

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

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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
June 2015 Quarterly Sampling Event**

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 | | | | |

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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.

CaCO₃ = Calcium carbonate.

Cl = Chloride.

DUP = Duplicate.

mg/L = Milligram(s) per liter.

N.A. = Not applicable.

NH₃ = Ammonia.

NH₄⁺ = 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).