

## ANALYTICAL REPORT

Job Number: 660-35918-1

SDG Number: 35918

Job Description: FPL Turkey Point Analytical Services

For:

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



Approved for release.  
Amy Atkins  
Project Manager I  
8/30/2010 1:47 PM

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

cc: Ms. Sharon Ewe

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

**TestAmerica Laboratories, Inc.**

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**Job Narrative**  
**660-35918-1**

**Receipt**

All samples were received in good condition within temperature requirements.

**Metals**

Method 200.7 Rev 4.4: The following sample(s) was diluted due to the nature of the sample matrix: 062310-BBSW-3D (660-35918-2), 062310-BBSW-4D (660-35918-1), 062310-BBSW-4S (660-35918-4), 062310-BBSW-5D (660-35918-5), 062310-BBSW-5S (660-35918-3). Elevated reporting limits (RLs) are provided.

Method 200.7 Rev 4.4: The matrix spike duplicate (MSD) recovery for Iron in batch 70328 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 6010B: The matrix spike duplicate (MSD) recovery for Calcium, Magnesium and Sodium in batch 96475 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

**General Chemistry**

Method 300.0: Due to matrix, sample 062310-BBSW-3D (660-35918-2), 062310-BBSW-4D (660-35918-1), 062310-BBSW-4S (660-35918-4), 062310-BBSW-5S (660-35918-3), 062310-BBSW-5D (660-35918-5) was diluted for Fluoride.

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

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 96706 were outside control limits for Fluoride. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with J3.

Method 365.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 70412 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

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

Method SM 4500 S2 F: Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for batch 96518.

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

## EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
<b>660-35918-1</b>	<b>062310-BBSW-4D</b>				
Field pH		8.53		SU	Field Sampling
Field Temperature		30.84		Degrees C	Field Sampling
Oxygen, Dissolved		5.86		mg/L	Field Sampling
Specific Conductance		47860		umhos/cm	Field Sampling
Turbidity		3.68		NTU	Field Sampling
Bromide		73	5.0	mg/L	300.0
Chloride		20000	500	mg/L	300.0
Sulfate		2900	50	mg/L	300.0
Nitrogen, Kjeldahl		0.30	0.20	mg/L	351.2
Nitrate Nitrite as N		0.028	0.010	mg/L	353.2
Phosphorus		0.020	0.010	mg/L	365.1
Alkalinity		100	1.0	mg/L	SM 2320B
Carbonate Alkalinity as CaCO3		6.7	1.0	mg/L	SM 2320B
Ammonia		0.050	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		0.33	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.014	0.000017	mg/L	UnionizedNH3
<b><i>Dissolved</i></b>					
SiO2, Silica		490 I	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		20	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.044 I	0.50	mg/L	SM 4500 P E
<b><i>Total Recoverable</i></b>					
Iron		93 I	500	ug/L	200.7 Rev 4.4
Lead		27 I	50	ug/L	200.7 Rev 4.4
Molybdenum		17 I	100	ug/L	200.7 Rev 4.4
Zinc		42 I	200	ug/L	200.7 Rev 4.4
Boron		5200	500	ug/L	6010B
Calcium		450	5.0	mg/L	6010B
Potassium		400	200	mg/L	6010B
Strontium		8300	50	ug/L	6010B
Magnesium		1400	0.80	mg/L	6010B
Sodium		12000	100	mg/L	6010B

## EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
<b>660-35918-2</b>	<b>062310-BBSW-3D</b>				
Field pH		8.57		SU	Field Sampling
Field Temperature		31.51		Degrees C	Field Sampling
Oxygen, Dissolved		7.63		mg/L	Field Sampling
Specific Conductance		48300		umhos/cm	Field Sampling
Turbidity		1.12		NTU	Field Sampling
Bromide		73	5.0	mg/L	300.0
Chloride		19000	500	mg/L	300.0
Sulfate		3000	50	mg/L	300.0
Nitrogen, Kjeldahl		0.11 I	0.20	mg/L	351.2
Phosphorus		0.019	0.010	mg/L	365.1
Alkalinity		100	1.0	mg/L	SM 2320B
Carbonate Alkalinity as CaCO3		18	1.0	mg/L	SM 2320B
Ammonia		0.12	0.050	mg/L	SM 4500 NH3 G
Unionized Ammonia		0.036	0.000017	mg/L	UnionizedNH3
<b><i>Dissolved</i></b>					
SiO2, Silica		330 I	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		20	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.048 I	0.50	mg/L	SM 4500 P E
<b><i>Total Recoverable</i></b>					
Iron		84 I	500	ug/L	200.7 Rev 4.4
Lead		28 I	50	ug/L	200.7 Rev 4.4
Molybdenum		13 I	100	ug/L	200.7 Rev 4.4
Zinc		42 I	200	ug/L	200.7 Rev 4.4
Boron		5400	500	ug/L	6010B
Calcium		470	5.0	mg/L	6010B
Potassium		420	200	mg/L	6010B
Strontium		8600	50	ug/L	6010B
Magnesium		1500	0.80	mg/L	6010B
Sodium		12000	100	mg/L	6010B

## EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35918-1

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Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
<b>660-35918-3</b>	<b>062310-BBSW-5S</b>				
Field pH		8.37		SU	Field Sampling
Field Temperature		30.00		Degrees C	Field Sampling
Oxygen, Dissolved		5.71		mg/L	Field Sampling
Specific Conductance		45030		umhos/cm	Field Sampling
Turbidity		1.17		NTU	Field Sampling
Bromide		63	5.0	mg/L	300.0
Chloride		21000	500	mg/L	300.0
Sulfate		2500	50	mg/L	300.0
Nitrogen, Kjeldahl		0.32	0.20	mg/L	351.2
Nitrate Nitrite as N		0.0098 I	0.010	mg/L	353.2
Phosphorus		0.015	0.010	mg/L	365.1
Alkalinity		120	1.0	mg/L	SM 2320B
Ammonia		0.042 I	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		0.33	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.0081	0.000017	mg/L	UnionizedNH3
<b><i>Dissolved</i></b>					
SiO2, Silica		1000	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		25	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.044 I	0.50	mg/L	SM 4500 P E
<b><i>Total Recoverable</i></b>					
Iron		84 I	500	ug/L	200.7 Rev 4.4
Molybdenum		11 I	100	ug/L	200.7 Rev 4.4
Zinc		27 I	200	ug/L	200.7 Rev 4.4
Boron		5000	500	ug/L	6010B
Calcium		450	5.0	mg/L	6010B
Potassium		370	200	mg/L	6010B
Strontium		8000	50	ug/L	6010B
Magnesium		1400	0.80	mg/L	6010B
Sodium		11000	100	mg/L	6010B

## EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
<b>660-35918-4</b>	<b>062310-BBSW-4S</b>				
Field pH		8.52		SU	Field Sampling
Field Temperature		30.78		Degrees C	Field Sampling
Oxygen, Dissolved		6.23		mg/L	Field Sampling
Specific Conductance		47750		umhos/cm	Field Sampling
Turbidity		3.41		NTU	Field Sampling
Bromide		70	5.0	mg/L	300.0
Chloride		21000	500	mg/L	300.0
Sulfate		2800	50	mg/L	300.0
Nitrogen, Kjeldahl		0.24	0.20	mg/L	351.2
Nitrate Nitrite as N		0.0077 I	0.010	mg/L	353.2
Phosphorus		0.025	0.010	mg/L	365.1
Alkalinity		110	1.0	mg/L	SM 2320B
Carbonate Alkalinity as CaCO3		14	1.0	mg/L	SM 2320B
Ammonia		0.036 I	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		0.25	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.0096	0.000017	mg/L	UnionizedNH3
<b><i>Dissolved</i></b>					
SiO2, Silica		460 I	500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		20	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.053 I	0.50	mg/L	SM 4500 P E
<b><i>Total Recoverable</i></b>					
Iron		110 I	500	ug/L	200.7 Rev 4.4
Molybdenum		13 I	100	ug/L	200.7 Rev 4.4
Thallium		16 I	100	ug/L	200.7 Rev 4.4
Zinc		140 I	200	ug/L	200.7 Rev 4.4
Boron		5300	500	ug/L	6010B
Calcium		470	5.0	mg/L	6010B
Potassium		410	200	mg/L	6010B
Strontium		8500	50	ug/L	6010B
Magnesium		1500	0.80	mg/L	6010B
Sodium		12000	100	mg/L	6010B

## EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

Lab Sample ID	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
Analyte						
<b>660-35918-5</b>	<b>062310-BBSW-5D</b>					
Field pH		8.41			SU	Field Sampling
Field Temperature		30.2			Degrees C	Field Sampling
Oxygen, Dissolved		6.10			mg/L	Field Sampling
Specific Conductance		45040			umhos/cm	Field Sampling
Turbidity		1.27			NTU	Field Sampling
Bromide		67		5.0	mg/L	300.0
Chloride		19000		500	mg/L	300.0
Fluoride		0.32		0.25	mg/L	300.0
Sulfate		2700		50	mg/L	300.0
Nitrogen, Kjeldahl		0.41		0.20	mg/L	351.2
Nitrate Nitrite as N		0.0053	I	0.010	mg/L	353.2
Phosphorus		0.016		0.010	mg/L	365.1
Alkalinity		120		1.0	mg/L	SM 2320B
Carbonate Alkalinity as CaCO3		4.5		1.0	mg/L	SM 2320B
Ammonia		0.14		0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		0.42		0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.029		0.000017	mg/L	UnionizedNH3
<b><i>Dissolved</i></b>						
SiO2, Silica		1000		500	ug/L	200.7 Rev 4.4
Dissolved Inorganic Carbon-Dissolved		25		1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.047	I	0.50	mg/L	SM 4500 P E
<b><i>Total Recoverable</i></b>						
Iron		120	I	500	ug/L	200.7 Rev 4.4
Molybdenum		9.3	I	100	ug/L	200.7 Rev 4.4
Boron		5000		500	ug/L	6010B
Calcium		450		5.0	mg/L	6010B
Potassium		380		200	mg/L	6010B
Strontium		8000		50	ug/L	6010B
Magnesium		1400		0.80	mg/L	6010B
Sodium		11000		100	mg/L	6010B

## METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

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	
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: 660-35918-1

Sdg Number: 35918

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: 660-35918-1

Sdg Number: 35918

Method	Analyst	Analyst ID
40CFR136A 200.7 Rev 4.4	Bland, Brian	BCB
EPA 200.7 Rev 4.4	Neal, Amanda J	AJN
EPA 245.1	Ramos, Salvador	SR
SW846 6010B	Fox, Greg	GF
EPA Field Sampling	Sampler, Field	FS
MCAWW 300.0	Sengsouvana, Dom	DS
MCAWW 351.2	Office, Trey	TO
MCAWW 353.2	Williams, Tabatha D	TDW
EPA 365.1	Carlisle, Felicia F	FFC
SW846 9060	Blackshear, Kim	KB
SM SM 2320B	Steward, Tiffany	TS
SM SM 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	Wallace, Tiffany B	TBW
FL-DEP UnionizedNH3	Ross, Jon	JR

## SAMPLE SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-35918-1	062310-BBSW-4D	Water	06/23/2010 1330	06/24/2010 0830
660-35918-2	062310-BBSW-3D	Water	06/23/2010 1550	06/24/2010 0830
660-35918-3	062310-BBSW-5S	Water	06/23/2010 1112	06/24/2010 0830
660-35918-4	062310-BBSW-4S	Water	06/23/2010 1300	06/24/2010 0830
660-35918-5	062310-BBSW-5D	Water	06/23/2010 1148	06/24/2010 0830

**Analytical Data**

Client: Florida Power &amp; Light Company

Job Number: 660-35918-1

Sdg Number: 35918

**Client Sample ID: 062310-BBSW-4D**

Lab Sample ID: 660-35918-1

Date Sampled: 06/23/2010 1330

Client Matrix: Water

Date Received: 06/24/2010 0830

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

Method:	200.7 Rev 4.4	Analysis Batch: 640-70492	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70328	Lab File ID:	070110a.csv
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/01/2010 1409		Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0945			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	8.1	U	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	93	I	27	500
Lead	27	I	24	50
Manganese	4.6	U	4.6	100
Molybdenum	17	I	4.7	100
Nickel	14	U	14	200
Selenium	34	U	34	100
Thallium	16	U	16	100
Vanadium	5.2	U	5.2	100
Zinc	42	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 1451		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	490	I	50	500

**245.1 Mercury (CVAA)**

Method:	245.1	Analysis Batch: 660-96725	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-96716	Lab File ID:	10G01PSB.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2010 1722		Final Weight/Volume:	25 mL
Date Prepared:	07/01/2010 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: 660-35918-1

Sdg Number: 35918

**Client Sample ID: 062310-BBSW-4D**

Lab Sample ID: 660-35918-1

Date Sampled: 06/23/2010 1330

Client Matrix: Water

Date Received: 06/24/2010 0830

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

Method:	6010B	Analysis Batch: 660-96507	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96475	Lab File ID:	10F28A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1729		Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0804			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	450		1.0	5.0
Magnesium	1400		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5200		100	500
Strontium	8300		10	50

Method:	6010B	Analysis Batch: 660-96507	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96475	Lab File ID:	10F28A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1735	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0804			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	400		38	200
Sodium	12000		62	100

**Analytical Data**

Client: Florida Power &amp; Light Company

Job Number: 660-35918-1

Sdg Number: 35918

**Client Sample ID: 062310-BBSW-3D**

Lab Sample ID: 660-35918-2

Date Sampled: 06/23/2010 1550

Client Matrix: Water

Date Received: 06/24/2010 0830

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

Method:	200.7 Rev 4.4	Analysis Batch: 640-70492	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70328	Lab File ID:	070110a.csv
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/01/2010 1412		Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0945			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	8.1	U	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	84	I	27	500
Lead	28	I	24	50
Manganese	4.6	U	4.6	100
Molybdenum	13	I	4.7	100
Nickel	14	U	14	200
Selenium	34	U	34	100
Thallium	16	U	16	100
Vanadium	5.2	U	5.2	100
Zinc	42	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 1454		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO <sub>2</sub> , Silica	330	I	50	500

**245.1 Mercury (CVAA)**

Method:	245.1	Analysis Batch: 660-96725	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-96716	Lab File ID:	10G01PSB.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2010 1729		Final Weight/Volume:	25 mL
Date Prepared:	07/01/2010 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: 660-35918-1

Sdg Number: 35918

**Client Sample ID: 062310-BBSW-3D**

Lab Sample ID: 660-35918-2

Date Sampled: 06/23/2010 1550

Client Matrix: Water

Date Received: 06/24/2010 0830

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

Method:	6010B	Analysis Batch: 660-96507	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96475	Lab File ID:	10F28A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1741		Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0804			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	470		1.0	5.0
Magnesium	1500		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5400		100	500
Strontium	8600		10	50

Method:	6010B	Analysis Batch: 660-96507	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96475	Lab File ID:	10F28A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1747	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0804			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	420		38	200
Sodium	12000		62	100

**Analytical Data**

Client: Florida Power &amp; Light Company

Job Number: 660-35918-1

Sdg Number: 35918

**Client Sample ID: 062310-BBSW-5S**

Lab Sample ID: 660-35918-3

Date Sampled: 06/23/2010 1112

Client Matrix: Water

Date Received: 06/24/2010 0830

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

Method:	200.7 Rev 4.4	Analysis Batch: 640-70492	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70328	Lab File ID:	070110a.csv
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/01/2010 1416		Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0945			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	8.1	U	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	84	I	27	500
Lead	24	U	24	50
Manganese	4.6	U	4.6	100
Molybdenum	11	I	4.7	100
Nickel	14	U	14	200
Selenium	34	U	34	100
Thallium	16	U	16	100
Vanadium	5.2	U	5.2	100
Zinc	27	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 1457		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	1000		50	500

**245.1 Mercury (CVAA)**

Method:	245.1	Analysis Batch: 660-96725	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-96716	Lab File ID:	10G01PSB.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2010 1731		Final Weight/Volume:	25 mL
Date Prepared:	07/01/2010 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: 660-35918-1

Sdg Number: 35918

**Client Sample ID: 062310-BBSW-5S**

Lab Sample ID: 660-35918-3

Date Sampled: 06/23/2010 1112

Client Matrix: Water

Date Received: 06/24/2010 0830

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

Method:	6010B	Analysis Batch: 660-96507	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96475	Lab File ID:	10F28A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1753		Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0804			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	450		1.0	5.0
Magnesium	1400		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5000		100	500
Strontium	8000		10	50

Method:	6010B	Analysis Batch: 660-96507	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96475	Lab File ID:	10F28A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1759	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0804			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	370		38	200
Sodium	11000		62	100

**Analytical Data**

Client: Florida Power &amp; Light Company

Job Number: 660-35918-1

Sdg Number: 35918

**Client Sample ID: 062310-BBSW-4S**

Lab Sample ID: 660-35918-4

Date Sampled: 06/23/2010 1300

Client Matrix: Water

Date Received: 06/24/2010 0830

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

Method:	200.7 Rev 4.4	Analysis Batch: 640-70492	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70328	Lab File ID:	070110a.csv
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/01/2010 1419		Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0945			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	8.1	U	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	110	I	27	500
Lead	24	U	24	50
Manganese	4.6	U	4.6	100
Molybdenum	13	I	4.7	100
Nickel	14	U	14	200
Selenium	34	U	34	100
Thallium	16	I	16	100
Vanadium	5.2	U	5.2	100
Zinc	140	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 1501		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO <sub>2</sub> , Silica	460	I	50	500

**245.1 Mercury (CVAA)**

Method:	245.1	Analysis Batch: 660-96725	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-96716	Lab File ID:	10G01PSB.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2010 1734		Final Weight/Volume:	25 mL
Date Prepared:	07/01/2010 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: 660-35918-1

Sdg Number: 35918

**Client Sample ID: 062310-BBSW-4S**

Lab Sample ID: 660-35918-4

Date Sampled: 06/23/2010 1300

Client Matrix: Water

Date Received: 06/24/2010 0830

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

Method:	6010B	Analysis Batch: 660-96507	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96475	Lab File ID:	10F28A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1805		Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0804			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	470		1.0	5.0
Magnesium	1500		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5300		100	500
Strontium	8500		10	50

Method:	6010B	Analysis Batch: 660-96507	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96475	Lab File ID:	10F28A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1822	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0804			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	410		38	200
Sodium	12000		62	100

**Analytical Data**

Client: Florida Power &amp; Light Company

Job Number: 660-35918-1

Sdg Number: 35918

**Client Sample ID: 062310-BBSW-5D**

Lab Sample ID: 660-35918-5

Date Sampled: 06/23/2010 1148

Client Matrix: Water

Date Received: 06/24/2010 0830

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

Method:	200.7 Rev 4.4	Analysis Batch: 640-70492	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70328	Lab File ID:	070110a.csv
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	07/01/2010 1423		Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0945			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	12	U	12	80
Barium	8.1	U	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	120	I	27	500
Lead	24	U	24	50
Manganese	4.6	U	4.6	100
Molybdenum	9.3	I	4.7	100
Nickel	14	U	14	200
Selenium	34	U	34	100
Thallium	16	U	16	100
Vanadium	5.2	U	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 1504		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO <sub>2</sub> , Silica	1000		50	500

**245.1 Mercury (CVAA)**

Method:	245.1	Analysis Batch: 660-96725	Instrument ID:	PS200II
Preparation:	245.1	Prep Batch: 660-96716	Lab File ID:	10G01PSB.PRN
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2010 1736		Final Weight/Volume:	25 mL
Date Prepared:	07/01/2010 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: 660-35918-1

Sdg Number: 35918

**Client Sample ID: 062310-BBSW-5D**

Lab Sample ID: 660-35918-5

Date Sampled: 06/23/2010 1148

Client Matrix: Water

Date Received: 06/24/2010 0830

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

Method:	6010B	Analysis Batch: 660-96507	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96475	Lab File ID:	10F28A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1828		Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0804			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	450		1.0	5.0
Magnesium	1400		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	5000		100	500
Strontium	8000		10	50

Method:	6010B	Analysis Batch: 660-96507	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96475	Lab File ID:	10F28A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1834	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/28/2010 0804			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	380		38	200
Sodium	11000		62	100

## Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### General Chemistry

Client Sample ID: 062310-BBSW-4D

Lab Sample ID: 660-35918-1

Date Sampled: 06/23/2010 1330

Client Matrix: Water

Date Received: 06/24/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	73		mg/L	2.7	5.0	100	300.0
Run Type: DL	Analysis Batch: 660-96603	Date Analyzed: 06/30/2010 0240					
Chloride	20000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-96603	Date Analyzed: 06/30/2010 0428					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96706	Date Analyzed: 06/30/2010 1603					
Sulfate	2900		mg/L	20	50	100	300.0
Run Type: DL	Analysis Batch: 660-96603	Date Analyzed: 06/30/2010 0240					
Nitrogen, Kjeldahl	0.30		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	0.028		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70364	Date Analyzed: 06/28/2010 1153					
Phosphorus	0.020		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70412	Date Analyzed: 06/29/2010 1134					
	Prep Batch: 640-70351	Date Prepared: 06/28/2010 1204					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96523	Date Analyzed: 06/24/2010 1025					
Ammonia	0.050		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-172931	Date Analyzed: 06/29/2010 1700					
	Prep Batch: 680-172902	Date Prepared: 06/29/2010 1511					
ortho-Phosphate-Dissolved	0.044	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70339	Date Analyzed: 06/24/2010 1527					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	20		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127					
Alkalinity	100		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96565	Date Analyzed: 06/29/2010 1135					
Carbonate Alkalinity as CaCO3	6.7		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96565	Date Analyzed: 06/29/2010 1135					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130					
Nitrogen, Total	0.33		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70382	Date Analyzed: 06/30/2010 0950					
Unionized Ammonia	0.014		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-172947	Date Analyzed: 06/30/2010 0801					

## Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### General Chemistry

Client Sample ID: 062310-BBSW-3D

Lab Sample ID: 660-35918-2

Date Sampled: 06/23/2010 1550

Client Matrix: Water

Date Received: 06/24/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	73		mg/L	2.7	5.0	100	300.0
Run Type: DL	Analysis Batch: 660-96603	Date Analyzed: 06/30/2010 0302					
Chloride	19000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-96706	Date Analyzed: 06/30/2010 2020					
Fluoride	0.10	U J3	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96706	Date Analyzed: 06/30/2010 1620					
Sulfate	3000		mg/L	20	50	100	300.0
Run Type: DL	Analysis Batch: 660-96603	Date Analyzed: 06/30/2010 0302					
Nitrogen, Kjeldahl	0.11	I	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: 640-70364	Date Analyzed: 06/28/2010 1155					
Phosphorus	0.019		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70412	Date Analyzed: 06/29/2010 1136					
	Prep Batch: 640-70351	Date Prepared: 06/28/2010 1204					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96523	Date Analyzed: 06/24/2010 1025					
Ammonia	0.12		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-172931	Date Analyzed: 06/29/2010 1700					
	Prep Batch: 680-172902	Date Prepared: 06/29/2010 1511					
ortho-Phosphate-Dissolved	0.048	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70339	Date Analyzed: 06/24/2010 1529					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	20		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127					
Alkalinity	100		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96565	Date Analyzed: 06/29/2010 1141					
Carbonate Alkalinity as CaCO3	18		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96565	Date Analyzed: 06/29/2010 1141					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130					
Nitrogen, Total	0.21	U	mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70382	Date Analyzed: 06/30/2010 0950					
Unionized Ammonia	0.036		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-172947	Date Analyzed: 06/30/2010 0801					

# Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

## General Chemistry

Client Sample ID: 062310-BBSW-5S

Lab Sample ID: 660-35918-3

Date Sampled: 06/23/2010 1112

Client Matrix: Water

Date Received: 06/24/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	63		mg/L	2.7	5.0	100	300.0
Run Type: DL	Analysis Batch: 660-96603	Date Analyzed: 06/30/2010 0323					
Chloride	21000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-96706	Date Analyzed: 06/30/2010 2037					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96706	Date Analyzed: 06/30/2010 1638					
Sulfate	2500		mg/L	20	50	100	300.0
Run Type: DL	Analysis Batch: 660-96603	Date Analyzed: 06/30/2010 0323					
Nitrogen, Kjeldahl	0.32		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	0.0098	I	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70364	Date Analyzed: 06/28/2010 1156					
Phosphorus	0.015		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70412	Date Analyzed: 06/29/2010 1140					
	Prep Batch: 640-70351	Date Prepared: 06/28/2010 1204					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96523	Date Analyzed: 06/24/2010 1025					
Ammonia	0.042	I	mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-172931	Date Analyzed: 06/29/2010 1700					
	Prep Batch: 680-172902	Date Prepared: 06/29/2010 1511					
ortho-Phosphate-Dissolved	0.044	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70339	Date Analyzed: 06/24/2010 1530					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	25		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127					
Alkalinity	120		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96565	Date Analyzed: 06/29/2010 1148					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96565	Date Analyzed: 06/29/2010 1148					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130					
Nitrogen, Total	0.33		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70382	Date Analyzed: 06/30/2010 0950					
Unionized Ammonia	0.0081		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-172947	Date Analyzed: 06/30/2010 0801					



## Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### General Chemistry

Client Sample ID: 062310-BBSW-4S

Lab Sample ID: 660-35918-4

Date Sampled: 06/23/2010 1300

Client Matrix: Water

Date Received: 06/24/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	70		mg/L	2.7	5.0	100	300.0
Run Type: DL	Analysis Batch: 660-96603	Date Analyzed: 06/30/2010 0345					
Chloride	21000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-96706	Date Analyzed: 06/30/2010 2055					
Fluoride	0.10	U	mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96706	Date Analyzed: 06/30/2010 1655					
Sulfate	2800		mg/L	20	50	100	300.0
Run Type: DL	Analysis Batch: 660-96603	Date Analyzed: 06/30/2010 0345					
Nitrogen, Kjeldahl	0.24		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	0.0077	I	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70364	Date Analyzed: 06/28/2010 1157					
Phosphorus	0.025		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70412	Date Analyzed: 06/29/2010 1142					
	Prep Batch: 640-70351	Date Prepared: 06/28/2010 1204					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96523	Date Analyzed: 06/24/2010 1025					
Ammonia	0.036	I	mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-172931	Date Analyzed: 06/29/2010 1708					
	Prep Batch: 680-172902	Date Prepared: 06/29/2010 1511					
ortho-Phosphate-Dissolved	0.053	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70339	Date Analyzed: 06/24/2010 1531					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	20		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127					
Alkalinity	110		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96565	Date Analyzed: 06/29/2010 1154					
Carbonate Alkalinity as CaCO3	14		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96565	Date Analyzed: 06/29/2010 1154					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130					
Nitrogen, Total	0.25		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70382	Date Analyzed: 06/30/2010 0950					
Unionized Ammonia	0.0096		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-172947	Date Analyzed: 06/30/2010 0801					

## Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### General Chemistry

Client Sample ID: 062310-BBSW-5D

Lab Sample ID: 660-35918-5

Date Sampled: 06/23/2010 1148

Client Matrix: Water

Date Received: 06/24/2010 0830

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	67		mg/L	2.7	5.0	100	300.0
Run Type: DL	Analysis Batch: 660-96603	Date Analyzed: 06/30/2010 0407					
Chloride	19000		mg/L	200	500	1000	300.0
Run Type: DL2	Analysis Batch: 660-96706	Date Analyzed: 06/30/2010 2112					
Fluoride	0.32		mg/L	0.10	0.25	5.0	300.0
	Analysis Batch: 660-96756	Date Analyzed: 07/01/2010 1711					
Sulfate	2700		mg/L	20	50	100	300.0
Run Type: DL	Analysis Batch: 660-96603	Date Analyzed: 06/30/2010 0407					
Nitrogen, Kjeldahl	0.41		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	0.0053	I	mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-70364	Date Analyzed: 06/28/2010 1159					
Phosphorus	0.016		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-70412	Date Analyzed: 06/29/2010 1143					
	Prep Batch: 640-70351	Date Prepared: 06/28/2010 1204					
Chromium (hexavalent)	2.0	U	ug/L	2.0	10	1.0	SM 3500 CR B
	Analysis Batch: 660-96523	Date Analyzed: 06/24/2010 1025					
Ammonia	0.14		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-172931	Date Analyzed: 06/29/2010 1708					
	Prep Batch: 680-172902	Date Prepared: 06/29/2010 1511					
ortho-Phosphate-Dissolved	0.047	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70339	Date Analyzed: 06/24/2010 1533					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	25		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127					
Alkalinity	120		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96565	Date Analyzed: 06/29/2010 1200					
Carbonate Alkalinity as CaCO3	4.5		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96565	Date Analyzed: 06/29/2010 1200					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96518	Date Analyzed: 06/26/2010 1130					
Nitrogen, Total	0.42		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-70382	Date Analyzed: 06/30/2010 0950					
Unionized Ammonia	0.029		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-172947	Date Analyzed: 06/30/2010 0801					

**Analytical Data**

Client: Florida Power &amp; Light Company

Job Number: 660-35918-1

Sdg Number: 35918

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**Field Service / Mobile Lab****Client Sample ID:** 062310-BBSW-4D

Lab Sample ID: 660-35918-1

Date Sampled: 06/23/2010 1330

Client Matrix: Water

Date Received: 06/24/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.53		SU	1.0	Field Sampling	660-97058	06/23/2010 1330
Field Temperature	30.84		Degrees C	1.0	Field Sampling	660-97058	06/23/2010 1330
Oxygen, Dissolved	5.86		mg/L	1.0	Field Sampling	660-97058	06/23/2010 1330
Specific Conductance	47860		umhos/cm	1.0	Field Sampling	660-97058	06/23/2010 1330
Turbidity	3.68		NTU	1.0	Field Sampling	660-97058	06/23/2010 1330

**Analytical Data**

Client: Florida Power &amp; Light Company

Job Number: 660-35918-1

Sdg Number: 35918

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**Field Service / Mobile Lab****Client Sample ID:** 062310-BBSW-3D

Lab Sample ID: 660-35918-2

Date Sampled: 06/23/2010 1550

Client Matrix: Water

Date Received: 06/24/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.57		SU	1.0	Field Sampling	660-97058	06/23/2010 1550
Field Temperature	31.51		Degrees C	1.0	Field Sampling	660-97058	06/23/2010 1550
Oxygen, Dissolved	7.63		mg/L	1.0	Field Sampling	660-97058	06/23/2010 1550
Specific Conductance	48300		umhos/cm	1.0	Field Sampling	660-97058	06/23/2010 1550
Turbidity	1.12		NTU	1.0	Field Sampling	660-97058	06/23/2010 1550

**Analytical Data**

Client: Florida Power &amp; Light Company

Job Number: 660-35918-1

Sdg Number: 35918

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**Field Service / Mobile Lab****Client Sample ID: 062310-BBSW-5S**

Lab Sample ID: 660-35918-3

Date Sampled: 06/23/2010 1112

Client Matrix: Water

Date Received: 06/24/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.37		SU	1.0	Field Sampling	660-97058	06/23/2010 1112
Field Temperature	30.00		Degrees C	1.0	Field Sampling	660-97058	06/23/2010 1112
Oxygen, Dissolved	5.71		mg/L	1.0	Field Sampling	660-97058	06/23/2010 1112
Specific Conductance	45030		umhos/cm	1.0	Field Sampling	660-97058	06/23/2010 1112
Turbidity	1.17		NTU	1.0	Field Sampling	660-97058	06/23/2010 1112

**Analytical Data**

Client: Florida Power &amp; Light Company

Job Number: 660-35918-1

Sdg Number: 35918

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**Field Service / Mobile Lab****Client Sample ID: 062310-BBSW-4S**

Lab Sample ID: 660-35918-4

Date Sampled: 06/23/2010 1300

Client Matrix: Water

Date Received: 06/24/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.52		SU	1.0	Field Sampling	660-97058	06/23/2010 1300
Field Temperature	30.78		Degrees C	1.0	Field Sampling	660-97058	06/23/2010 1300
Oxygen, Dissolved	6.23		mg/L	1.0	Field Sampling	660-97058	06/23/2010 1300
Specific Conductance	47750		umhos/cm	1.0	Field Sampling	660-97058	06/23/2010 1300
Turbidity	3.41		NTU	1.0	Field Sampling	660-97058	06/23/2010 1300

**Analytical Data**

Client: Florida Power &amp; Light Company

Job Number: 660-35918-1

Sdg Number: 35918

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**Field Service / Mobile Lab****Client Sample ID:** 062310-BBSW-5D

Lab Sample ID: 660-35918-5

Date Sampled: 06/23/2010 1148

Client Matrix: Water

Date Received: 06/24/2010 0830

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.41		SU	1.0	Field Sampling	660-97058	06/23/2010 1148
Field Temperature	30.2		Degrees C	1.0	Field Sampling	660-97058	06/23/2010 1148
Oxygen, Dissolved	6.10		mg/L	1.0	Field Sampling	660-97058	06/23/2010 1148
Specific Conductance	45040		umhos/cm	1.0	Field Sampling	660-97058	06/23/2010 1148
Turbidity	1.27		NTU	1.0	Field Sampling	660-97058	06/23/2010 1148

## DATA REPORTING QUALIFIERS

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

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



## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### 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: 660-35894-J-1-B MS  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1426  
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: 660-35894-J-1-C MSD  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1434  
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	107	90	75 - 125	16	20		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 640-70328

Lab Sample ID: MB 640-70328/1-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/01/2010 1347  
Date Prepared: 06/28/2010 0945

Analysis Batch: 640-70492  
Prep Batch: 640-70328  
Units: ug/L

### Method: 200.7 Rev 4.4

#### Preparation: 200.7

#### Total Recoverable

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

Analyte	Result	Qual	MDL	PQL
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: 660-35918-1

Sdg Number: 35918

### Lab Control Sample/

### Lab Control Sample Duplicate Recovery Report - Batch: 640-70328

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

LCS Lab Sample ID: LCS 640-70328/2-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/01/2010 1351  
Date Prepared: 06/28/2010 0945

Analysis Batch: 640-70492  
Prep Batch: 640-70328  
Units: ug/L

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

LCSD Lab Sample ID: LCSD 640-70328/3-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/01/2010 1354  
Date Prepared: 06/28/2010 0945

Analysis Batch: 640-70492  
Prep Batch: 640-70328  
Units: ug/L

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

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	104	103	85 - 115	1	20		
Barium	104	103	85 - 115	1	20		
Beryllium	108	107	85 - 115	1	20		
Cadmium	110	107	85 - 115	3	20		
Copper	104	103	85 - 115	1	20		
Iron	102	101	85 - 115	1	20		
Lead	102	101	85 - 115	1	20		
Manganese	105	104	85 - 115	1	20		
Molybdenum	99	97	85 - 115	2	20		
Nickel	103	101	85 - 115	1	20		
Selenium	110	108	85 - 115	1	20		
Thallium	106	105	85 - 115	0	20		
Vanadium	102	101	85 - 115	1	20		
Zinc	102	101	85 - 115	1	20		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 640-70328

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

MS Lab Sample ID: 640-28503-D-10-B MS  
 Client Matrix: Water  
 Dilution: 1.0  
 Date Analyzed: 06/29/2010 1048  
 Date Prepared: 06/28/2010 0945

Analysis Batch: 640-70411  
 Prep Batch: 640-70328

Instrument ID: ICP1  
 Lab File ID: JUNE10  
 Initial Weight/Volume: 50 mL  
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-28503-D-10-C MSD  
 Client Matrix: Water  
 Dilution: 1.0  
 Date Analyzed: 06/29/2010 1052  
 Date Prepared: 06/28/2010 0945

Analysis Batch: 640-70411  
 Prep Batch: 640-70328

Instrument ID: ICP1  
 Lab File ID: JUNE10  
 Initial Weight/Volume: 50 mL  
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	96	105	70 - 130	9	20		
Barium	100	106	70 - 130	5	20		
Beryllium	101	106	70 - 130	4	20		
Cadmium	101	106	70 - 130	5	20		
Copper	103	109	70 - 130	5	20		
Iron	96	205	70 - 130	4	20		J3
Lead	103	108	70 - 130	4	20		
Manganese	102	109	70 - 130	5	20		
Molybdenum	96	102	70 - 130	6	20		
Nickel	103	108	70 - 130	5	20		
Selenium	102	107	70 - 130	4	20		
Thallium	108	113	70 - 130	5	20		
Vanadium	104	110	70 - 130	5	20		
Zinc	102	108	70 - 130	5	20		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 660-96716

Method: 245.1

Preparation: 245.1

Lab Sample ID: MB 660-96716/1-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/01/2010 1659  
Date Prepared: 07/01/2010 0900

Analysis Batch: 660-96725  
Prep Batch: 660-96716  
Units: ug/L

Instrument ID: PS200II  
Lab File ID: 10G01PSB.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: 660-96716

Method: 245.1

Preparation: 245.1

Lab Sample ID: LCS 660-96716/2-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/01/2010 1701  
Date Prepared: 07/01/2010 0900

Analysis Batch: 660-96725  
Prep Batch: 660-96716  
Units: ug/L

Instrument ID: PS200II  
Lab File ID: 10G01PSB.PRN  
Initial Weight/Volume: 25 mL  
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	1.14	114	85 - 115	

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 660-96716

Method: 245.1

Preparation: 245.1

MS Lab Sample ID: 660-36004-B-1-F MS  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/01/2010 1711  
Date Prepared: 07/01/2010 0900

Analysis Batch: 660-96725  
Prep Batch: 660-96716

Instrument ID: PS200II  
Lab File ID: 10G01PSB.PRN  
Initial Weight/Volume: 25 mL  
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 660-36004-B-1-G MSD  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 07/01/2010 1713  
Date Prepared: 07/01/2010 0900

Analysis Batch: 660-96725  
Prep Batch: 660-96716

Instrument ID: PS200II  
Lab File ID: 10G01PSB.PRN  
Initial Weight/Volume: 25 mL  
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	100	105	85 - 115	5	20		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 660-96475

Lab Sample ID: MB 660-96475/1-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1507  
Date Prepared: 06/28/2010 0804

Analysis Batch: 660-96507  
Prep Batch: 660-96475  
Units: mg/L

### Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA  
Lab File ID: 10F28A  
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: 660-96475

Lab Sample ID: MB 660-96475/1-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1507  
Date Prepared: 06/28/2010 0804

Analysis Batch: 660-96507  
Prep Batch: 660-96475  
Units: ug/L

### Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA  
Lab File ID: 10F28A  
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: 660-35918-1

Sdg Number: 35918

### Lab Control Sample - Batch: 660-96475

**Method: 6010B**  
**Preparation: 3005A**  
**Total Recoverable**

Lab Sample ID: LCS 660-96475/2-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1513  
Date Prepared: 06/28/2010 0804

Analysis Batch: 660-96507  
Prep Batch: 660-96475  
Units: mg/L

Instrument ID: ICPA  
Lab File ID: 10F28A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	1.00	1.12	112	75 - 125	
Potassium	10.0	9.35	93	75 - 125	
Magnesium	1.00	1.07	107	75 - 125	
Sodium	10.0	10.6	106	75 - 125	

### Lab Control Sample - Batch: 660-96475

**Method: 6010B**  
**Preparation: 3005A**  
**Total Recoverable**

Lab Sample ID: LCS 660-96475/2-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1513  
Date Prepared: 06/28/2010 0804

Analysis Batch: 660-96507  
Prep Batch: 660-96475  
Units: ug/L

Instrument ID: ICPA  
Lab File ID: 10F28A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Boron	1000	1050	105	75 - 125	
Strontium	1000	1110	111	75 - 125	

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 660-96475

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-35929-D-1-B MS  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1531  
Date Prepared: 06/28/2010 0804

Analysis Batch: 660-96507  
Prep Batch: 660-96475

Instrument ID: ICPA  
Lab File ID: 10F28A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35929-D-1-C MSD  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1537  
Date Prepared: 06/28/2010 0804

Analysis Batch: 660-96507  
Prep Batch: 660-96475

Instrument ID: ICPA  
Lab File ID: 10F28A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Calcium	82	304	75 - 125	3	20		J3
Potassium	109	112	75 - 125	2	20		
Magnesium	104	143	75 - 125	2	20		J3
Sodium	116	144	75 - 125	4	20		J3

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 660-96475

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-35929-D-1-B MS  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1531  
Date Prepared: 06/28/2010 0804

Analysis Batch: 660-96507  
Prep Batch: 660-96475

Instrument ID: ICPA  
Lab File ID: 10F28A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35929-D-1-C MSD  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1537  
Date Prepared: 06/28/2010 0804

Analysis Batch: 660-96507  
Prep Batch: 660-96475

Instrument ID: ICPA  
Lab File ID: 10F28A  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Boron	108	108	75 - 125	1	20		
Strontium	110	112	75 - 125	2	20		



## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 660-96603

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-96603/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1907  
Date Prepared: N/A

Analysis Batch: 660-96603  
Prep Batch: N/A  
Units: mg/L

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

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

### Lab Control Sample - Batch: 660-96603

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-96603/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1928  
Date Prepared: N/A

Analysis Batch: 660-96603  
Prep Batch: N/A  
Units: mg/L

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

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	1.01	101	90 - 110	
Chloride	10.0	9.83	98	90 - 110	
Sulfate	10.0	10.3	103	90 - 110	

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 660-96603

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-35863-E-3 MS ^100  
Client Matrix: Water  
Dilution: 100  
Date Analyzed: 06/29/2010 2033  
Date Prepared: N/A

Analysis Batch: 660-96603  
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: 660-35863-E-3 MSD  
Client Matrix: Water  
Dilution: 100  
Date Analyzed: 06/29/2010 2055  
Date Prepared: N/A

Analysis Batch: 660-96603  
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					
Sulfate	105	103	90 - 110	1	30		

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 660-96603

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-35894-I-3 MS ^1000  
Client Matrix: Water  
Dilution: 1000  
Date Analyzed: 06/30/2010 0157  
Date Prepared: N/A

Analysis Batch: 660-96603  
Prep Batch: N/A

Instrument ID: DIONEX2  
Lab File ID: 26.0000.TXT  
Initial Weight/Volume:  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35894-I-3 MSD  
Client Matrix: Water  
Dilution: 1000  
Date Analyzed: 06/30/2010 0218  
Date Prepared: N/A

Analysis Batch: 660-96603  
Prep Batch: N/A

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	103	103	90 - 110	0	30		
Chloride	104	105	90 - 110	0	30		
Sulfate	102	102	90 - 110	0	30		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 660-96706

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-96706/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/30/2010 1208  
Date Prepared: N/A

Analysis Batch: 660-96706  
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	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: 660-96706

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-96706/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/30/2010 1325  
Date Prepared: N/A

Analysis Batch: 660-96706  
Prep Batch: N/A  
Units: mg/L

Instrument ID: DIONEX 1  
Lab File ID: 12.0000.TXT  
Initial Weight/Volume:  
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	0.963	96	90 - 110	
Chloride	10.0	10.1	101	90 - 110	
Fluoride	1.00	0.924	92	90 - 110	

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 660-96706

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-35918-2  
Client Matrix: Water  
Dilution: 1000  
Date Analyzed: 06/30/2010 1528  
Date Prepared: N/A

Analysis Batch: 660-96706  
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: 660-35918-2  
Client Matrix: Water  
Dilution: 1000  
Date Analyzed: 06/30/2010 1545  
Date Prepared: N/A

Analysis Batch: 660-96706  
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					
Fluoride	86	86	90 - 110	0	30	J3	J3

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 660-96706

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-35894-I-1 MS ^1000  
Client Matrix: Water  
Dilution: 1000  
Date Analyzed: 06/30/2010 1927  
Date Prepared: N/A

Analysis Batch: 660-96706  
Prep Batch: N/A

Instrument ID: DIONEX 1  
Lab File ID: 30.0000.TXT  
Initial Weight/Volume:  
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35894-I-1 MSD  
Client Matrix: Water  
Dilution: 1000  
Date Analyzed: 06/30/2010 1945  
Date Prepared: N/A

Analysis Batch: 660-96706  
Prep Batch: N/A

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

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	96	96	90 - 110	0	30		
Chloride	105	105	90 - 110	0	30		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### 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: 660-35918-1

Sdg Number: 35918

### 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	<u>% Rec.</u>		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

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### 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: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 640-70364

Method: 353.2

Preparation: N/A

Lab Sample ID: MB 640-70364/1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1059  
Date Prepared: N/A

Analysis Batch: 640-70364  
Prep Batch: N/A  
Units: mg/L

Instrument ID: ASTORIA  
Lab File ID: NO2+NO30602810A1.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: 640-70364

Method: 353.2

Preparation: N/A

LCS Lab Sample ID: LCS 640-70364/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1101  
Date Prepared: N/A

Analysis Batch: 640-70364  
Prep Batch: N/A  
Units: mg/L

Instrument ID: ASTORIA  
Lab File ID: NO2+NO30602810A1.txt  
Initial Weight/Volume: 25.0 mL  
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70364/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1103  
Date Prepared: N/A

Analysis Batch: 640-70364  
Prep Batch: N/A  
Units: mg/L

Instrument ID: ASTORIA  
Lab File ID: NO2+NO30602810A1.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	99	99	90 - 110	0	30		



## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 640-70364

Method: 353.2

Preparation: N/A

MS Lab Sample ID: 640-28501-M-2 MS  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1216  
Date Prepared: N/A

Analysis Batch: 640-70364  
Prep Batch: N/A

Instrument ID: ASTORIA  
Lab File ID: NO2+NO30602810A1.txt  
Initial Weight/Volume: 25.0 mL  
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28501-M-2 MSD  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1217  
Date Prepared: N/A

Analysis Batch: 640-70364  
Prep Batch: N/A

Instrument ID: ASTORIA  
Lab File ID: NO2+NO30602810A1.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	90	91	90 - 110	0	30		

### Duplicate - Batch: 640-70364

Method: 353.2

Preparation: N/A

Lab Sample ID: 360-28875-B-1 DU  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/28/2010 1108  
Date Prepared: N/A

Analysis Batch: 640-70364  
Prep Batch: N/A  
Units: mg/L

Instrument ID: ASTORIA  
Lab File ID: NO2+NO30602810A1.txt  
Initial Weight/Volume: 25.0 mL  
Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate Nitrite as N	0.0047	U	0.0047	NC	30	U

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 640-70351

Lab Sample ID: MB 640-70351/1-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1039  
Date Prepared: 06/28/2010 1204

Analysis Batch: 640-70412  
Prep Batch: 640-70351  
Units: mg/L

### Method: 365.1

### Preparation: 365.2/365.3/365

Instrument ID: ASTORIA2  
Lab File ID: TP062910B.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: 640-70351

### Method: 365.1

### Preparation: 365.2/365.3/365

LCS Lab Sample ID: LCS 640-70351/3-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1042  
Date Prepared: 06/28/2010 1204

Analysis Batch: 640-70412  
Prep Batch: 640-70351  
Units: mg/L

Instrument ID: ASTORIA2  
Lab File ID: TP062910B.txt  
Initial Weight/Volume: 25.0 mL  
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-70351/4-A  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1043  
Date Prepared: 06/28/2010 1204

Analysis Batch: 640-70412  
Prep Batch: 640-70351  
Units: mg/L

Instrument ID: ASTORIA2  
Lab File ID: TP062910B.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	99	99	90 - 110	0	30		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 640-70351

### Method: 365.1

### Preparation: 365.2/365.3/365

MS Lab Sample ID: 640-28514-B-1-C MS  
Client Matrix: Water  
Dilution: 5.0  
Date Analyzed: 06/29/2010 1051  
Date Prepared: 06/28/2010 1204

Analysis Batch: 640-70412  
Prep Batch: 640-70351

Instrument ID: ASTORIA2  
Lab File ID: TP062910B.txt  
Initial Weight/Volume: 25.0 mL  
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28514-B-1-D MSD  
Client Matrix: Water  
Dilution: 5.0  
Date Analyzed: 06/29/2010 1052  
Date Prepared: 06/28/2010 1204

Analysis Batch: 640-70412  
Prep Batch: 640-70351

Instrument ID: ASTORIA2  
Lab File ID: TP062910B.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	70	41	90 - 110	1	30	J3	J3

### Duplicate - Batch: 640-70351

### Method: 365.1

### Preparation: 365.2/365.3/365

Lab Sample ID: 640-28514-B-1-B DU  
Client Matrix: Water  
Dilution: 5.0  
Date Analyzed: 06/29/2010 1049  
Date Prepared: 06/28/2010 1204

Analysis Batch: 640-70412  
Prep Batch: 640-70351  
Units: mg/L

Instrument ID: ASTORIA2  
Lab File ID: TP062910B.txt  
Initial Weight/Volume: 25.0 mL  
Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Phosphorus	4.3	4.33	1	30	

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 680-172887

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

### Method: 9060 Preparation: N/A

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

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

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 660-96565

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 660-96565/1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1057  
Date Prepared: N/A

