



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

October 18, 2016

Site Vice President  
Entergy Nuclear Operations, Inc.  
James A. FitzPatrick Nuclear Power Plant  
P.O. Box 110  
Lycoming, NY 13093

SUBJECT: JAMES A. FITZPATRICK NUCLEAR POWER PLANT - REQUEST FOR  
ADDITIONAL INFORMATION RE: RELIEF REQUEST FOR PROPOSED  
ALTERNATIVE FOR THE IMPLEMENTATION OF BWRVIP-05  
(CAC NO. MF8361)

Dear Sir or Madam:

On September 8, 2016, Entergy Nuclear Operations, Inc. (Entergy), submitted an application for a proposed relief request for James A. FitzPatrick Nuclear Power Plant. The proposed relief request would provide an alternative to American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, 2001 Edition through the 2003 Addenda, Table IWB-2500-1, Examination Category B-A, Item No. B1,11, which requires volumetric examination of the reactor vessel circumferential shell welds each in-service inspection interval.

The Nuclear Regulatory Commission staff is reviewing the submittal and has determined that additional information is needed to complete its review. The specific question is found in the enclosed request for additional information (RAI). On October 6, 2016, the Entergy staff indicated that a response to the RAI would be provided within 30 days of the date of the call.

Please contact me at (301) 415-3629 if you have any questions on this issue.

Sincerely,

A handwritten signature in black ink, appearing to read "Diane Render", is written over a large, stylized, loopy flourish.

Diane Render, Project Manager  
Plant Licensing Branch I-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-333

Enclosure:  
As stated

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OFFICE OF NUCLEAR REACTOR REGULATION  
REQUEST FOR ADDITIONAL INFORMATION  
REGARDING REQUEST FOR PROPOSED ALTERNATIVE  
IMPLEMENTATION OF BWRVIP-05  
ENTERGY NUCLEAR FITZPATRICK, LLC  
AND ENTERGY NUCLEAR OPERATIONS, INC.  
DOCKET NO. 50-333  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

In a letter dated September 8, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16252A473), Entergy Nuclear Operations, Inc., the licensee, submitted a request for a proposed alternative for the implementation of BWRVIP-05 to the U.S. Nuclear Regulatory Commission (NRC). This request is applicable to the remainder of the fourth ten-year in-service inspection interval and through the period of extended operation (PEO) at the James A. FitzPatrick Nuclear Power Plant (JAFNPP). Pursuant to Title 10 of the *Code of Federal Regulations*, Part 50, Paragraph 50.55a(z)(1), the licensee proposed an alternative to the inspection requirements of Section XI of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code) applicable to ASME Code Class 1 reactor pressure vessel (RPV) circumferential welds (ASME Code, Section XI, Examination Category B-A, Item No. B1.11). Specifically, the licensee proposes to defer the examination requirements of the Section XI of the ASME Code applicable to the RPV circumferential welds permanently, through the end of the period of extended operation (PEO). JAFNPP entered the PEO on October 17, 2014. The staff requires a response to the following request for additional information (RAI) to complete the review of request for alternative RR-19.

**RAI**

Basis for request

Section 2.V "Capsule withdrawal schedule" of Renewed License No. DPR-59 for JAFNPP states:

All capsules in the reactor vessel that are removed and tested must meet the test procedures and reporting requirements of the most recent NRC-approved version of the Boiling Water Reactor Vessel and Internals Project (BWRVIP) Integrated Surveillance Program (ISP) appropriate for the configuration of the specimens in the capsule. Any changes to the capsule withdrawal schedule, including spare capsules, must be approved by the NRC prior to implementation. All capsules placed in storage must be maintained for future insertion. Any

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changes to storage requirements must be approved by the NRC, as required by 10 CFR Part 50, Appendix H.

Section 16.10.1.26 "Reactor Vessel Surveillance Program" of the Updated Final Safety Analysis Report for JAFNPP indicates that the applicable ISP is BWRVIP-116 "BWR Vessel and Internals Project Integrated Surveillance Program (ISP) Implementation for License Renewal," which received the NRC staff's safety evaluation on March 1, 2006 (ADAMS Accession No. ML060800240). Table 3-3 "ISP and ISP(E) Test Matrix Results" of BWRVIP-116 for JAFNPP indicates that the remaining capsule is not to be tested (standby capsules). Changes to the capsule withdrawal schedule in Table 3-3 of BWRVIP-116 for the JAFNPP could affect neutron fluence values, and therefore, the  $RT_{NDT}$  values in Table 1 of RR-19, which could thus invalidate the technical basis for the proposed alternative.

Request

Please confirm that to date, there has been no changes to the capsule withdrawal schedule contained in Table 3-3 of BWRVIP-116 or any surveillance test results since the license renewal application for the JAFNPP that could invalidate the technical basis for the proposed alternative.

October 18, 2016

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Sincerely,

/RA/

Diane Render, Project Manager  
Plant Licensing Branch I-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-333

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ADAMS ACCESSION NO.: ML16280A573

\*by email

OFFICE	LPLI-1/PM	LPLI-1/LA	DE/EVIB/BC	LPLI-1/BC	LPLI-1/PM
NAME	DRender	KGoldstein	JMcHale*	TTate (DPickett for)	DRender
DATE	10/06/16	10/11/16	09/30/16	10/18/16	10/18/16

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