Florida Power and Light
Turkey Point Monitoring

Laboratory Analyses of Samples

Validated Chemistry Data posted October 27, 2010

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Download a .zip compressed archive file containing a readable version of an Excel spreadsheet containing validated chemistry data and a PDF document entitled "Data Usability Summary." both prepared by Florida Power and Light.

Under an agreement with the South Florida Water Management District, FPL is required to collect data to help determine potential impacts of the cooling canal system water at Turkey Point on surface, groundwater and ecological conditions in the surrounding area. The FPL-validated data were subjected to the quality assurance/quality control measures described in the attached "Data Usability Summary." These validated data are an update to the provisional data posted from the June/July 2010 Quarterly Sampling Event. The validated data are derived from all groundwater and surface water stations and include all parameters required in the Turkey Point Power Plant Groundwater, Surface Water and Ecological Monitoring Plan.

Tritium –a form of hydrogen- is one parameter being measured as a potential tracer for identifying source contributions of the cooling canal system water. The U.S. Environmental Protection Agency and the Florida Department of Environmental Protection's safe 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.