: LCS 660-96198/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/21/2010 1349  
Date Prepared: N/A

Analysis Batch: 660-96198  
Prep Batch: N/A  
Units: mg/L

Instrument ID: MANTECH  
Lab File ID: 6.21.10a.txt  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

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

### Duplicate - Batch: 660-96198

Method: SM 2320B  
Preparation: N/A

Lab Sample ID: 660-35826-5  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/21/2010 1554  
Date Prepared: N/A

Analysis Batch: 660-96198  
Prep Batch: N/A  
Units: mg/L

Instrument ID: MANTECH  
Lab File ID: 6.21.10a.txt  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	190	188	0	30	
Carbonate Alkalinity as CaCO3	1.0 U	1.0	NC	30	U

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

### Method Blank - Batch: 660-96160

Method: SM 2540C

Preparation: N/A

Lab Sample ID: MB 660-96160/1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/21/2010 1048  
Date Prepared: N/A

Analysis Batch: 660-96160  
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: 660-96160

Method: SM 2540C

Preparation: N/A

Lab Sample ID: LCS 660-96160/2  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/21/2010 1049  
Date Prepared: N/A

Analysis Batch: 660-96160  
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	9930	99	80 - 120	

### Duplicate - Batch: 660-96160

Method: SM 2540C

Preparation: N/A

Lab Sample ID: 660-35826-1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/21/2010 1050  
Date Prepared: N/A

Analysis Batch: 660-96160  
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	44000	45100	2	20	

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

### Method Blank - Batch: 660-96145

Method: SM 3500 CR B  
Preparation: N/A

Lab Sample ID: MB 660-96145/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/18/2010 0920  
Date Prepared: N/A

Analysis Batch: 660-96145  
Prep Batch: N/A  
Units: ug/L

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

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

### Lab Control Sample - Batch: 660-96145

Method: SM 3500 CR B  
Preparation: N/A

Lab Sample ID: LCS 660-96145/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/18/2010 0920  
Date Prepared: N/A

Analysis Batch: 660-96145  
Prep Batch: N/A  
Units: ug/L

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

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

### Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96145

Method: SM 3500 CR B  
Preparation: N/A

MS Lab Sample ID: 660-35826-2  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/18/2010 0920  
Date Prepared: N/A

Analysis Batch: 660-96145  
Prep Batch: N/A

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

MSD Lab Sample ID: 660-35826-2  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/18/2010 0920  
Date Prepared: N/A

Analysis Batch: 660-96145  
Prep Batch: N/A

Instrument ID: HACH  
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)	75	75	85 - 115	0	20	J3	J3

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

### Method Blank - Batch: 680-173212

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

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

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

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

Analyte	Result	Qual	MDL	PQL
Ammonia	0.026	U	0.026	0.050

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

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

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

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

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

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

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

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

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

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 680-173212**

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

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

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

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

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

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

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

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

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

### Method Blank - Batch: 640-70218

Method: SM 4500 P E  
Preparation: N/A

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

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

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

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

### Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 640-70218

Method: SM 4500 P E  
Preparation: N/A

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

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

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

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

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

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

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



## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

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

Method: SM 4500 P E  
Preparation: N/A

MS Lab Sample ID: 660-35826-5  
Client Matrix: Water  
Dilution: 10  
Date Analyzed: 06/19/2010 2236  
Date Prepared: N/A

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

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

MSD Lab Sample ID: 660-35826-5  
Client Matrix: Water  
Dilution: 10  
Date Analyzed: 06/19/2010 2237  
Date Prepared: N/A

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

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
ortho-Phosphate-Dissolved	6	9	90 - 110	6	30	I J3	I J3

### Duplicate - Batch: 640-70218

Method: SM 4500 P E  
Preparation: N/A

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

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

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

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

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35826-1  
Sdg Number: 35826

### Method Blank - Batch: 660-96141

Method: SM 4500 S2 F  
Preparation: N/A

Lab Sample ID: MB 660-96141/1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/19/2010 1100  
Date Prepared: N/A

Analysis Batch: 660-96141  
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: 660-96141

Method: SM 4500 S2 F  
Preparation: N/A

LCS Lab Sample ID: LCS 660-96141/2  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/19/2010 1100  
Date Prepared: N/A

Analysis Batch: 660-96141  
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 660-96141/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/19/2010 1100  
Date Prepared: N/A

Analysis Batch: 660-96141  
Prep Batch: N/A  
Units: mg/L

Instrument ID: No Equipment Assigned  
Lab File ID: N/A  
Initial Weight/Volume: 1.0 mL  
Final Weight/Volume: 250 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Sulfide	94	96	75 - 125	2	25		

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

SHORT Holds = 45 + 6  
Chain of Custody Record

660-35826

TestAmerica  
THE LEADER IN ENVIRONMENTAL TESTING

<b>Client Information</b>		Sample #	08854 Jacobs		Lab P/N:	Fritz, Tina		Carrier Tracking No(s)		COC No:	660-29696.2							
Client Contact:		Phone:	813-440-6552		Email:	tina.fritz@testamericainc.com				Page:	Page 2 of 3							
Company:		Florida Power & Light Company																
Address:		700 Universe Blvd (GPAJB)																
City:		TAT Requested (day):																
State Zip:		FL 33408																
Phone:		PO #:																
Email:		Purchase Order Requested																
Project Name:		WO #:																
FPL Turkey Point (SA SW)		Project #:																
Site:		SSOW#:																
<b>Analysis Requested</b>																		
Field Filtered Sample (Yes or No)																		
Perform MS/MSD (Yes or No)																		
365.1, Nitrogen, Total																		
Unlabeled NH3 - Ammonia, Unlabeled																		
4600_P_E Ortho - ortho-Phosphate																		
351.2 - Nitrogen, Kjeldahl																		
SUBCONTRACT - Hydrogen, Oxygen																		
245.1, 6010B																		
SM4500_S2_F - Sulfide																		
2320B, 300.0_28D																		
200.7_CWA - SiO2, Silica																		
Subcontract - Carbon (u.d.m.)																		
Total Number of Containers																		
Special Instructions/Note:																		
Preservation Codes:																		
A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hezane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)																		
<b>Sample Identification</b>																		
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=other, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	365.1, Nitrogen, Total	Unlabeled NH3 - Ammonia, Unlabeled	4600_P_E Ortho - ortho-Phosphate	351.2 - Nitrogen, Kjeldahl	SUBCONTRACT - Hydrogen, Oxygen	245.1, 6010B	SM4500_S2_F - Sulfide	2320B, 300.0_28D	200.7_CWA - SiO2, Silica	Subcontract - Carbon (u.d.m.)	Total Number of Containers	Special Instructions/Note:
061710-TR6W-35	6/17/10	11:05	9	Water	X	X	1	1	1	1	1	1	1	1	1	1	10	* SHORT HOLD 11
061710-TR6W-3W		11:30	1	Water	X	X	1	1	1	1	1	1	1	1	1	1	10	
061716-TR6W-3D		12:25	1	Water	X	X	1	1	1	1	1	1	1	1	1	1	10	
061710-TR6W-12.5		15:55	1	Water	X	X	1	1	1	1	1	1	1	1	1	1	10	
061710-TR6W-12W		16:30	1	Water	X	X	1	1	1	1	1	1	1	1	1	1	10	
061710-FB1		15:00	1	Water	X	X	1	1	1	1	1	1	1	1	1	1	10	
<b>Possible Hazard Identification</b>																		
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological																		
Deliverable Requested: I, II, III, IV, Other (specify)																		
Empty Kit Requisitioned by: [Signature]																		
Requisitioned by: [Signature]																		
Date/Time: 6/17/10 1809																		
Company: [Signature]																		
Custody Seal Intact: [Signature]																		
Custody Seal No.: [Signature]																		
Cooler Temperature(s) °C and Other Remarks: 3.9, 4.1, 4.5 °C CW07																		

3.5826

PURGING DATA

PURGE PUMP TYPE: (b) (7)  
OR BAILER: Permit Self:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL CAPACITY) / (FLOW RATE) (only fill out if applicable)

	feet	feet	X	gallons/foot	=	gallons
--	------	------	---	--------------	---	---------

$$\text{EQUIPMENT VOLUME PURGE: } 1 \text{ EQUIPMENT VOL.} = \text{PUMP VOLUME} + (\text{TUBING CAPACITY} \times \text{TUBING LENGTH}) + \text{FLOW CELL VOLUME}$$

(only fill out if applicable)

$$= \text{gallons} + (0.014 \text{ gallons/foot} \times 35 \text{ feet}) + \text{gallons} = 0.49 \text{ gallons}$$

TOTAL VOLUME PURGED (gallons):	3.15
-----------------------------------	------

DRP  
 - 243.8  
 - 248.8  
 - 250.2

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.66; 5" = 1.02; 6" = 1.47; 12" = 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

ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

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

## SAMPLING DATA

SAMPLER(S) SIGNATURE(S):

FIELD-FILTERED: (Y) N FILTER SIZE: 90  $\mu$ m  
Filtration Equipment Type: \_\_\_\_\_

DUPLICATE: Y (N)

INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE and per minute
1015 B.C. / S46 APP		0.10
1015 / NH <sub>3</sub> / S46 APP		0.10
S.O <sub>2</sub> / methanol / S46 APP		0.10
Carbon / DE / S46 APP		0.10
DOC APP		0.10
DIC APP		0.10
DOC APP		0.10

REMARKS: 2 PE 250m - 1/2017 250m - 1/3 10/10/2017 APP

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 = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump;  
RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

2. **STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)**  
pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally  $\pm 0.2\text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20\text{ NTU}$ ; optionally  $\pm 5\text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: TPGW-3m	SITE LOCATION: FPL - Turkey Point
WELL NO:	SAMPLE ID: DATE: 06-17-10

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 55 feet to 59 feet	STATIC DEPTH TO WATER (feet): 1.78	PURGE PUMP TYPE OR BAILER: Peristaltic							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 58.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 58.3	PURGING INITIATED AT: 10:10am	PURGING ENDED AT: 10:50	TOTAL VOLUME PURGED (gallons): 3.0							
TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:29	1.63	1.6	.07		7.00	26.84	62.14	4.8(0.30)	0.22	light yellow	—
10:39	.65	2.25	.07		7.00	26.93	62.21	2.8(0.18)	0.17	light yellow	—
10:49	.75	3.00	.07		6.99	27.04	62.25	2.7(0.17)	0.53	light yellow	—
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; 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: 11:30	SAMPLING ENDED AT: 12:01				
PUMP OR TUBING DEPTH IN WELL (feet): 58.3		TUBING MATERIAL CODE: T		FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: 45 µm				
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> TUBING <input checked="" type="checkbox"/> (Replaced)		DUPLICATE: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N							
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION						
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (gal. per minute)
	1	PE	1L	—	1L	—	ALK B/C/L/S/APP	APP	.07
	3	PE	500mL	2mL HCl	500 mL	10/24	5mL HCl / 1mL H <sub>2</sub> O / 1mL APP	APP	.07
	5	PE	250mL	1/2 mL HCl	250 mL	—	5mL HCl / 1mL H <sub>2</sub> O / 1mL APP	APP	.07
	3	PE	125mL	—	125 mL	—	OP/C/L/S/APP	APP	.07
	1	AG	125mL	HCl	125 mL	2	DOL	APP	.07
	1	CG	40mL	—	40 mL	—	DIC	APP	.07
REMARKS: 2 PE 250mL N/A/C/- 250 mL Start/Tot APP .07									
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; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

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

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: <b>TPCW-30</b>	SITE LOCATION: <b>FPL-Turkey Point</b>
WELL NO:	SAMPLE ID: <b>DATE: 06-17-10</b>

PURGING DATA

WELL DIAMETER (inches): <b>2"</b>	TUBING DIAMETER (inches): <b>3/4"</b>	WELL SCREEN INTERVAL DEPTH: <b>87</b> feet to <b>89</b> feet	STATIC DEPTH TO WATER (feet): <b>1.67</b>	PURGE PUMP TYPE OR BAILER: <b>Peristaltic</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>88</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>88</b>	PURGING INITIATED AT: <b>1140</b>	PURGING ENDED AT: <b>1215</b>	TOTAL VOLUME PURGED (gallons): <b>3.5</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:57	2.25	2.25	.68	1.59	6.92	27.05	55.49	11.4(.75)	1.97	clear	none
12:06	.75	3.0	.08	1.60	6.92	26.94	55.58	25(.46)	1.90	"	"
12:14	.50	3.5	.06	1.60	6.92	26.96	55.57	24(.45)	2.30	"	"
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <b>J. Jacobs</b>		SAMPLER(S) SIGNATURE(S): <b>[Signature]</b>		SAMPLING INITIATED AT: <b>12:25</b>	SAMPLING ENDED AT: <b>1:52</b>				
PUMP OR TUBING DEPTH IN WELL (feet): <b>88</b>		TUBING MATERIAL CODE: <b>T</b>		FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: <b>45</b> μm				
FIELD DECONTAMINATION: PUMP <b>Y</b> <input checked="" type="checkbox"/>		TUBING <b>Y</b> <input checked="" type="checkbox"/> (Replaced)		DUPLICATE: <b>Y</b> <input checked="" type="checkbox"/>					
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION						
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1L	-	1L	-	Alk, Br, Cl, S, Cu, Fe, Pb, Zn	PP	.08
	23	PE	500 mL	3% NaOH / sulfuric	500 mL	10.2	Sulfate / nitrate	PP	.08
	5	PE	250 mL	nitric / sulfuric	250	11.72	met / inorganic / nitrate	PP	.08
	3	PE	125 mL	-	125	-	OR / cob.	PP	.08
	1	AG	125 mL	hydrochloric	125	2	DOC	PP	.08
	1	CG	40 mL	-	40 mL	-	DIC	PP	.08
REMARKS: <b>2 PE 250 mL - nitric 250 mL - 1/2 TCA / 250 mL</b>									
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; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

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

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater). Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater).

Revision Date: February 12, 2009

# GROUNDWATER SAMPLING LOG

SITE NAME: TPGW-125		SITE LOCATION:	
WELL NO:	SAMPLE ID:	DATE: 06-17-10	

## PURGING DATA

[illegible]

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jesse Jacobs		SAMPLER(S) SIGNATURE(S): [Signature]		SAMPLING INITIATED AT: 15:55		SAMPLING ENDED AT: 16:11	
PUMP OR TUBING DEPTH IN WELL (feet): 24 ft		TUBING MATERIAL CODE: T		FIELD FILTERED: (Y) N		FILTER SIZE: 45 µm	
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced)				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1L	—	1L	—	APP
	3	PE	500mL	3mL H <sub>2</sub> O / submerge	500mL	10/2	APP
	5	PE	250mL	1mL H <sub>2</sub> O / submerge	250mL	14/2	APP
	3	PE	125mL	1mL H <sub>2</sub> O	125mL	—	APP
	1	CG	40mL	—	40mL	—	APP
	1	AG	125mL	Hypochlor	125mL	2	APP
REMARKS:							
2		PE	250mL	2mL H <sub>2</sub> O / —	250mL	2 / —	APP

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

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

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

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

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

Revision Date: February 12, 2009

# GROUNDWATER SAMPLING LOG

SITE NAME: TPGW-12m		SITE LOCATION:	
WELL NO:		SAMPLE ID:	
		DATE: 06-17-10	

PURGING DATA

PUMPING DATA				
WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/4"	WELL SCREEN INTERVAL DEPTH: 56 feet to 60 feet	STATIC DEPTH TO WATER (feet): 1.65 ft	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
(only fill out if applicable)				
= (                      feet -                      feet ) 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/foot X                      feet ) +                      gallons = 0.91 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):
60	60	1511	1548	3.78

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016

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

## SAMPLING DATA

SAMPLING DATA				
SAMPLED BY (PRINT) / AFFILIATION: <i>Jeffrey Jacobs</i>		SAMPLER(S) SIGNATURE(S): <i>J. Jacobs</i>		SAMPLING INITIATED AT: <i>16:30</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>60 ft</i>		TUBING MATERIAL CODE: <i>T</i>		SAMPLING ENDED AT: <i>16:55</i>
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> TUBING <input checked="" type="checkbox"/>		FIELD-FILTERED: <input checked="" type="checkbox"/> N Filtration Equipment Type:		FILTER SIZE: <i>45</i> $\mu$ m
DUPLICATE: <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			
	1	PE	1L	—	1L	—	Al, B, C, S, O <sub>2</sub> , H <sub>2</sub> O <sub>2</sub> , APP		0.10
	3	PE	500 ml	2m NaOH / 2m H <sub>2</sub> O <sub>2</sub>	500 ml	10.2	Sulfide, H <sub>2</sub> O <sub>2</sub> , H <sub>2</sub> S, APP		0.10
	5	PE	250 ml	— / 2m NaOH / 2m H <sub>2</sub> O <sub>2</sub>	250 ml	—	S, O <sub>2</sub> , H <sub>2</sub> O <sub>2</sub> , APP		0.10
	3	PE	125 ml	—	125 ml	—	BP / Carb / H <sub>2</sub> O <sub>2</sub> , APP		0.10
	1	AG	125 ml	—	125 ml	—	DOC, APP		0.10
	1	CG	40 ml	HCl	40 ml	—	DOC, APP		0.10
REMARKS:	2	PE	250 ml	NaOH	250 ml	—	Strontium / 2m APP		0.10

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

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

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

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

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE 1.0-2.2.12, SECTION 2)  
pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2);  
optionally,  $\pm 0.2\text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20\text{ NTU}$ ; optionally  $\pm 5\text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 12, 2009



## Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35826-1

SDG Number: 35826

Login Number: 35826

Creator: McNulty, Carol

List Number: 1

List Source: TestAmerica Tampa

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.9, 4.1, 4.5 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	also recd TDS, DOC, DIC-not on coc
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	recd filtered metal for 3M sample-not on coc
Samples are received within Holding Time.	True	ortho phos shipped direct to tally
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: 660-35826-1

SDG Number: 35826

Login Number: 35826

Creator: Conner, Keaton

List Number: 1

List Source: TestAmerica Savannah

List Creation: 06/22/10 10:03 AM

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	1 HCL vial -6 received broken
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: 660-35826-1

SDG Number: 35826

Login Number: 35826

List Source: TestAmerica Tallahassee

Creator: Archle, Datiska

List Creation: 06/18/10 01:58 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	