

NRR-DMPSPEm Resource

From: Wentzel, Michael
Sent: Thursday, March 01, 2018 2:08 PM
To: Hess, Robert
Cc: Hanek, Olga; Kilby, Gary; Czaya, Paul
Subject: Turkey Point Nuclear Generating Unit Nos. 3 and 4, Request for Additional Information Regarding License Amendment Request 256 (CAC Nos. MF5455 and MF5456; EPID L-2014-0002)

Dear Mr. Hess:

By application dated December 23, 2014 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15029A297), as supplemented by letters dated June 16, 2016, August 11, 2016, February 9, 2017, April 27, 2017, and October 30, 2017 (ADAMS Accession Nos. ML16180A178, ML16243A104, ML17060A249, ML17117A618, and ML17303A768, respectively), Florida Power & Light Company (FPL, the licensee) submitted License Amendment Request (LAR) No. 236 for Turkey Point Nuclear Generating Unit Nos. 3 and 4 (Turkey Point). The proposed amendments would revise the Technical Specifications (TSs) to Implement TS Task Force (TSTF)-505, Revision 1, "Provide Risk-Informed Extended Completion Times RITSTF [Risk-Informed TSTF] Initiative 4b." By letter dated November 15, 2016 (ADAMS Accession No. ML16281A021), the U.S. Nuclear Regulatory Commission (NRC) staff informed the TSTF of its decision to suspend approval of TSTF-505, Revision 1 because of concerns identified during the review of plant-specific license amendments requesting adoption of the traveler. The NRC staff is reviewing the licensee's application as a site-specific proposal to address the staff's concerns with TSTF-505, Revision 1.

The NRC's Technical Specifications Branch (STSB) staff is reviewing the application and has identified areas where it needs additional information to support its review. The NRC staff's request for additional information (RAI) is provided below. As discussed with your staff, the NRC staff requests the licensee to respond to the RAI by April 2, 2018.

If you have any questions, please contact me at (301) 415-6459 or michael.wentzel@nrc.gov.

Sincerely,

Michael Wentzel, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

REQUEST FOR ADDITIONAL INFORMATION

LICENSE AMENDMENT REQUEST 236

FLORIDA POWER & LIGHT COMPANY

TURKEY POINT NUCLEAR GENERATING UNIT NOS. 3 AND 4

DOCKET NOS. 50-250 AND 50-251

Background

The categories of items required to be in the TSs are provided in Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.36(c). As required by 10 CFR 50.36(c)(2)(i), the TSs will include limiting conditions for operation (LCOs), which are the lowest functional capability or performance levels of equipment required for safe operation of the facility. Per 10 CFR 50.36(c)(2)(i), when an LCO of a nuclear reactor is not met, the licensee shall shut down the reactor or follow any remedial action permitted by the TSs, until the condition can be met.

Within the context of the Risk-Informed Completion Time (RICT) program, a TS Loss of Function (TS LOF) is considered to exist when there is insufficient OPERABLE equipment to fulfill a safety function. Additional administrative controls are needed to address TS LOF conditions due to safety margin and defense-in-depth considerations.

Turkey Point TS LCO 3.7.1.5 requires that each main steam line isolation valve (MSIV) be operable in MODES 1, 2 and 3. The current ACTION statement applicable in Mode 1 requires, in part, that with one MSIV inoperable but open, power operation may continue provided the inoperable valve is restored to operable status within 24 hours.

The License Amendment Request proposes to apply a RICT for this configuration, which would allow the inoperable valve to remain inoperable and open for a maximum of 30 days.

STSB RAI-4 (ADAMS Accession No. ML17223A061) requested information on how the assumptions in the accident analysis would be satisfied when one MSIV is inoperable. FPL responded to this RAI in the October 30, 2017, letter. The response to STSB RAI-4 addresses the safety function of the MSIVs for only the steam line break accident, and does not discuss the safety function of the MSIVs in any other accident analysis.

Section 10.2.2 of the Turkey Point Updated Final Safety Analysis Report (UFSAR), Design Features - Main Steam Systems - Main Steam Isolation states that the Main Steam Isolation Valves provide safety related isolation capability for the steam generators for Main Steam Line Breaks (MSLBs) and Steam Generator Tube Ruptures (SGTRs).

UFSAR Section 14.2.4, Steam Generator Tube Rupture, states, in part, that the ruptured unit will be isolated by the steam line isolation valve once the reactor coolant pressure is reduced below the ruptured steam generator pressure.

STSB RAI-5 (Follow-up to STSB RAI-4)

Please explain the impact of an inoperable and open MSIV on the assumptions, accident progression and consequences of the Steam Generator Tube Rupture accident. Please provide an explanation of why an inoperable and open MSIV would not represent a TS loss of function within this context.

Please provide a similar summary of the impact of an inoperable and open MSIV on any other affected accident analysis or transient.

Hearing Identifier: NRR_DMPS
Email Number: 222

Mail Envelope Properties (Michael.Wentzel@nrc.gov20180301140700)

Subject: Turkey Point Nuclear Generating Unit Nos. 3 and 4, Request for Additional Information Regarding License Amendment Request 256 (CAC Nos. MF5455 and MF5456; EPID L-2014-0002)

Sent Date: 3/1/2018 2:07:50 PM

Received Date: 3/1/2018 2:07:00 PM

From: Wentzel, Michael

Created By: Michael.Wentzel@nrc.gov

Recipients:

"Hanek, Olga" <Olga.Hanek@fpl.com>

Tracking Status: None

"Kilby, Gary" <Gary.Kilby@fpl.com>

Tracking Status: None

"Czaya, Paul" <Paul.Czaya@fpl.com>

Tracking Status: None

"Hess, Robert" <Robert.Hess@fpl.com>

Tracking Status: None

Post Office:

Files	Size	Date & Time
MESSAGE	4944	3/1/2018 2:07:00 PM

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received: