

ANALYTICAL REPORT

Job Number: 660-36274-1

SDG Number: 36274

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
9/8/2010 3:26 PM

Amy Atkins
Project Manager I
amy.atkins@testamericainc.com
09/08/2010

cc: Ms. Sharon Ewe

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

TestAmerica Laboratories, Inc.

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Job Narrative
660-36274-1

Receipt

All samples were received in good condition within temperature requirements.

Metals

Method 200.7 Rev 4.4: The following samples were diluted due to the nature of the sample matrix: 071510-TPSWCCS-6B (660-36274-1), 071510-TPSWCCS-6T (660-36274-2).

Method 200.7 Rev 4.4, 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Calcium, Potassium, Magnesium, Sodium, Boron and Strontium in batch 98759 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

General Chemistry

Method 300.0: The matrix spike duplicate (MSD) recovery for batch 98225 were outside control limits for Sulfate. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 98677 were outside control limits for Fluoride. The associated laboratory control sample (LCS) recovery met acceptance criteria. The data is flagged with J3.

Method 351.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 97699 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 71164 sample 28896-4 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 365.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 71097 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 365.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 71165 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method SM 4500 P E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 70988 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

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

Method SM 4500 S2 F: Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for batch 97509.

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36274-1	071510-TPSWCCS-6B				
Gross Alpha		21+-2	0.6	pCi/L	900.0
Field pH		4.25		SU	Field Sampling
Field Temperature		32.91		Degrees C	Field Sampling
Oxygen, Dissolved		4.77		mg/L	Field Sampling
Specific Conductance		74960		umhos/cm	Field Sampling
Turbidity		4.25		NTU	Field Sampling
Bromide		120	5.0	mg/L	300.0
Chloride		36000	500	mg/L	300.0
Sulfate		4900	500	mg/L	300.0
Nitrogen, Kjeldahl		1.6	0.20	mg/L	351.2
Nitrate Nitrite as N		0.030	0.010	mg/L	353.2
Phosphorus		0.019	0.010	mg/L	365.1
Alkalinity		150	1.0	mg/L	SM 2320B
Total Dissolved Solids		77000	250	mg/L	SM 2540C
Ammonia		0.12	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.6	0.21	mg/L	Total Nitrogen
<i>Dissolved</i>					
Dissolved Inorganic Carbon-Dissolved		29	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.073 I	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		78 I	100	ug/L	200.7 Rev 4.4
Boron		8900	500	ug/L	6010B
Calcium		810	5.0	mg/L	6010B
Potassium		810	200	mg/L	6010B
Strontium		16000	50	ug/L	6010B
Magnesium		2500	0.80	mg/L	6010B
Sodium		21000	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-36274-2	071510-TPSWCCS-6T				
Gross Alpha		25+-2	0.5	pCi/L	900.0
Field pH		8.18		SU	Field Sampling
Field Temperature		32.78		Degrees C	Field Sampling
Oxygen, Dissolved		4.73		mg/L	Field Sampling
Specific Conductance		75290		umhos/cm	Field Sampling
Turbidity		3.56		NTU	Field Sampling
Bromide		120	5.0	mg/L	300.0
Chloride		37000	500	mg/L	300.0
Sulfate		4900	500	mg/L	300.0
Nitrogen, Kjeldahl		1.7	0.20	mg/L	351.2
Nitrate Nitrite as N		0.080	0.010	mg/L	353.2
Phosphorus		0.016	0.010	mg/L	365.1
Alkalinity		150	1.0	mg/L	SM 2320B
Total Dissolved Solids		78000	250	mg/L	SM 2540C
Ammonia		0.12	0.050	mg/L	SM 4500 NH3 G
Nitrogen, Total		1.8	0.21	mg/L	Total Nitrogen
Unionized Ammonia		0.019	0.000017	mg/L	UnionizedNH3
<i>Dissolved</i>					
Dissolved Inorganic Carbon-Dissolved		31	1.0	mg/L	9060
ortho-Phosphate-Dissolved		0.074 I	0.50	mg/L	SM 4500 P E
<i>Total Recoverable</i>					
Barium		82 I	100	ug/L	200.7 Rev 4.4
Boron		8800	500	ug/L	6010B
Calcium		800	5.0	mg/L	6010B
Potassium		800	200	mg/L	6010B
Strontium		16000	50	ug/L	6010B
Magnesium		2500	0.80	mg/L	6010B
Sodium		20000	100	mg/L	6010B

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL SAV	40CFR136A 200.7 Rev 4.4	
Sample Filtration	TAL SAV		FILTRATION
Metals (ICP)	TAL TAL	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL TAL		EPA 200.7
Metals (ICP)	TAL TAM	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL TAM		SW846 3005A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Nitrogen, Total Kjeldahl	TAL TAM	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL TAM		MCAWW 351.2
Nitrogen, Nitrate-Nitrite	TAL TAL	MCAWW 353.2	
Phosphorus, Total	TAL TAL	EPA 365.1	
Phosphorus, Total	TAL TAL		MCAWW 365.2/365.3/365
Carbon, Dissolved and Dissolved Inorganic	TAL SAV	SW846 9060	
Sample Filtration, Field	TAL SAV		FIELD_FLTRD
Alkalinity	TAL TAM	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL TAM	SM SM 2540C	
Ammonia	TAL SAV	SM SM 4500 NH3 G	
Ammonia, Distillation	TAL SAV		SM SM 4500 NH3 B
Orthophosphate	TAL TAL	SM SM 4500 P E	
Sample Filtration, Field	TAL TAL		FIELD_FLTRD
Sulfide, Total	TAL TAM	SM SM 4500 S2 F	
Nitrogen, Total	TAL TAL	EPA Total Nitrogen	
Ammonia, Unionized	TAL SAV	FL-DEP UnionizedNH3	
Gross Alpha and Gross Beta Radioactivity	SC0009	EPA 900.0	
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

SC0009 = KNL Laboratory Services

TAL SAV = TestAmerica Savannah

TAL TAL = TestAmerica Tallahassee

TAL TAM = TestAmerica Tampa

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

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: 660-36274-1

Sdg Number: 36274

Method	Analyst	Analyst ID
EPA 900.0	ANALYST, SUBCONTRACTED	SUB
40CFR136A 200.7 Rev 4.4	Bland, Brian	BCB
EPA 200.7 Rev 4.4	Wallace, Tiffany B	TBW
SW846 6010B	Fox, Greg	GF
EPA Field Sampling	Sampler, Field	FS
MCAWW 300.0	Sengsouvana, Dom	DS
MCAWW 351.2	Office, Trey	TO
MCAWW 353.2	Williams, Tabatha D	TDW
EPA 365.1	Carlisle, Felicia F	FFC
SW846 9060	Blackshear, Kim	KB
SM SM 2320B	Steward, Tiffany	TS
SM SM 2540C	Oonnoony, Thomas	TO
SM SM 4500 NH3 G	Ross, Jon	JR
SM SM 4500 P E	Carlisle, Felicia F	FFC
SM SM 4500 S2 F	Mostafavifar, Efe	EM
EPA Total Nitrogen	Wallace, Tiffany B	TBW
FL-DEP UnionizedNH3	Ross, Jon	JR

SAMPLE SUMMARY

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-36274-1	071510-TPSWCCS-6B	Water	07/15/2010 1055	07/16/2010 0845
660-36274-2	071510-TPSWCCS-6T	Water	07/15/2010 1135	07/16/2010 0845

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Client Sample ID: 071510-TPSWCCS-6B

Lab Sample ID: 660-36274-1

Date Sampled: 07/15/2010 1055

Client Matrix: Water

Date Received: 07/16/2010 0845

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-71119	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-71054	Lab File ID:	072110.csv
Dilution:	1.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/21/2010 0943		Final Weight/Volume:	50 mL
Date Prepared:	07/20/2010 1050			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	78	I	8.1	100
Iron	27	U	27	500

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-175320	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E07262010_SI.csv
Dilution:	10		Initial Weight/Volume:	
Date Analyzed:	07/26/2010 1740		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	500	U	500	5000

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-98785	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-98759	Lab File ID:	10H17A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	08/17/2010 1557	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	08/17/2010 0727			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	810		1.0	5.0
Magnesium	2500		0.20	0.80

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

Method:	6010B	Analysis Batch: 660-98785	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-98759	Lab File ID:	10H17A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	08/17/2010 1610	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	08/17/2010 0727			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	810		38	200
Sodium	21000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Client Sample ID: 071510-TPSWCCS-6T

Lab Sample ID: 660-36274-2

Date Sampled: 07/15/2010 1135

Client Matrix: Water

Date Received: 07/16/2010 0845

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-71119	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-71054	Lab File ID:	072110.csv
Dilution:	1.0		Initial Weight/Volume:	5.0 mL
Date Analyzed:	07/21/2010 0947		Final Weight/Volume:	50 mL
Date Prepared:	07/20/2010 1050			

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

200.7 Rev 4.4 Metals (ICP)-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 680-175320	Instrument ID:	Varian ICP
Preparation:	N/A		Lab File ID:	E07262010_SI.csv
Dilution:	10		Initial Weight/Volume:	
Date Analyzed:	07/26/2010 1743		Final Weight/Volume:	1.0 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
SiO2, Silica	500	U	500	5000

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-98785	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-98759	Lab File ID:	10H17A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	08/17/2010 1603	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	08/17/2010 0727			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	800		1.0	5.0
Magnesium	2500		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	8800		100	500
Strontium	16000		10	50

Method:	6010B	Analysis Batch: 660-98785	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-98759	Lab File ID:	10H17A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	08/17/2010 1616	Run Type: DL2	Final Weight/Volume:	50 mL
Date Prepared:	08/17/2010 0727			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Potassium	800		38	200
Sodium	20000		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

General Chemistry

Client Sample ID: 071510-TPSWCCS-6B

Lab Sample ID: 660-36274-1

Client Matrix: Water

Date Sampled: 07/15/2010 1055

Date Received: 07/16/2010 0845

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	120		mg/L	2.7	5.0	100	300.0
Run Type: DL2	Analysis Batch: 660-98225	Date Analyzed: 08/05/2010 0748					
Chloride	36000		mg/L	200	500	1000	300.0
Run Type: DL	Analysis Batch: 660-98225	Date Analyzed: 08/05/2010 0454					
Fluoride	0.10	U Q J3	mg/L	0.10	0.25	5.0	300.0
Run Type: RA	Analysis Batch: 660-98677	Date Analyzed: 08/13/2010 1321					
Sulfate	4900		mg/L	200	500	1000	300.0
Run Type: DL	Analysis Batch: 660-98225	Date Analyzed: 08/05/2010 0454					
Nitrogen, Kjeldahl	1.6		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-97699	Date Analyzed: 07/26/2010 1355					
	Prep Batch: 660-97595	Date Prepared: 07/23/2010 1130					
Nitrate Nitrite as N	0.030		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-71164	Date Analyzed: 07/22/2010 1344					
Phosphorus	0.019		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-71165	Date Analyzed: 07/22/2010 1246					
	Prep Batch: 640-71093	Date Prepared: 07/21/2010 1120					
Ammonia	0.12		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-175620	Date Analyzed: 07/28/2010 1702					
	Prep Batch: 680-175577	Date Prepared: 07/28/2010 1406					
ortho-Phosphate-Dissolved	0.073	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70988	Date Analyzed: 07/16/2010 1531					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	29		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-175700	Date Analyzed: 07/29/2010 0738					
Alkalinity	150		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-97813	Date Analyzed: 07/28/2010 1306					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-97813	Date Analyzed: 07/28/2010 1306					
Total Dissolved Solids	77000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-97364	Date Analyzed: 07/19/2010 1346					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-97509	Date Analyzed: 07/19/2010 1500					
Nitrogen, Total	1.6		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-71337	Date Analyzed: 07/28/2010 1015					
Unionized Ammonia	0.000017	U	mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-175858	Date Analyzed: 07/28/2010 1730					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

General Chemistry

Client Sample ID: 071510-TPSWCCS-6T

Lab Sample ID: 660-36274-2

Date Sampled: 07/15/2010 1135

Client Matrix: Water

Date Received: 07/16/2010 0845

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	120		mg/L	2.7	5.0	100	300.0
Run Type: DL2	Analysis Batch: 660-98225	Date Analyzed: 08/05/2010 0809					
Chloride	37000		mg/L	200	500	1000	300.0
Run Type: DL	Analysis Batch: 660-98225	Date Analyzed: 08/05/2010 0516					
Fluoride	0.10	U Q J3	mg/L	0.10	0.25	5.0	300.0
Run Type: RA	Analysis Batch: 660-98677	Date Analyzed: 08/13/2010 1343					
Sulfate	4900		mg/L	200	500	1000	300.0
Run Type: DL	Analysis Batch: 660-98225	Date Analyzed: 08/05/2010 0516					
Nitrogen, Kjeldahl	1.7		mg/L	0.050	0.20	1.0	351.2
	Analysis Batch: 660-97699	Date Analyzed: 07/26/2010 1355					
	Prep Batch: 660-97595	Date Prepared: 07/23/2010 1130					
Nitrate Nitrite as N	0.080		mg/L	0.0047	0.010	1.0	353.2
	Analysis Batch: 640-71164	Date Analyzed: 07/22/2010 1345					
Phosphorus	0.016		mg/L	0.0044	0.010	1.0	365.1
	Analysis Batch: 640-71097	Date Analyzed: 07/21/2010 1215					
	Prep Batch: 640-71078	Date Prepared: 07/20/2010 1656					
Ammonia	0.12		mg/L	0.026	0.050	1.0	SM 4500 NH3
	Analysis Batch: 680-175620	Date Analyzed: 07/28/2010 1703					
	Prep Batch: 680-175577	Date Prepared: 07/28/2010 1406					
ortho-Phosphate-Dissolved	0.074	I	mg/L	0.014	0.50	10	SM 4500 P E
	Analysis Batch: 640-70988	Date Analyzed: 07/16/2010 1532					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	31		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-175700	Date Analyzed: 07/29/2010 0738					
Alkalinity	150		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-97813	Date Analyzed: 07/28/2010 1318					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-97813	Date Analyzed: 07/28/2010 1318					
Total Dissolved Solids	78000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-97364	Date Analyzed: 07/19/2010 1346					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-97509	Date Analyzed: 07/19/2010 1500					
Nitrogen, Total	1.8		mg/L	0.21	0.21	1.0	Total Nitrogen
	Analysis Batch: 640-71337	Date Analyzed: 07/28/2010 1015					
Unionized Ammonia	0.019		mg/L	0.000017	0.000017	1.0	UnionizedNH3
	Analysis Batch: 680-175858	Date Analyzed: 07/28/2010 1730					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Client Sample ID: 071510-TPSWCCS-6B

Lab Sample ID: 660-36274-1

Date Sampled: 07/15/2010 1055

Client Matrix: Water

% Moisture:

Date Received: 07/16/2010 0845

900.0 Gross Alpha and Gross Beta Radioactivity

Method:	900.0	Analysis Batch: 660-97669	Instrument ID:	NOEQUIP
Preparation:	N/A		Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.0 mL
Date Analyzed:	07/22/2010 1515		Final Weight/Volume:	1.0 mL
Date Prepared:			Injection Volume:	

Analyte	Result (pCi/L)	Qualifier	PQL
Gross Alpha	21+-2		0.6

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Client Sample ID: 071510-TPSWCCS-6T

Lab Sample ID: 660-36274-2

Date Sampled: 07/15/2010 1135

Client Matrix: Water

% Moisture:

Date Received: 07/16/2010 0845

900.0 Gross Alpha and Gross Beta Radioactivity

Method:	900.0	Analysis Batch: 660-97669	Instrument ID:	NOEQUIP
Preparation:	N/A		Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.0 mL
Date Analyzed:	07/22/2010 1515		Final Weight/Volume:	1.0 mL
Date Prepared:			Injection Volume:	

Analyte	Result (pCi/L)	Qualifier	PQL
Gross Alpha	25+-2		0.5

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Field Service / Mobile Lab**Client Sample ID:** 071510-TPSWCCS-6B

Lab Sample ID: 660-36274-1

Date Sampled: 07/15/2010 1055

Client Matrix: Water

Date Received: 07/16/2010 0845

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	4.25		SU	1.0	Field Sampling	660-97501	07/15/2010 1055
Field Temperature	32.91		Degrees C	1.0	Field Sampling	660-97501	07/15/2010 1055
Oxygen, Dissolved	4.77		mg/L	1.0	Field Sampling	660-97501	07/15/2010 1055
Specific Conductance	74960		umhos/cm	1.0	Field Sampling	660-97501	07/15/2010 1055
Turbidity	4.25		NTU	1.0	Field Sampling	660-97501	07/15/2010 1055

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Field Service / Mobile Lab**Client Sample ID:** 071510-TPSWCCS-6T

Lab Sample ID: 660-36274-2

Date Sampled: 07/15/2010 1135

Client Matrix: Water

Date Received: 07/16/2010 0845

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	8.18		SU	1.0	Field Sampling	660-97501	07/15/2010 1135
Field Temperature	32.78		Degrees C	1.0	Field Sampling	660-97501	07/15/2010 1135
Oxygen, Dissolved	4.73		mg/L	1.0	Field Sampling	660-97501	07/15/2010 1135
Specific Conductance	75290		umhos/cm	1.0	Field Sampling	660-97501	07/15/2010 1135
Turbidity	3.56		NTU	1.0	Field Sampling	660-97501	07/15/2010 1135

DATA REPORTING QUALIFIERS

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

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: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 680-175320

Method: 200.7 Rev 4.4

Preparation: N/A

Lab Sample ID: MB 680-175300/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/26/2010 1446
Date Prepared: N/A

Analysis Batch: 680-175320
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: E07262010_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: 680-175320

Method: 200.7 Rev 4.4

Preparation: N/A

Lab Sample ID: LCS 680-175300/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/26/2010 1449
Date Prepared: N/A

Analysis Batch: 680-175320
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: E07262010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
SiO2, Silica	10000	9640	96	85 - 115	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-175320

Method: 200.7 Rev 4.4

Preparation: N/A

MS Lab Sample ID: 680-59333-C-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/26/2010 1508
Date Prepared: N/A

Analysis Batch: 680-175320
Prep Batch: N/A

Instrument ID: Varian ICP
Lab File ID: E07262010_SI.csv
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

MSD Lab Sample ID: 680-59333-C-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/26/2010 1511
Date Prepared: N/A

Analysis Batch: 680-175320
Prep Batch: N/A

Instrument ID: Varian ICP
Lab File ID: E07262010_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	95	96	75 - 125	1	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 640-71054

Lab Sample ID: MB 640-71054/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 0957
Date Prepared: 07/20/2010 1050

Analysis Batch: 640-71119
Prep Batch: 640-71054
Units: ug/L

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Instrument ID: ICP2
Lab File ID: 072110.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Barium	0.81	U	0.81	10
Iron	13.5	I	2.7	50

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 640-71054

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

LCS Lab Sample ID: LCS 640-71054/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1007
Date Prepared: 07/20/2010 1050

Analysis Batch: 640-71119
Prep Batch: 640-71054
Units: ug/L

Instrument ID: ICP2
Lab File ID: 072110.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-71054/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1011
Date Prepared: 07/20/2010 1050

Analysis Batch: 640-71119
Prep Batch: 640-71054
Units: ug/L

Instrument ID: ICP2
Lab File ID: 072110.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Barium	107	105	85 - 115	2	20		
Iron	104	102	85 - 115	2	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-71054

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

MS Lab Sample ID: 660-36167-O-1-F MS
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/21/2010 0905
 Date Prepared: 07/20/2010 1050

Analysis Batch: 640-71119
 Prep Batch: 640-71054

Instrument ID: ICP2
 Lab File ID: 072110.csv
 Initial Weight/Volume: 5.0 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36167-O-1-G MSD
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/21/2010 0909
 Date Prepared: 07/20/2010 1050

Analysis Batch: 640-71119
 Prep Batch: 640-71054

Instrument ID: ICP2
 Lab File ID: 072110.csv
 Initial Weight/Volume: 5.0 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Barium	104	103	70 - 130	2	20		
Iron	99	98	70 - 130	1	20		

