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10 CFR 50.90
L-2009-270
November 13, 2009

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

Re: Turkey Point Unit 4
Docket No. 50-251
Issuance of Amendment Regarding Spent Fuel Boraflex Remedy
Supplement 7 to Request for a Change in Implementation Date

References:

1. Letter from Michael Kiley (FPL) to USNRC, "Implementation Date Change for License Amendments 234 and 229, L-2009-200, September 1, 2009.

2. Letter from B. L. Mozafari (USNRC) to J. A. Stall (FPL), "Turkey Point Plant Units 3 and 4 - Issuance of Amendments Regarding Spent Fuel Boraflex Remedy (TAC No. MC9740 and MC9741)," July 17, 2007.

Florida Power and Light Company (FPL) submitted an application for amendment of the Unit 3 and 4 licenses in Reference 1. Florida Power and Light Company (FPL) hereby supplements Reference 1 for Unit 4. The Reference 1 application requested a change in the implementation date of License Amendment No. 229 (Reference 2) for Turkey Point Unit 4 until September 30, 2012. This supplement revises the Reference 1 application to request a change in the implementation date of License Amendment No. 229 for Turkey Point Unit 4 until February 28, 2011.

The attachments to this letter contain measures FPL will implement as license conditions to provide additional criticality margin in the Unit 4 spent fuel pool. Due to the addition of License Condition 3.H, pagination requires an additional page (6).

FPL has determined that the additional information provided in this correspondence does not impact the conclusions of the No Significant Hazards Consideration determination in Reference 1.

If you have any questions or require additional information, please contact Robert Tomonto at 305-246-7327.

A001
NRR

I declare under penalty of perjury that the foregoing is true and correct.

Very truly yours,

November 13, 2009

Executed on

Michael Kiley
Vice President – Turkey Point Nuclear Plant

Attachments: 1) Mark-up of Turkey Point Unit 4 License – Page 5
2) Retyped Turkey Point Unit 4 License – Pages 5 and 6

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

Attachment 1
to
FPL Letter L-2009-270

Issuance of Amendment Regarding Spent Fuel Boraflex Remedy
Supplement 7 to Request for a Change in Implementation Date

Mark-up of Turkey Point Unit 4
Renewed Facility Operating License DPR-41

2 Pages

G. Mitigation Strategy License Condition

Develop and maintain strategies for addressing large fires and explosions and that include the following key areas:

(a) Fire fighting response strategy with the following elements:

1. Pre-defined coordinated fire response strategy and guidance
2. Assessment of mutual aid fire fighting assets
3. Designated staging areas for equipment and materials
4. Command and control
5. Training of response personnel

(b) Operations to mitigate fuel damage considering the following

1. Protection and use of personnel assets
2. Communications
3. Minimizing fire spread
4. Procedures for implementing integrated fire response strategy
5. Identification of readily-available pre-staged equipment
6. Training on integrated fire response strategy
7. Spent fuel pool mitigation measures

(c) Actions to minimize release to include consideration of:

1. Water spray scrubbing
2. Dose to onsite responders

4. This renewed license is effective as of the date of issuance, and shall expire at midnight April 10, 2033.

Insert License Condition 3.H as indicated on following page.

FOR THE NUCLEAR REGULATORY COMMISSION

Signed by
Samuel J. Collins, Director
Office of Nuclear Reactor Regulation

Attachments:
Appendix A – Technical Specifications for Unit 4
Appendix B – Environmental Protection Plan

Date of Issuance: June 6, 2002

Insert the following as Condition 3.H of Renewed Facility Operating License DPR-41:

FPL will implement the following measures as part of the request for a change in the implementation date for Amendment 229 for Unit 4. These measures will remain in place until Amendment No. 229 is implemented or until the NRC approves the license amendment request discussed in Item b below but not later than February 28, 2011.

(a) The Unit 4 Spent Fuel Pool (SFP) boron concentration will be increased to and maintained no less than 2100 ppm. This measure will be implemented within 72 hours of installing the transfer tube gate isolating the SFP from the reactor cavity during the current Unit 4 refueling outage.

(b) FPL will complete Boraflex panel surveillance using EPRI BADGER neutron attenuation methodology in the Unit 4 SFP no later than May 30, 2010. The report documenting the results of the EPRI BADGER testing campaign and the license amendment request updating the SFP licensing basis will be submitted to the NRC no later than 90 days after completion of the BADGER testing.

(c) FPL will increase the current MWD/MTU burnup requirements for SFP Region II storage by 10% and will configure the SFP to comply with these requirements or insert an RCCA in any fuel assembly not in compliance with these requirements. These measures will be completed by February 28, 2010.

(d) FPL will not move any fuel assemblies into the Unit 4 SFP subsequent to the successful completion of startup physics tests for Unit 4 Cycle 25.

Attachment 2
to
FPL Letter L-2009-270

Issuance of Amendment Regarding Spent Fuel Boraflex Remedy
Supplement 7 to Request for a Change in Implementation Date

Retyped Pages of Turkey Point Unit 4
Renewed Facility Operating License DPR-41

2 Pages

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1. Water spray scrubbing
2. Dose to onsite responders

H. FPL will implement the following measures as part of the request for a change in the implementation date for Amendment 229 for Unit 4. These measures will remain in place until Amendment No. 229 is implemented or until the NRC approves the license amendment request discussed in Item (b) below but not later than February 28, 2011.

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(c) FPL will increase the current MWD/MTU burnup requirements for SFP Region II storage by 10% and will configure the SFP to comply with these requirements or insert an RCCA in any fuel assembly not in compliance with these requirements. These measures will be completed by February 28, 2010.

(d) FPL will not move any fuel assemblies into the Unit 4 SFP subsequent to the successful completion of startup physics tests for Unit 4 Cycle 25.

4. This renewed license is effective as of the date of issuance, and shall expire at midnight April 10, 2033.

FOR THE NUCLEAR REGULATORY COMMISSION

Signed by
Samuel J. Collins, Director
Office of Nuclear Reactor Regulation

Attachments:
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Appendix B – Environmental Protection Plan

Date of Issuance: June 6, 2002