Analysis Batch: 660-96565  
Prep Batch: N/A  
Units: mg/L

Instrument ID: MANTECH  
Lab File ID: 6.29.10.txt  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Alkalinity	1.0	U	1.0	1.0

### Lab Control Sample - Batch: 660-96565

Method: SM 2320B

Preparation: N/A

Lab Sample ID: LCS 660-96565/2  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1104  
Date Prepared: N/A

Analysis Batch: 660-96565  
Prep Batch: N/A  
Units: mg/L

Instrument ID: MANTECH  
Lab File ID: 6.29.10.txt  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

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

### Duplicate - Batch: 660-96565

Method: SM 2320B

Preparation: N/A

Lab Sample ID: 660-35915-G-1 DU  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/29/2010 1117  
Date Prepared: N/A

Analysis Batch: 660-96565  
Prep Batch: N/A  
Units: mg/L

Instrument ID: MANTECH  
Lab File ID: 6.29.10.txt  
Initial Weight/Volume: 50 mL  
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	71	71.7	1	30	
Carbonate Alkalinity as CaCO3	1.0 U	1.0	NC	30	U

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 660-96523

Method: SM 3500 CR B

Preparation: N/A

Lab Sample ID: MB 660-96523/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1025  
Date Prepared: N/A

Analysis Batch: 660-96523  
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: 660-96523

Method: SM 3500 CR B

Preparation: N/A

Lab Sample ID: LCS 660-96523/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1025  
Date Prepared: N/A

Analysis Batch: 660-96523  
Prep Batch: N/A  
Units: ug/L

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

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

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 660-96523

Method: SM 3500 CR B

Preparation: N/A

MS Lab Sample ID: 660-35918-1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1025  
Date Prepared: N/A

Analysis Batch: 660-96523  
Prep Batch: N/A

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

MSD Lab Sample ID: 660-35918-1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1025  
Date Prepared: N/A

Analysis Batch: 660-96523  
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)	104	104	85 - 115	0	20		

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 680-172902

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

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

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

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

Analyte	Result	Qual	MDL	PQL
Ammonia	0.026	U	0.026	0.050

### Lab Control Sample - Batch: 680-172902

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

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

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

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

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

### Matrix Spike/

### Matrix Spike Duplicate Recovery Report - Batch: 680-172902

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

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

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

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

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

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

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

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

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Duplicate - Batch: 680-172902

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

Lab Sample ID: 660-35894-A-2-B DU

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 06/29/2010 1700

Date Prepared: 06/29/2010 1511

Analysis Batch: 680-172931

Prep Batch: 680-172902

Units: mg/L

Instrument ID: KONELAB1

Lab File ID: KONE1062910B1NH3DIST.xl

Initial Weight/Volume: 6 mL

Final Weight/Volume: 6 mL

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



## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 640-70339

Method: SM 4500 P E

Preparation: N/A

Lab Sample ID: MB 640-70339/1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1455  
Date Prepared: N/A

Analysis Batch: 640-70339  
Prep Batch: N/A  
Units: mg/L

Instrument ID: ASTORIA2  
Lab File ID: OP062410C.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: 640-70339

Method: SM 4500 P E

Preparation: N/A

LCS Lab Sample ID: LCS 640-70339/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1458  
Date Prepared: N/A

Analysis Batch: 640-70339  
Prep Batch: N/A  
Units: mg/L

Instrument ID: ASTORIA2  
Lab File ID: OP062410C.txt  
Initial Weight/Volume: 25 mL  
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 640-70339/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/24/2010 1459  
Date Prepared: N/A

Analysis Batch: 640-70339  
Prep Batch: N/A  
Units: mg/L

Instrument ID: ASTORIA2  
Lab File ID: OP062410C.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	102	103	90 - 110	1	30	I	I

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Duplicate - Batch: 640-70339

Method: SM 4500 P E

Preparation: N/A

Lab Sample ID: 640-28504-K-1 DU

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 06/24/2010 1505

Date Prepared: N/A

Analysis Batch: 640-70339

Prep Batch: N/A

Units: mg/L

Instrument ID: ASTORIA2

Lab File ID: OP062410C.txt

Initial Weight/Volume: 25 mL

Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
ortho-Phosphate-Dissolved	0.014	I	0.0102	31.6	30	I J3

## Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35918-1

Sdg Number: 35918

### Method Blank - Batch: 660-96518

Method: SM 4500 S2 F

Preparation: N/A

Lab Sample ID: MB 660-96518/1  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/26/2010 1130  
Date Prepared: N/A

Analysis Batch: 660-96518  
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: 660-96518

Method: SM 4500 S2 F

Preparation: N/A

LCS Lab Sample ID: LCS 660-96518/2  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/26/2010 1130  
Date Prepared: N/A

Analysis Batch: 660-96518  
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 660-96518/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/26/2010 1130  
Date Prepared: N/A

Analysis Batch: 660-96518  
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	96	98	75 - 125	2	25		

Phone (813) 885-7427 Fax (813) 885-7043

660-35918

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SURVEY/PROJECT: FPL Turkey Point Water Monitoring METER MODEL# JSI 556 mps  
 SAMPLERS/ORGANIZATION: JSI Ecology METER SERIAL# 10A101789  
Stephen Roberts  
Steven Bligh Environ, Inc.

Station#	Date	Time	Total		Sample		Water		DO	DO	Cond	Salinity	pH	Turbidity	Comments
			Depth	Ft	Depth	Ft	Temp	Deg C							
885N-15	10/06/22	13:30	4.1		1 ft		31.32		6.45	101.9	45.22		8.45	0.94	
885N-10	10/06/22	14:14	4.1		3.1 ft		32.91		7.66	112.17	45.67		8.51	0.90	
885N-20	10/06/22	15:30	2.9		1.9 ft		31.91		7.80	120.2	48.64		8.65	0.91	
885N-55	10/06/23	11:08	6.3		1.0 ft		30.00		5.71	88.7	45.03		8.37	1.17	
885N-50	10/06/23	11:45	6.3		5.0 ft		30.2		6.10	95.0	45.04		8.41	1.27	
885N-45	10/06/23	12:58	8.3		1.0 ft		30.78		6.23	99.1	47.75		8.52	3.41	
885N-40	10/06/23	13:29	8.3		7.0		30.84		5.86	93.4	47.86		8.53	3.68	
885N-30	10/06/23	15:45	2.9		1.9		31.51		7.63	122.0	48.30		8.57	1.12	
070610-TRPCCS															
070610-TRPCCS															

NOTES:

## Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35918-1

SDG Number: 35918

Login Number: 35918

List Source: TestAmerica Tampa

Creator: McNulty, Carol

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.9, 3.6 degrees C CU-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	recd dic & doc -not on coc recd SR & tritium bottles for each-hold per pm
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

## Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35918-1

SDG Number: 35918

Login Number: 35918

List Source: TestAmerica Savannah

Creator: Kicklighter, Marilyn

List Creation: 06/25/10 10:01 AM

List Number: 1

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

## Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35918-1

SDG Number: 35918

Login Number: 35918

List Source: TestAmerica Tallahassee

Creator: Snead, Joshua

List Creation: 06/24/10 03:00 PM

List Number: 1

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