Duplicate - Batch: 640-71054

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Lab Sample ID: 660-36167-O-1-E DU
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/21/2010 0902
 Date Prepared: 07/20/2010 1050

Analysis Batch: 640-71119
 Prep Batch: 640-71054
 Units: ug/L

Instrument ID: ICP2
 Lab File ID: 072110.csv
 Initial Weight/Volume: 5.0 mL
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Barium	82	I	74.0	11	20	I
Iron	27	U	27	NC	20	U

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 660-98759

Lab Sample ID: MB 660-98759/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2010 1259
Date Prepared: 08/17/2010 0727

Analysis Batch: 660-98785
Prep Batch: 660-98759
Units: mg/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 10H17A
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: 660-98759

Lab Sample ID: MB 660-98759/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2010 1259
Date Prepared: 08/17/2010 0727

Analysis Batch: 660-98785
Prep Batch: 660-98759
Units: ug/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 10H17A
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: 660-36274-1

Sdg Number: 36274

Lab Control Sample - Batch: 660-98759

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-98759/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2010 1305
Date Prepared: 08/17/2010 0727

Analysis Batch: 660-98785
Prep Batch: 660-98759
Units: mg/L

Instrument ID: ICPA
Lab File ID: 10H17A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	1.00	1.06	106	75 - 125	
Potassium	10.0	10.2	102	75 - 125	
Magnesium	1.00	1.04	104	75 - 125	
Sodium	10.0	10.3	103	75 - 125	

Lab Control Sample - Batch: 660-98759

Method: 6010B
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 660-98759/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2010 1305
Date Prepared: 08/17/2010 0727

Analysis Batch: 660-98785
Prep Batch: 660-98759
Units: ug/L

Instrument ID: ICPA
Lab File ID: 10H17A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Boron	1000	1010	101	75 - 125	
Strontium	1000	1080	108	75 - 125	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-98759

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-36686-D-6-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2010 1454
Date Prepared: 08/17/2010 0727

Analysis Batch: 660-98785
Prep Batch: 660-98759

Instrument ID: ICPA
Lab File ID: 10H17A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36686-D-6-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2010 1500
Date Prepared: 08/17/2010 0727

Analysis Batch: 660-98785
Prep Batch: 660-98759

Instrument ID: ICPA
Lab File ID: 10H17A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Calcium	-36300	-35200	75 - 125	1	20	J3	J3
Potassium	-2890	-2830	75 - 125	1	20	J3	J3
Magnesium	693	744	75 - 125	0	20	J3	J3
Sodium	4810	4960	75 - 125	1	20	J3	J3

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-98759

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-36686-D-6-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2010 1454
Date Prepared: 08/17/2010 0727

Analysis Batch: 660-98785
Prep Batch: 660-98759

Instrument ID: ICPA
Lab File ID: 10H17A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36686-D-6-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2010 1500
Date Prepared: 08/17/2010 0727

Analysis Batch: 660-98785
Prep Batch: 660-98759

Instrument ID: ICPA
Lab File ID: 10H17A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Boron	137	138	75 - 125	0	20	J3	J3
Strontium	5	4	75 - 125	0	20	J3	J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 660-98225

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-98225/11

Analysis Batch: 660-98225

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: 08/05/2010 0034

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
Sulfate	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-98225

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-98225/12

Analysis Batch: 660-98225

Instrument ID: DIONEX2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: 12.0000.TXT

Dilution: 1.0

Units: mg/L

Initial Weight/Volume:

Date Analyzed: 08/05/2010 0056

Final Weight/Volume: 1 mL

Date Prepared: N/A

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	0.991	99	90 - 110	
Chloride	10.0	10.0	100	90 - 110	
Sulfate	10.0	10.9	109	90 - 110	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-98225

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-36448-M-1 MS ^10
Client Matrix: Water
Dilution: 10
Date Analyzed: 08/05/2010 0222
Date Prepared: N/A

Analysis Batch: 660-98225
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 16.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-36448-M-1 MSD ^10
Client Matrix: Water
Dilution: 10
Date Analyzed: 08/05/2010 0244
Date Prepared: N/A

Analysis Batch: 660-98225
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 17.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	103	107	90 - 110	3	30		
Chloride	107	109	90 - 110	1	30		
Sulfate	110	111	90 - 110	1	30		J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 660-98677

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 660-98677/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/13/2010 1238
Date Prepared: N/A

Analysis Batch: 660-98677
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	Result	Qual	MDL	PQL
Fluoride	0.020	U	0.020	0.050

Lab Control Sample - Batch: 660-98677

Method: 300.0

Preparation: N/A

Lab Sample ID: LCS 660-98677/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/13/2010 1259
Date Prepared: N/A

Analysis Batch: 660-98677
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 12.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Fluoride	1.00	0.984	98	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-98677

Method: 300.0

Preparation: N/A

MS Lab Sample ID: 660-36274-2RA
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 08/13/2010 1404
Date Prepared: N/A

Analysis Batch: 660-98677
Prep Batch: N/A
Run Type: RA

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

MSD Lab Sample ID: 660-36274-2RA
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 08/13/2010 1426
Date Prepared: N/A

Analysis Batch: 660-98677
Prep Batch: N/A
Run Type: RA

Instrument ID: DIONEX2
Lab File ID: 16.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

