

FPL Turkey Point Uprate Monitoring Project  
 June 2015 Quarterly Sampling Event  
 SDG: Qtr 2 2015 SW

Parameter	Units	TPBBSW-3B	TPBBSW-4B	TPBBSW-5B	TPSWC-1T	TPSWC-1B	TPSWC-2T	TPSWC-2B	TPSWC-3T	TPSWC-3B	TPSWC-4T	TPSWC-4B	TPSWC-5T	TPSWC-5B	TPSWC-6T	TPSWC-6B	TPSWID-1T	TPSWID-1B						
		06/03/2015	06/03/2015	06/03/2015	05/31/2015	05/31/2015	05/31/2015	05/31/2015	05/31/2015	05/31/2015	05/31/2015	05/31/2015	05/31/2015	05/31/2015	05/31/2015	06/09/2015	06/09/2015	05/31/2015	05/31/2015					
Temperature	°C	26.80	27.30	27.59	30.14	28.62	29.60	28.81	30.55	29.25	31.44	32.33	30.64	29.49	25.52	25.71	30.70	31.75						
pH	SU	8.57	8.45	8.32	7.83	7.55	7.96	7.78	7.92	7.73	7.66	7.66	7.97	8.16	7.27	7.27	7.92	6.77						
Dissolved Oxygen	mg/L	4.91	5.39	5.31	7.00	4.63	6.95	5.18	6.58	5.31	4.27	4.90	5.40	4.81	1.38	1.41	6.36	6.47						
Spec Cond	µS/cm	61068	60789	60768	1456	1457	1508	1501	1763	1782	36476	43043	59228	59912	742	748	9201	24467						
Turbidity	NTU	0.47	0.43	0.58	1.81		1.26		1.74		1.96		0.60		0.32	1.15	0.83							
Sodium	mg/L	11800	11700	11800	149	150	152	153	194	201	6740	8060	11900	12000	44	45	1450	3680						
Chloride	mg/L	22600	22300	22500	288	300	312	319	399	410	12300	15700	21600	21800	81	83	2660	7950						
Salinity	*	41.0	40.75	40.7	0.72	J	0.73	J	0.75	J	0.88	J	0.89	J	22.89	27.58	39.44	40	0.36	J	0.36	J	5.11	14.73
Tritium	pCi/L (1σ)																							

NOTES:

Laboratory results are reported with 3 digits although only the first 2 are significant figures.  
 \* PSS-78 salinity is unitless.

060415-DUP is a field duplicate of sample 060415-TPSWCCS-4T  
 KEY:

°C = Degrees Celsius.  
 µS/cm = MicroSiemen(s) per centimeter.  
 σ = sigma (Standard Deviation).  
 CaCO<sub>3</sub> = Calcium carbonate.  
 DUP = Duplicate.  
 FB = Field Blank.

J = Estimated (+/- indicate bias).  
 mg/L = Milligram(s) per liter.  
 N = Nitrogen  
 NH<sub>3</sub> = Ammonia.  
 NH<sub>4</sub><sup>+</sup> = Ammonium ion.  
 NTU = Nephelometric Turbidity Units(s).

pCi/L = PicoCuries per liter.  
 SU = Standard Unit(s).  
 TKN = Total Kjeldahl nitrogen.  
 TN = Total nitrogen.  
 U = Analyzed for but not detected at the reported value.



**FPL Turkey Point Uprate Monitoring Project**  
**June 2015 Quarterly Sampling Event**  
SDG: Qtr 2 2015 SW

**Notes**

Laboratory anion and cation results are reported with 3 digits although only the first 2 are significant figures.

<sup>1</sup> FL surface water quality standards are provided in F.A.C. 62-302-530 and can be found at

[http://water.epa.gov/scitech/swguidance/waterquality/standards/upload/2008\\_12\\_29\\_standards\\_wqslibrary\\_fl\\_fl\\_4\\_62-302t.pdf](http://water.epa.gov/scitech/swguidance/waterquality/standards/upload/2008_12_29_standards_wqslibrary_fl_fl_4_62-302t.pdf)

Surface water standards are separated into 2 categories: fresh and marine (<1500 mg/L chloride and >1500 mg/L chloride, respective Standards do not apply to the Cooling Canal System.

\* PSS-78 salinity is unitless.

\*\* Schemel, L.E., 2001. Simplified conversions between specific conductance and salinity units  
for use with data from monitoring stations. Interagency Ecological Program for the San  
Francisco Estuary Newsletter. 14(1):17-18.

**Key**

‰ = Per mille.

°C = Degrees Celsius.

µg/L = Microgram(s) per liter.

µS/cm = MicroSiemen(s) per centimeter.

CaCO<sub>3</sub> = Calcium carbonate.

DEP SOP = Department of Environmental Protection Standard Operating Procedure.

F.A.C. = Florida Administrative Code.

I = Value between the MDL and PQL.

J = Estimated (+/- indicate bias).

MCL = Maximum Contaminant Levels.

MDL = Minimum detection limit.

mg/L = Milligram(s) per liter.

N.A. = Not applicable.

NH<sub>3</sub> = Ammonia.

NH<sub>4</sub><sup>+</sup> = Ammonium ion.

NTU = Nephelometric Turbidity Units(s).

pCi/L = PicoCuries per liter.

ppt = Parts per thousand.

PQL = Practical quantitation limit.

PSS-78 = Practical Salinity Scale of 1978.

RER = Dept. of Regulatory and Economic Resources (formerly DERM).

RPD = Relative percent difference.

SC = Specific conductance.

SDG = Sample Delivery Group.

SU = Standard unit(s).

TDS = Total dissolved solids.

TKN = Total Kjeldahl nitrogen.

TN = Total nitrogen.

TPBBSW = Turkey Point Biscayne Bay Surface Water.

TPSWID = Turkey Point Surface Water Interceptor Ditch.

TPSWC = Turkey Point Surface Water Canal.

TPSWCCS = Turkey Point Surface Water Cooling Canal System.

U = Analyzed for but not detected at the reported value.

U of M = University of Miami.

USGS = United States Geological Survey.

**Qualifiers**

I = Value between the MDL and PQL.

J = Estimated (+/- indicate bias).

U = Analyzed for but not detected at the reported value.

ly).