

September 9, 2008

Mr. J. A. Stall  
Senior Vice President Nuclear  
and Chief Nuclear Officer  
Florida Power and Light Company  
P.O. Box 14000  
Juno Beach, FL 33408-0420

SUBJECT: TURKEY POINT NUCLEAR PLANT, UNITS 3 AND 4 - REQUEST FOR  
ADDITIONAL INFORMATION RELATING TO TURKEY POINT UNITS 3 AND 4,  
RELIEF REQUEST NOS. 3 AND 4, RISK-INFORMED INSERVICE INSPECTION  
PROGRAM (TAC NOS. MD8875 AND MD7740)

Dear Mr. Stall:

By separate letters to the U.S. Nuclear Regulatory Commission (NRC) dated December 17, 2007, Florida Power and Light (FPL) submitted Relief Request (RR) No. 3 for the fourth 10-year inservice inspection (ISI) interval for Turkey Point Unit 3 and RR No. 4 for the fourth 10-year ISI interval for Turkey Point Unit 4. FPL requested review and approval of RR Nos. 3 and 4 as a proposed alternative in accordance with paragraph 50.55a(a)(3)(i) of Title 10 of the Code of Federal Regulations for the fourth ISI intervals for Turkey Point Units 3 and 4.

The NRC staff has reviewed the Turkey Point Units 3 and 4 information and has determined that additional information is required to complete the reviews. The information requested is provided in the enclosure.

This request was discussed with members of your staff and as a result of the teleconference on August 6, 2008, and your staff agreed that a response would be provided by August 29, 2008.

If you have any questions, please contact me at (301) 415-2020.

Sincerely,

*/RA/*

Brenda Mozafari, Senior Project Manager,  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-250 and 50-251

Enclosure: As stated

cc: See next page

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Florida Power and Light Company

**TURKEY POINT PLANT**

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REQUEST FOR ADDITIONAL INFORMATION

TURKEY POINT PLANT, UNIT 3, RELIEF REQUEST NO. 3

RISK-INFORMED INSERVICE INSPECTION PROGRAM

DOCKET NO. 50-250

By letter to the U.S. Nuclear Regulatory Commission dated December 17, 2007, Florida Power and Light (FPL) submitted Relief Request No. 3 for the fourth 10-year inservice inspection (ISI) interval for Turkey Point Unit 3. To complete its review of Relief Request No. 3, the NRC staff requests the following additional information.

- 1) Development of a risk-informed ISI (RI-ISI) program requires estimating conditional core damage probabilities (CCDPs) and conditional large early release probabilities (CLERPs) from the baseline probability risk assessment (PRA). Please briefly describe how the CCDPs and CLERPs that are used in the RI-ISI calculations are generated.
- 2) Has FPL modified or manipulated the cut-sets (or other equivalent logic model results) obtained from the baseline PRA model prior to calculating the CCDPs and CLERPs that are used to develop the RI-ISI program?
- 3) If the cut-sets are modified or manipulated, please describe the technical bases for the changes and explain why the changes were judged necessary.
- 4) If the cut-sets are modified or manipulated, please describe the reviews done on the technical bases for the changes, and the manipulations used to make the changes, to demonstrate that the changes are consistent with the American Society of Mechanical Engineers PRA standard and prior peer review results with respect to the PRA quality requirements needed to support RI-ISI.

ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION  
TURKEY POINT PLANT, UNIT 4, RELIEF REQUEST NO. 4  
RISK-INFORMED INSERVICE INSPECTION PROGRAM  
DOCKET NO. 50-251

By letter to the U.S. Nuclear Regulatory Commission dated December 17, 2007, Florida Power and Light (FPL) submitted Relief Request No. 4 for the fourth 10-year inservice inspection (ISI) interval for Turkey Point Unit 4. To complete its review of Relief Request No. 3, the NRC staff requests the following additional information.

- 1) Development of a risk-informed ISI (RI-ISI) program requires estimating conditional core damage probabilities (CCDPs) and conditional large early release probabilities (CLERPs) from the baseline probability risk assessment (PRA). Please briefly describe how the CCDPs and CLERPs that are used in the RI-ISI calculations are generated.
- 2) Has FPL modified or manipulated the cut-sets (or other equivalent logic model results) obtained from the baseline PRA model prior to calculating the CCDPs and CLERPs that are used to develop the RI-ISI program?
- 3) If the cut-sets are modified or manipulated, please describe the technical bases for the changes and explain why the changes were judged necessary.
- 4) If the cut-sets are modified or manipulated, please describe the reviews done on the technical bases for the changes, and the manipulations used to make the changes, to demonstrate that the changes are consistent with the American Society of Mechanical Engineers PRA standard and prior peer review results with respect to the PRA quality requirements needed to support RI-ISI.