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

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 660-97595

Method: 351.2

Preparation: 351.2

Lab Sample ID: MB 660-97595/10-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/26/2010 1355
Date Prepared: 07/23/2010 1130

Analysis Batch: 660-97699
Prep Batch: 660-97595
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: 660-97595

Method: 351.2

Preparation: 351.2

Lab Sample ID: LCS 660-97595/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/26/2010 1355
Date Prepared: 07/23/2010 1130

Analysis Batch: 660-97699
Prep Batch: 660-97595
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	3.22	107	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-97595

Method: 351.2

Preparation: 351.2

MS Lab Sample ID: 660-36253-A-8-C MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/26/2010 1355
Date Prepared: 07/23/2010 1130

Analysis Batch: 660-97699
Prep Batch: 660-97595

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

MSD Lab Sample ID: 660-36253-A-8-D MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/26/2010 1355
Date Prepared: 07/23/2010 1130

Analysis Batch: 660-97699
Prep Batch: 660-97595

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	75	88	90 - 110	11	30	J3	J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 640-71164

Method: 353.2

Preparation: N/A

Lab Sample ID: MB 640-71164/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 1245
Date Prepared: N/A

Analysis Batch: 640-71164
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3072210A1.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: 640-71164

Method: 353.2

Preparation: N/A

LCS Lab Sample ID: LCS 640-71164/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 1308
Date Prepared: N/A

Analysis Batch: 640-71164
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3072210A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-71164/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 1309
Date Prepared: N/A

Analysis Batch: 640-71164
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA
Lab File ID: NO2+NO3072210A1.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Nitrate Nitrite as N	98	98	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-71164

Method: 353.2

Preparation: N/A

MS Lab Sample ID: 640-28896-E-4 MS
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/22/2010 1331
 Date Prepared: N/A

Analysis Batch: 640-71164
 Prep Batch: N/A

Instrument ID: ASTORIA
 Lab File ID: NO2+NO3072210A1.txt
 Initial Weight/Volume: 25.0 mL
 Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28896-E-4 MSD
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/22/2010 1332
 Date Prepared: N/A

Analysis Batch: 640-71164
 Prep Batch: N/A

Instrument ID: ASTORIA
 Lab File ID: NO2+NO3072210A1.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	68	66	90 - 110	3	30	J3	J3

Duplicate - Batch: 640-71164

Method: 353.2

Preparation: N/A

Lab Sample ID: 360-29170-C-1 DU
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 07/22/2010 1255
 Date Prepared: N/A

Analysis Batch: 640-71164
 Prep Batch: N/A
 Units: mg/L

Instrument ID: ASTORIA
 Lab File ID: NO2+NO3072210A1.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: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 640-71078

Lab Sample ID: MB 640-71078/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1124
Date Prepared: 07/20/2010 1656

Analysis Batch: 640-71097
Prep Batch: 640-71078
Units: mg/L

Method: 365.1

Preparation: 365.2/365.3/365

Instrument ID: ASTORIA2
Lab File ID: TP072110A.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: 640-71078

Method: 365.1

Preparation: 365.2/365.3/365

LCS Lab Sample ID: LCS 640-71078/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1127
Date Prepared: 07/20/2010 1656

Analysis Batch: 640-71097
Prep Batch: 640-71078
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP072110A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-71078/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1128
Date Prepared: 07/20/2010 1656

Analysis Batch: 640-71097
Prep Batch: 640-71078
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP072110A.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	108	107	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-71078

Method: 365.1

Preparation: 365.2/365.3/365

MS Lab Sample ID: 660-36195-A-3-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1204
Date Prepared: 07/20/2010 1656

Analysis Batch: 640-71097
Prep Batch: 640-71078

Instrument ID: ASTORIA2
Lab File ID: TP072110A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 660-36195-A-3-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1206
Date Prepared: 07/20/2010 1656

Analysis Batch: 640-71097
Prep Batch: 640-71078

Instrument ID: ASTORIA2
Lab File ID: TP072110A.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	33	35	90 - 110	3	30	J3	J3

Duplicate - Batch: 640-71078

Method: 365.1

Preparation: 365.2/365.3/365

Lab Sample ID: 640-28856-A-1-C DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/21/2010 1134
Date Prepared: 07/20/2010 1656

Analysis Batch: 640-71097
Prep Batch: 640-71078
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP072110A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Phosphorus	0.23	0.206	13	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 640-71093

Lab Sample ID: MB 640-71093/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 1152
Date Prepared: 07/21/2010 1120

Analysis Batch: 640-71165
Prep Batch: 640-71093
Units: mg/L

Method: 365.1

Preparation: 365.2/365.3/365

Instrument ID: ASTORIA2
Lab File ID: TP072210A.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: 640-71093

Method: 365.1

Preparation: 365.2/365.3/365

LCS Lab Sample ID: LCS 640-71093/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 1155
Date Prepared: 07/21/2010 1120

Analysis Batch: 640-71165
Prep Batch: 640-71093
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP072210A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

LCSD Lab Sample ID: LCSD 640-71093/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 1156
Date Prepared: 07/21/2010 1120

