

FPL Turkey Point Uprate Monitoring Project
September 2015 Semiannual Sampling Event
SDG: Qtr 3 2015 LG

Parameter	Units	TPGW-L3-18		TPGW-L3-58		TPGW-L5-18		TPGW-L5-58		TPGW-G21-18		TPGW-G21-58		TPGW-G28-18		TPGW-G28-58		TPGW-G35-18		091115
		09/14/2015		09/14/2015		09/15/2015		09/15/2015		09/11/2015		09/11/2015		09/11/2015		09/11/2015		09/11/2015		09/11
Temperature	°C	28.88		28.80		28.86		28.81		32.10		26.78		30.28		27.36		25.32		
pH	SU	6.98		6.90		6.93		6.90		7.13		6.65		8.28		6.85		7.41		
Dissolved Oxygen	mg/L	0.47		0.39		0.33		0.39		0.33		0.26		0.33		0.37		0.35		
Specific Conductance	µS/cm	36489		74035		63540		69360		607		17476		1685		40451		650		
Turbidity	NTU	0.09		0.26		0.88		0.01	J	0.01	J	0.00	J	0.08		10.66		1.25		
Calcium	mg/L	428		603	J	619		621		80.6		534		110		506		83.9		84.5
Magnesium	mg/L	784		1620	J	1560		1610		4.12		200		36.4		751		5.97		5.99
Potassium	mg/L	282		677	J	658		720		5.47		26.8		8.71	I	219		12.1		12.3
Sodium	mg/L	7320		16400	J	13800		16200		24.8		2580		309		7470		20.8		21.1
Boron	mg/L	2.49		6.44		6.17		6.57		0.047	I	0.147	I	0.140	I	1.52		0.073		0.074
Strontium	mg/L	7.32		12.6		14.5		15.6		0.851		6.81		1.31		7.66		1.09		1.12
Bromide	mg/L	47.7	Q	105	Q J	89.5		99.8		0.295		20.3	Q	1.29		49.5	Q	0.271		0.272
Chloride	mg/L	14400		30900	J	27000		31500		44.4		5410		353		14000		36.6		37.1
Fluoride	mg/L	0.190		0.360	J	0.230		0.220		0.150		0.110		0.0800	I	0.160		0.130		0.130
Sulfate	mg/L	1740		5140	J	3460		4130		13.0		169		55.0		1610		55.2		56.3
Total Ammonia	mg/L as N																			
Ammonium ion (NH ₄ ⁺)	mg/L																			
Unionized NH ₃	mg/L																			
Nitrate/Nitrite	mg/L as N																			
TKN	mg/L																			
TN	mg/L																			
ortho-Phosphate	mg/L																			
Total Phosphorus (P)	mg/L																			
Alkalinity	mg/L	239		201	J	210		208		228		213		250		227		205		205
Bicarbonate Alkalinity	mg/L as HCO ₃	292		245	J	256		253		278		259		305		277		250		250
Sulfide	mg/L	0.360	U	0.385	I	0.360	U	0.360	U	0.360	U	0.720	U	0.360	U	0.720	U	0.360	U	0.360
Total Dissolved Solids	mg/L	24000		55000		45500		50000		310		11200		930		24200		340		342
Salinity	*	22.97		50.99		42.80		47.31		0.29	J	10.27		0.84	J	25.79		0.31	J	
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.

Sample 091115-Dup is a duplicate of TPGW-G35-18.

KEY:

°C = Degrees Celsius.

µS/cm = MicroSiemen(s) per centimeter.

σ = sigma (Standard Deviation).

CaCO₃ = Calcium carbonate.

DUP = Duplicate.

