

NRR-PMDAPEm Resource

From: Klett, Audrey
Sent: Thursday, May 14, 2015 10:02 AM
To: Mihalakea, Stavroula
Cc: Hanek, Olga; Guth, Mitch
Subject: RE: Turkey Point 3 and 4 - Request for Additional Information (TACs MF1485 and MF1486)
Request for more time to respond to RAI-8

Hi Stavy,
A response date of July 15, 2015, is acceptable.

From: Mihalakea, Stavroula [mailto:Stavroula.Mihalakea@fpl.com]
Sent: Wednesday, May 06, 2015 10:23 AM
To: Klett, Audrey
Cc: Margolis, Robert; Hanek, Olga; Guth, Mitch
Subject: RE: Turkey Point 3 and 4 - Request for Additional Information (TACs MF1485 and MF1486) Request for more time to respond to RAI-8
Importance: High

Hi Audrey,

Our Engineering Lead of this subject notified me today that the Westinghouse input for the response to RAI-8 is delayed and will be provided to FPL by the end of May, 2015.
As indicated in the attached email, we are contacting you to request more time to prepare our response to RAI-8 .
We would like to change the submittal date for July 15, 2015.

We anticipate that the changes to the scope of the RVI AMP and to the inspection plan will not delay the performance of any required RVI inspections, and as such, the delayed response to RAI-8 will not negatively impact the schedule of any of the required RVI inspections.

Please let me know should you have any questions regarding this request, so that we can further discuss it.

Also, please let us know if the proposed due date is acceptable to the Staff.

Thank you in advance,
Regards,
Stavy

From: Klett, Audrey [mailto:Audrey.Klett@nrc.gov]
Sent: Friday, February 20, 2015 10:28 AM
To: Hanek, Olga; Mihalakea, Stavroula
Subject: RE: Turkey Point 3 and 4 - Request for Additional Information (TACs MF1485 and MF1486)

This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email.

Hi Olga, Hi Stavy,
The ML# for this RAI will be ML15049A247. It's scheduled to be released/available on 3/4/15.

From: Klett, Audrey

Sent: Thursday, February 12, 2015 1:11 PM

To: Mitch.Guth@fpl.com; 'Hanek, Olga' (Olga.Hanek@fpl.com); 'Mihalakea, Stavroula' (Stavroula.Mihalakea@fpl.com)

Subject: Turkey Point 3 and 4 - Request for Additional Information (TACs MF1485 and MF1486)

Hi Mitch, Olga, Stavy,

By letter dated December 14, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12363A103), as supplemented by letters dated October 30, 2013, January 29, 2014, and December 29, 2014 (ADAMS Accession Nos. ML13325A973, ML14069A084, and ML15029A295, respectively), Florida Power & Light Company (FPL, the licensee) submitted its License Renewal Reactor Vessel Internals (RVI) Commitment Implementation Report and Inspection Plan that credits the implementation of Materials Reliability Program (MRP)-227-A at Turkey Point Nuclear Generating Unit Nos. 3 and 4 (i.e., Turkey Point 3 and 4) for U.S. Nuclear Regulatory Commission (NRC) staff review.

The NRC staff reviewed the information provided by the licensee and determined that it needs additional information to complete the review. This request for additional information (RAI) is numbered sequentially from the RAIs that the NRC previously sent by electronic mail on September 27, 2013, and January 22, 2014 (ADAMS Accession Nos. ML13274A144 and ML14022A189, respectively).

As discussed with Ms. Stavroula Mihalakea of the licensee's staff on February 5, 2015, the NRC is requesting a response to the RAI by May 29, 2015. The licensee should contact NRC's Project Manager for Turkey Point 3 and 4 if it needs additional time to respond to the RAI.

RAI-8:

Applicant/Licensee Action Item 7 from MRP-227A requires that applicants/licensees of Westinghouse reactors develop plant-specific analyses to be applied for their facilities to demonstrate that cast austenitic stainless steel lower support column bodies will maintain their functionality during the period of extended operation, and states that these analyses should also consider the possible loss of fracture toughness in these components caused by thermal embrittlement (TE) and irradiation embrittlement (IE). This requirement applies to Turkey Point 3 and 4 based on the design of the RVI at Turkey Point 3 and 4.

By letters dated December 14, 2012, and January 29, 2014, the licensee provided plant-specific information on the ferrite content and susceptibility to TE for the Turkey Point 3 and 4 lower support column bodies. Based on its evaluation of the plant-specific information, the licensee concluded that the Turkey Point 3 and 4 lower support column bodies are not susceptible to TE.

The licensee's conclusion related to TE notwithstanding, the lower support column bodies remain susceptible to IE. The NRC staff is concerned that the linked Primary component for the lower support column bodies - the control rod guide tube (CRGT) assembly lower flange welds - is not a good predictor of IE for the lower support column bodies because the CRGT lower flange welds receive substantially lower neutron fluence than the lower support column bodies based on the estimated neutron fluence tabulated in MRP-191 for the two components. Irradiation assisted stress corrosion cracking (IASCC) is the only mechanism of cracking that is screened for the lower support column bodies. The CRGT lower flange welds are also not a good predictor for IASCC of the lower support column bodies, because the lower flange welds are susceptible to stress corrosion cracking (SCC) and fatigue cracking, but not IASCC.

The NRC staff, therefore, requests that the licensee modify its RVI Inspection Plan to provide a link to a Primary component or components that is an appropriate predictor of IE and IASCC of the lower support column bodies.

Audrey Klett
Project Manager

NRR/DORL/LPLII-2
301-415-0489

Hearing Identifier: NRR_PMDA
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Mail Envelope Properties (Audrey.Klett@nrc.gov20150514100100)

Subject: RE: Turkey Point 3 and 4 - Request for Additional Information (TACs MF1485 and MF1486) Request for more time to respond to RAI-8
Sent Date: 5/14/2015 10:01:35 AM
Received Date: 5/14/2015 10:01:00 AM
From: Klett, Audrey

Created By: Audrey.Klett@nrc.gov

Recipients:
"Hanek, Olga" <Olga.Hanek@fpl.com>
Tracking Status: None
"Guth, Mitch" <Mitch.Guth@fpl.com>
Tracking Status: None
"Mihalakea, Stavroula" <Stavroula.Mihalakea@fpl.com>
Tracking Status: None

Post Office:

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Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
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