



August 7, 2009

L-2009-146

10 CFR 52.3(b)(2)

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555-0001

Re: Florida Power & Light Company
Proposed Turkey Point Units 6 & 7
Project No. 763
Supplemental Meteorological Data in
Support of Application for Combined License

Reference: FPL Letter to NRC, L-2009-144 dated June 30, 2009, Combined License
Application Turkey Point Units 6 & 7

In the referenced letter, Florida Power & Light Company (FPL) submitted an application for a combined license (COL) for Turkey Point Units 6 and 7 to be located in Miami-Dade County, FL. Consistent with Regulatory Guide 1.206, C.III. Chapter 2, FPL is providing the enclosed supplemental information in support of the review of the COL Application. The enclosed CD contains the following onsite meteorological data:

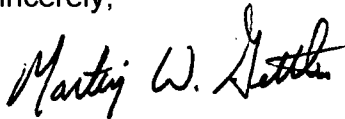
- Three years of formatted, ASCII text, sequential access hourly data pursuant to the guidance in Appendix A of Regulatory Guide 1.23, "Meteorological Monitoring Programs for Nuclear Power Plants," Revision 1. Three files are included for the periods January 1 - December 31, 2002, 2005, and 2006.
- Input and output files for NRC-sponsored PAVAN computer code (NUREG/CR-2858). These files were used to estimate relative ground-level atmospheric concentrations (X/Q) at the exclusion area boundary (EAB) and low population zone (LPZ) for potential accidental releases of radioactive material, as described in FSAR Section 2.3.4.2.
- Three years of hourly data in ARCON96 (NUREG/CR-6331) model input format. Three files are included for the periods January 1 - December 31, 2002, 2005, and 2006. In addition, the input and output data files have been included. These files were used in the prediction of X/Q's at the control room HVAC intake and annex building access door for postulated accidental radioactive airborne releases as described in FSAR Section 2.3.4.

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- Input and output files for NRC-sponsored XOQDOQ computer code (NUREG/CR-2919). These files were used to estimate annual average long-term ground-level atmospheric concentrations (X/Q) and dry deposition factors (D/Q) at various distances and receptors of interest, as described in FSAR Section 2.3.5.
- Three years of hourly data in MACCS2 model input format. Three files are included for the years 2002, 2005, and 2006. These files were used in the severe accident analysis described in ER Section 7.2.

If you have any questions, or need additional information, please contact William Maher at 561-691-7490.

Sincerely,



Martin Gettler
Vice President – New Nuclear Projects

Enclosure:

Turkey Point Units 6 & 7, Supplemental Meteorological Data (electronic data format)

cc (w/o enclosures):
Director, Division of New Reactor Licensing, USNRC
Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant
Project Manager, AP1000 Projects Branch 1, USNRC DNRL/NRO

Enclosure

Turkey Point Units 6 & 7

Combined License Application

Supplemental Meteorological Data

(electronic data format)

