

FPL Turkey Point Uprate Monitoring Project

June 2015 Quarterly Sampling Event

SDG: Qtr 2 2015 GW

Parameter	Units	TPGW-1S		TPGW-1M		TPGW-1D		TPGW-2S		TPGW-2M		TPGW-2D		060515-DUP		TPGW-3S		TPGW
		06/02/2015		06/02/2015		06/02/2015		06/05/2015		06/05/2015		06/05/2015		06/05/2015		06/05/2015		06/05
Temperature	°C	26.22		26.41		26.35		26.40		27.00		27.24				26.81		26.48
pH	SU	7.02		7.12		7.07		7.24		6.94		6.92				6.59		6.90
Dissolved Oxygen	mg/L	0.07		0.08		0.09		0.13		0.26		0.19				0.14		0.03
Specific Conductance	µS/cm	57462		73416		73827		71223		79360		79893				62706		69399
Turbidity	NTU	0.82		0.32		0.71		0.79		0.22		0.06				0.14		0.12
Sodium	mg/L	11300		14600		14500		14200		16000		16200		16300		12300		13800
Chloride	mg/L	20700		27500		27900		26900		30300		30500		30000		23200		26400
Total Dissolved Solids	mg/L	34300		45900		47100		46000		52100		53100		53300		39900		45600
Salinity	*	38.3		50.6		50.9		48.9		55.3		55.7				42.2		47.4
Tritium	pCi/L																	

NOTES:

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

Text in blue is revised

**FPL Turkey Point Uprate Monitoring Pro  
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Parameter	Units	N-3M /2015
Temperature	°C	
pH	SU	
Dissolved Oxygen	mg/L	
Specific Conductance	µS/cm	
Turbidity	NTU	
Sodium	mg/L	
Chloride	mg/L	
Total Dissolved Solids	mg/L	
Salinity	*	
Tritium	pCi/L	



**FPL Turkey Point Uprate Monitoring Pro  
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		N-6M	TPGW-6D	
Parameter	Units	/2015	06/02/2015	
Temperature	°C		24.35	
pH	SU		6.92	
Dissolved Oxygen	mg/L		0.10	
Specific Conductance	µS/cm		24771	
Turbidity	NTU		0.83	
Sodium	mg/L		3970	
Chloride	mg/L		8560	
Total Dissolved Solids	mg/L		13900	
Salinity	*		15.1	
Tritium	pCi/L			



**FPL Turkey Point Uprate Monitoring Pro**  
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Parameter	Units	5-Dup /2015	TPGW-9D 06/01/2015	
Temperature	°C		24.99	
pH	SU		6.88	
Dissolved Oxygen	mg/L		0.16	
Specific Conductance	µS/cm		656	
Turbidity	NTU		0.27	
Sodium	mg/L		15.2	
Chloride	mg/L		26.0	
Total Dissolved Solids	mg/L		326	
Salinity	*		0.3	J
Tritium	pCi/L			



**FPL Turkey Point Uprate Monitoring Pro  
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SDG: Qtr 2 2015 GW

Parameter	Units	V-12M /2015
Temperature	°C	
pH	SU	
Dissolved Oxygen	mg/L	
Specific Conductance	µS/cm	
Turbidity	NTU	
Sodium	mg/L	
Chloride	mg/L	
Total Dissolved Solids	mg/L	
Salinity	*	
Tritium	pCi/L	





**FPL Turkey Point Uprate Monitoring Pro  
June 2015 Quarterly Sampling Event**

SDG: Qtr 2 2015 GW

		5-FB	060315-FB	
Parameter	Units	/2015	06/03/2015	
Temperature	°C			
pH	SU			
Dissolved Oxygen	mg/L			
Specific Conductance	µS/cm			
Turbidity	NTU			
Sodium	mg/L	U	0.310	U
Chloride	mg/L	U	0.200	U
Total Dissolved Solids	mg/L	U	5.00	U
Salinity	*			
Tritium	pCi/L			

**FPL Turkey Point Uprate Monitoring Pro**  
**June 2015 Quarterly Sampling Event**  
 SDG: Qtr 2 2015 GW

		060415-FB		060515-FB	
Parameter	Units	06/04/2015		06/05/2015	
Temperature	°C				
pH	SU				
Dissolved Oxygen	mg/L				
Specific Conductance	µS/cm				
Turbidity	NTU				
Sodium	mg/L	0.310	U	0.310	U
Chloride	mg/L	0.200	U	0.200	U
Total Dissolved Solids	mg/L	5.00	U	5.00	U
Salinity	*				
Tritium	pCi/L				

**FPL Turkey Point Uprate Monitoring Project**  
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**Notes**

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

\* 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.

Sample 060115-DUP is a duplicate of 060115-TPGW-9M.

Sample 060315-DUP is a duplicate of 060315-TPGW-11S.

Sample 060515-DUP is a duplicate of 060515-TPGW-2D.

**Key**

°C = Degrees Celsius.

µmho/cm = Micromho(s) per centimeter.

µS/cm = MicroSiemen(s) per centimeter.

ABS = Absolute value.

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

Cl = Chloride.

DUP = Duplicate.

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.

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.

TPGW = Turkey Point Groundwater.

**Qualifiers**

I = Value between the MDL and PQL.

J = Estimated (+/- indicate bias).