Florida Power & Light, 9760 S.W. 344 St. Homestead, FL 33035

FPL

JAN 17 2012
L-2012-020
10 CFR 50.90

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

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Response to NRC Request for Additional Information Regarding
Extended Power Uprate License Amendment Request No. 205 and
Thermal Conductivity Degradation

References:

(1) M. Kiley (FPL) to U.S. Nuclear Regulatory Commission (L-2010-113), "License Amendment Request for Extended Power Uprate (LAR 205)," (TAC Nos. ME4907 and ME4908), Accession No. ML103560169, October 21, 2010.

(2) M. Kiley (FPL) to U.S. Nuclear Regulatory Commission (L-2011-561), "Response to NRC Reactor Systems Branch Request for Additional Information Regarding Extended Power Uprate License Amendment Request No. 205 and Thermal Conductivity Degradation," December 31, 2011.

(3) M. Watson (Westinghouse) to U.S. Nuclear Regulatory Commission (LTR-NRC-12-2 Revision 1), "Westinghouse Input to NRC FRAPCON Models Related to the Turkey Point Unit 3 & 4 Extended Power Uprate (EPU) License Amendment Request (LAR) (Proprietary)," January 13, 2012.

(4) M. Kiley (FPL) to U.S. Nuclear Regulatory Commission (L-2012-007), "Response to NRC Reactor Systems Branch Request for Additional Information Regarding Extended Power Uprate License Amendment Request No. 205 and Thermal Conductivity Degradation," January 16, 2012.

(5) M. Kiley (FPL) to U.S. Nuclear Regulatory Commission (L-2012-019), "Response to NRC Reactor Systems Branch Request for Additional Information Regarding Extended Power Uprate License Amendment Request No. 205 and Thermal Conductivity Degradation," January 13, 2012.

By letter L-2010-113 dated October 21, 2010 [Reference 1], Florida Power and Light Company (FPL) requested to amend Renewed Facility Operating Licenses DPR-31 and DPR-41 and revise the Turkey Point Units 3 and 4 Technical Specifications (TS). The proposed amendment will increase each unit's licensed core power level from 2300 megawatts thermal (MWt) to 2644 MWt and revise the Renewed Facility Operating Licenses and TS to support operation at this increased core thermal power level. This represents an approximate increase of 15% and is therefore considered an extended power uprate (EPU).

As a result of recent information presented to the U. S. Nuclear Regulatory Commission (NRC) on December 6, 2011, FPL was asked to address the impact of Thermal Conductivity Degradation (TCD) on the Turkey Point EPU safety analyses. On December 31, 2011, FPL provided its response to the NRC request for additional information (RAI) via letter L-2011-561 [Reference 2].

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On January 4, 2012, the NRC informed FPL of the need for additional information regarding the TCD issue and its impact on the EPU Large Break Loss-of-Coolant-Accident (LBLOCA) analyses. On January 10, 2012 the NRC conducted an audit of the EPU Westinghouse Calculations related to TCD in Rockville, MD. During the audit, the NRC requested a copy of the Westinghouse input data for the FRAPCON code to facilitate their review. The response to this request on behalf of FPL and the Turkey Point Nuclear Plant has been submitted directly to the NRC by Westinghouse [Reference 3]. On January 16, 2012, FPL provided its response to the NRC's RAI via letters L-2012-007 and L-2012-019 [References 4 and 5].

In accordance with 10 CFR 50.91(b)(1), a copy of this letter is being forwarded to the State Designee of Florida.

This submittal does not alter the significant hazards consideration or environmental assessment previously submitted by FPL letter L-2010-113 [Reference 1].

This submittal contains no new commitments and no revisions to existing commitments.

Should you have any questions regarding this submittal, please contact Mr. Robert J. Tomonto, Licensing Manager, at (305) 246-7327.

Very truly yours,

Michael Kiley
Site Vice President
Turkey Point Nuclear Plant

cc: USNRC Regional Administrator, Region II
USNRC Project Manager, Turkey Point Nuclear Plant
USNRC Resident Inspector, Turkey Point Nuclear Plant
Mr. W. A. Passetti, Florida Department of Health