Analysis Batch: 640-71165
Prep Batch: 640-71093
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP072210A.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	109	108	90 - 110	1	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-71093

Method: 365.1

Preparation: 365.2/365.3/365

MS Lab Sample ID: 640-28946-A-2-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 1232
Date Prepared: 07/21/2010 1120

Analysis Batch: 640-71165
Prep Batch: 640-71093

Instrument ID: ASTORIA2
Lab File ID: TP072210A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

MSD Lab Sample ID: 640-28946-A-2-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2010 1234
Date Prepared: 07/21/2010 1120

Analysis Batch: 640-71165
Prep Batch: 640-71093

Instrument ID: ASTORIA2
Lab File ID: TP072210A.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	76	76	90 - 110	0	30	J3	J3

Duplicate - Batch: 640-71093

Method: 365.1

Preparation: 365.2/365.3/365

Lab Sample ID: 640-28931-B-1-B DU
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 07/22/2010 1359
Date Prepared: 07/21/2010 1120

Analysis Batch: 640-71165
Prep Batch: 640-71093
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: TP072210A.txt
Initial Weight/Volume: 25.0 mL
Final Weight/Volume: 25.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Phosphorus	0.021	0.0194	10	30	I

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 680-175700

Method: 9060

Preparation: N/A

Lab Sample ID: MB 680-175700/1

Analysis Batch: 680-175700

Instrument ID: TOC3

Client Matrix: Water

Prep Batch: N/A

Lab File ID: N/A

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 25 mL

Date Analyzed: 07/29/2010 0738

Final Weight/Volume: 25 mL

Date Prepared: N/A

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

Lab Control Sample - Batch: 680-175700

Method: 9060

Preparation: N/A

Lab Sample ID: LCS 680-175700/2

Analysis Batch: 680-175700

Instrument ID: TOC3

Client Matrix: Water

Prep Batch: N/A

Lab File ID: N/A

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 25 mL

Date Analyzed: 07/29/2010 0738

Final Weight/Volume: 25 mL

Date Prepared: N/A

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dissolved Inorganic Carbon-Dissolved	20.0	19.8	99		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 660-97813

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 660-97813/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2010 1253
Date Prepared: N/A

Analysis Batch: 660-97813
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.28.10.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: 660-97813

Method: SM 2320B

Preparation: N/A

Lab Sample ID: LCS 660-97813/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2010 1300
Date Prepared: N/A

Analysis Batch: 660-97813
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.28.10.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	118	118	100	80 - 120	

Duplicate - Batch: 660-97813

Method: SM 2320B

Preparation: N/A

Lab Sample ID: 660-36274-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2010 1312
Date Prepared: N/A

Analysis Batch: 660-97813
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 7.28.10.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	150	150	2	30	
Carbonate Alkalinity as CaCO ₃	1.0 U	1.0	NC	30	U

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 660-97364

Method: SM 2540C

Preparation: N/A

Lab Sample ID: MB 660-97364/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2010 1346
Date Prepared: N/A

Analysis Batch: 660-97364
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: 660-97364

Method: SM 2540C

Preparation: N/A

Lab Sample ID: LCS 660-97364/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2010 1346
Date Prepared: N/A

Analysis Batch: 660-97364
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	10000	100	80 - 120	

Duplicate - Batch: 660-97364

Method: SM 2540C

Preparation: N/A

Lab Sample ID: 660-36270-B-6 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2010 1346
Date Prepared: N/A

Analysis Batch: 660-97364
Prep Batch: N/A
Units: mg/L

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

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	170	156	6	20	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 680-175577

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

Lab Sample ID: MB 680-175577/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2010 1645
Date Prepared: 07/28/2010 1406

Analysis Batch: 680-175620
Prep Batch: 680-175577
Units: mg/L

Instrument ID: KONELAB1
Lab File ID: KONE10728101NH3DIST.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 - Batch: 680-175577

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

Lab Sample ID: LCS 680-175577/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2010 1645
Date Prepared: 07/28/2010 1406

Analysis Batch: 680-175620
Prep Batch: 680-175577
Units: mg/L

Instrument ID: KONELAB1
Lab File ID: KONE10728101NH3DIST.xls
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	1.00	0.924	92	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-175577

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

MS Lab Sample ID: 660-36059-C-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2010 1645
Date Prepared: 07/28/2010 1406

Analysis Batch: 680-175620
Prep Batch: 680-175577

Instrument ID: KONELAB1
Lab File ID: KONE10728101NH3DIST.xls
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

MSD Lab Sample ID: 660-36059-C-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/28/2010 1645
Date Prepared: 07/28/2010 1406

Analysis Batch: 680-175620
Prep Batch: 680-175577

Instrument ID: KONELAB1
Lab File ID: KONE10728101NH3DIST.xls
Initial Weight/Volume: 6 mL
Final Weight/Volume: 6 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ammonia	97	95	90 - 110	1	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Duplicate - Batch: 680-175577

Method: SM 4500 NH3 G

Preparation: SM 4500 NH3 B

Lab Sample ID: 660-36118-B-4-B DU

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 07/28/2010 1655

Date Prepared: 07/28/2010 1406

Analysis Batch: 680-175620

Prep Batch: 680-175577

Units: mg/L

Instrument ID: KONELAB1

Lab File ID: KONE10728101NH3DIST.xls

Initial Weight/Volume: 6 mL

Final Weight/Volume: 6 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Ammonia	0.22	0.187	14	30	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 640-70988

