Entergy Nuclear Northeast
Entergy Nuclear Operations, Inc.
James A. FitzPatrick NPP
P.O. Box 110
Lycoming, NY 13093

Pete Dietrich
Site Vice President - JAF

JAFP-10-0069
June 03, 2010

United States Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Subject: Response to Request for Additional Information Re: James A. FitzPatrick Nuclear Power Plant Application for Amendment to Modify the Technical Specifications Requirements for Testing of Safety/Relief Valves (TAC No. ME2810)
James A. FitzPatrick Nuclear Power Plant
Docket No. 50-333
License No. DPR-59

References:

1. Entergy Letter, JAFP-09-0132, Application for Amendment to Modify the Technical Specifications Requirements for Testing of Safety/Relief Valves (TAC No. ME2810), dated November 23, 2009

2. Entergy Letter, JAFP-10-0039, Response to Request for Additional Information Re: James A. FitzPatrick Nuclear Power Plant Application for Amendment to Modify the Technical Specifications Requirements for Testing of Safety/Relief Valves (TAC No. ME2810), dated March 18, 2010

3. NRC Request For Additional Information Regarding James A. FitzPatrick Nuclear Power Plant Application for Amendment to Modify the Technical Specifications Requirements for Testing of Safety/Relief Valves (TAC No. ME2810), dated March 29, 2010

4. Entergy Letter, JAFP-10-0059, Response to Request for Additional Information Re: James A. FitzPatrick Nuclear Power Plant Application for Amendment to Modify the Technical Specifications Requirements for Testing of Safety/Relief Valves (TAC No. ME2810), dated May 11, 2010

5. NRC Request For Additional Information Regarding James A. FitzPatrick Nuclear Power Plant Application for Amendment to Modify the Technical Specifications Requirements for Testing of Safety/Relief Valves (TAC No. ME2810), dated May 12, 2010

Dear Sir or Madam:

On November 23, 2009, Entergy Nuclear Operations, Inc. (ENO), submitted an application for amendment to the Technical Specifications (TS) for the James A. FitzPatrick Nuclear Power Plant (JAF), that would revise the surveillance testing requirements for safety/relief valves [Reference 1]. On March 18, 2010, JAF resubmitted the application for amendment [Reference 2] based on a Nuclear Regulatory Commission (NRC) request for additional information (RAI). On March 29, 2010, JAF received a follow-up RAI [Reference 3], based on NRC review of the initial RAI response. That request was clarified in conference calls with the staff on March 29, 2010, and April 5, 2010. On May 11, 2010, JAF responded to the follow-up RAI from the NRC staff [Reference 4]. On May 12, 2010, JAF received another follow-up RAI question [Reference 5], based on NRC review of the follow-up RAI response [Reference 4]. That request was clarified in a conference call with the staff on May 13, 2010.

Based on the clarifying discussions with the staff, ENO is submitting the attached response to the follow-up RAI question [Attachment 1].

The attached response does not affect the No Significant Hazards Determination submitted with the revised amendment application, dated March 18, 2010.

There are no new commitments made in this letter.

Questions concerning this submittal may be addressed to Mr. Joseph Pechacek, Licensing Manager, at (315) 349-6766.

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

Executed on the 3rd day of June 2010.

Sincerely,

Pete Dietrich
Site Vice President - JAF

PD/JP/ed

Attachments: 1. Response to Request for Additional Information Question

cc: next page

Mr. Samuel Collins
Regional Administrator, Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406-1415

Resident Inspector's Office
U.S. Nuclear Regulatory Commission
James A. FitzPatrick Nuclear Power Plant
P.O. Box 136
Lycoming, NY 13093

Mr. Bhalchandra Vaidya, Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Mail Stop O-8-C2A
Washington, DC 20555-0001

Mr. Paul Eddy
New York State Department of Public Service
3 Empire State Plaza, 10th Floor
Albany, NY 12223

Mr. Francis J. Murray Jr., President
New York State Energy and Research Development Authority
17 Columbia Circle
Albany, NY 12203-6399

Document components: Transmittal letter JAFP-10-0069 with attachment

JAFP-10-0069

Attachment 1

Response to Request for Additional Information Question

(1 Page)

Response to Request for Additional Information Question

Question:

"Entergy letter JAFP-10-0039, Attachment 2, section 4.0, third bullet in the paragraph on proposed testing, describes the SRV actuator functional test for the two-stage SRVs. The section then states that the three-stage SRV actuator will be tested in the same manner. With respect to the three-stage SRVs, please describe the test methodology to be used for testing the three stage actuator. Specifically address how the testing will ensure that the actuator stem will engage and operate the second stage piston"

Response:

In the actuator functional test, for three-stage SRVs, the solenoid valve will be energized, the actuator will stroke, and the actuator stem travel will be measured in the space between the actuator and the SRV base. Stem movement will be measured using calibrated equipment and will be recorded in the test documentation package for future reference. To open the SRV, the actuator stem must move a minimum distance that includes a gap between the actuator stem and the second stage piston, and the required movement of the second stage piston to open the second stage disk. Since the actuator and piston stems are co-linear and are constrained to remain in alignment by the piston bore, there is no concern that the actuator will miss the second stage piston. Therefore, measuring the actuator stem travel and verifying that it moves the minimum distance described above, provides an acceptable means of verifying that the second stage piston is operating as required.