

# Florida Power and Light Turkey Point Monitoring

Laboratory Analyses of Samples

## Preliminary/Final Laboratory Results

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Download a .zip compressed archive file containing surface and groundwater quality results from the March 2011 Turkey Point monitoring semi-annual sampling event along with Data Usability Summaries for June 2010 (revised), and January/March 2011 groundwater and surface water samples as described below. Level 4 data are preliminary results which are subject to changes resulting from future QA/QC checks.

Tritium is one of the parameters being measured as a potential tracer for identifying contributions of the cooling canal system water as a source of ground water or surface water occurrences. The Florida Department of Environmental Protection drinking water standard for concentrations of tritium in groundwater is 20,000 pCi/L. All measured concentrations of tritium collected and reported herein are well below this regulatory standard used for identifying the potential for human health risks.

- *June 2010 surface and groundwater Data Usability Summary (revised to address revised nitrogen species analytical methods)*
  - *June\_2010\_Semi-Annual\_DUS\_revised-071211.pdf*
- *January 2011 groundwater (L and G series wells only) level 4 preliminary strontium isotope data and Lab QC Report (two files)*
  - *Sr\_Isotope\_Jan\_2011\_L\_G\_wells\_0611.xls*
  - *J39498-1\_Jan\_2011\_L\_G\_L4\_Lab\_Report.pdf*
- *January and March 2011 groundwater (including L and G series wells)*
  - *FPL\_GW\_Jan\_Mar\_L-G\_Mar\_Semiannual\_2011\_DUS\_071211.pdf*
- *March 2011 GW/SW/porewater semi-annual sampling event level 4 preliminary isotope data (four files)*
  - *strontium isotopes, carbon isotopes, tritium*
    - *FPL\_Carbon\_Isotope\_Mar\_2011.xls*
    - *FPL\_Carbon\_Isotope\_Results\_031411.xls*
    - *FPL\_Sr\_Isotopes\_Mar\_2011.xls*
    - *FPL\_Tritium\_Results\_2011mar.xls*
- *March 2011 semi-annual level 4 groundwater Lab QC Reports (2 files)*
  - *March\_2011\_L4\_GW\_Lab\_report(1of2).pdf*
  - *March\_2011\_L4\_GW\_Lab\_report(2of2).pdf*
- *March 2011 semi-annual surface water Data Usability Summary*

- *Semiannual\_SW\_Mar\_2011\_DUS\_071211.pdf*
- *March 2011 semi-annual surface water final water quality data*
  - *Mar\_2011\_Semiannual\_SW\_Final Results\_071211.xlsx*
- *March 2011 semi-annual surface water level 4 Lab QC Report*
  - *March\_2011\_semi\_annual\_SW\_L4\_lab\_report.pdf*
- *March 2011 semi-annual groundwater L and G series wells final water quality data*
  - *GW\_Mar\_2011\_L-G\_Wells\_Final\_Results\_071211.xlsx*
- *March 2011 semi-annual groundwater final water quality data*
  - *GW\_Mar\_2011\_Semiannual\_Final\_Results\_071211.xlsx*