Method: SM 4500 P E

Preparation: N/A

Lab Sample ID: MB 640-70988/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1518
Date Prepared: N/A

Analysis Batch: 640-70988
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP071610A.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: 640-70988

Method: SM 4500 P E

Preparation: N/A

LCS Lab Sample ID: LCS 640-70988/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1520
Date Prepared: N/A

Analysis Batch: 640-70988
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP071610A.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 640-70988/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/16/2010 1522
Date Prepared: N/A

Analysis Batch: 640-70988
Prep Batch: N/A
Units: mg/L

Instrument ID: ASTORIA2
Lab File ID: OP071610A.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	99	90 - 110	3	30	I	I

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-70988

Method: SM 4500 P E

Preparation: N/A

MS Lab Sample ID: 660-36273-A-2 MS
 Client Matrix: Water
 Dilution: 25
 Date Analyzed: 07/16/2010 1528
 Date Prepared: N/A

Analysis Batch: 640-70988
 Prep Batch: N/A

Instrument ID: ASTORIA2
 Lab File ID: OP071610A.txt
 Initial Weight/Volume: 25 mL
 Final Weight/Volume: 25 mL

MSD Lab Sample ID: 660-36273-A-2 MSD
 Client Matrix: Water
 Dilution: 25
 Date Analyzed: 07/16/2010 1530
 Date Prepared: N/A

Analysis Batch: 640-70988
 Prep Batch: N/A

Instrument ID: ASTORIA2
 Lab File ID: OP071610A.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	208	200	90 - 110	2	30	J3	J3

Duplicate - Batch: 640-70988

Method: SM 4500 P E

Preparation: N/A

Lab Sample ID: 660-36273-A-2 DU
 Client Matrix: Water
 Dilution: 25
 Date Analyzed: 07/16/2010 1527
 Date Prepared: N/A

Analysis Batch: 640-70988
 Prep Batch: N/A
 Units: mg/L

Instrument ID: ASTORIA2
 Lab File ID: OP071610A.txt
 Initial Weight/Volume: 25 mL
 Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
ortho-Phosphate-Dissolved	1.5	1.45	0.297	30	J3

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-36274-1

Sdg Number: 36274

Method Blank - Batch: 660-97509

Method: SM 4500 S2 F

Preparation: N/A

Lab Sample ID: MB 660-97509/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2010 1500
Date Prepared: N/A

Analysis Batch: 660-97509
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: 660-97509

Method: SM 4500 S2 F

Preparation: N/A

LCS Lab Sample ID: LCS 660-97509/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2010 1500
Date Prepared: N/A

Analysis Batch: 660-97509
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 660-97509/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/19/2010 1500
Date Prepared: N/A

Analysis Batch: 660-97509
Prep Batch: N/A
Units: mg/L

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

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Sulfide	93	94	75 - 125	2	25		

METER MODEL# 981 556 MP5

METER SERIAL# 10D101277

penp H -

1316 #181
1322 #182

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Report Date: July 23, 2010

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

TestAmerica Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Amy Atkins

Field Custody: Client
Client/Field ID: 660-36274-1
071510-TPSWCCS
6B
Sample Collection: 7-15-10/1055
Lab ID No: 10.4753
Lab Custody Date: 7-20-10/0945
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	21 ± 2	07-22-10/1515	EPA 00-02	0.6

A handwritten signature in cursive script, reading "James W. Hayes".

James W. Hayes
Laboratory Manager

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



Report Date: July 23, 2010

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

TestAmerica Tampa
6712 Benjamin Road
Tampa, FL 33634

Attn: Amy Atkins

Field Custody: Client
Client/Field ID: 660-36274-2
071510-TPSWCCS
6T
Sample Collection: 7-15-10/1135
Lab ID No: 10.4754
Lab Custody Date: 7-20-10/0945
Sample description: Water

CERTIFICATE OF ANALYSIS

Parameter	Units	Results	Analysis Date	Method	Detection Limit
Gross Alpha	pCi/l	25 ± 2	07-22-10/1515	EPA 00-02	0.5

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

James W. Hayes
Laboratory Manager

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

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

THE LEADER IN ENVIRONMENTAL TESTING

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Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-36274-1

SDG Number: 36274

Login Number: 36274

List Source: TestAmerica Tampa

Creator: McNulty, Carol

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.8 degrees C CU-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-36274-1

SDG Number: 36274

Login Number: 36274

List Source: TestAmerica Savannah

Creator: Conner, Keaton

List Creation: 07/20/10 08:52 AM

List Number: 1

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

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-36274-1

SDG Number: 36274

Login Number: 36274

List Source: TestAmerica Tallahassee

Creator: Archie, Datiska

List Creation: 07/16/10 02:22 PM

List Number: 1

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

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-36274-1

SDG Number: 36274

Login Number: 36274

List Source: TestAmerica Tallahassee

Creator: Snead, Joshua

List Creation: 07/17/10 02:04 PM

List Number: 2

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