

# Florida Power and Light Turkey Point Monitoring

Laboratory Analyses of Samples

## Preliminary Laboratory Results

Posted April 23, 2012

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Download a .zip compressed archive file containing meteorologic, porewater, surface water/groundwater quality results as summarized below. All data shown are preliminary results which are subject to revisions 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.

- Meteorologic tritium
  - July, Sept, Dec 2011 rainfall
  - May, June, Aug, Sept, Oct 2011 evaporative
- Porewater tritium
  - May, Sept 2011 Biscayne Bay and terrestrial transects
- GW/SW monitoring site tritium
  - June and September 2011
- Stable Isotopes
  - April 2011 strontium ratio porewater
  - Dec 2011, Feb 2012 GW/SW/PW oxygen isotopes
  - Nov, Dec 2011 GW/SW hydrogen-oxygen isotope ratios
- General Chemistry
  - Sept 2011 Biscayne Bay porewater
  - Nov 2011 terrestrial porewater
  - Nov 2011 porewater and Dec 2011GW/SWDIC
- Nov 2011 leaf nutrients