

April 25, 2007

Mr. Peter T. Dietrich
Site Vice President
Entergy Nuclear Operations, Inc.
P.O. Box 110
Lycoming, NY 13093

SUBJECT: REQUESTS FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
JAMES A. FITZPATRICK NUCLEAR POWER PLANT, LICENSE RENEWAL
APPLICATION

Dear Mr. Dietrich:

By letter dated July 31, 2006, Entergy Nuclear Operations, Inc., submitted an application pursuant to Title 10 Code of *Federal Regulations* Part 54, to renew the operating license for James A. FitzPatrick Nuclear Power Plant, for review by the U.S. Nuclear Regulatory Commission (NRC or the staff). The staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete the review.

These requests for additional information were discussed with Rick Plasse. The staff requests that you provide your response within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-1458 or e-mail NBL@nrc.gov.

Sincerely,

/RA/

N. B. (Tommy) Le, Sr. Project Manager
License Renewal Branch B
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-333

Enclosure:
Requests for Additional Information

cc w/encl: See next page

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DATE	04/25/07	04/24/07	04/25/07	04/25/07

OFFICIAL RECORD

JAMES A. FITZPATRICK NUCLEAR POWER PLANT (JAFNPP)
LICENSE RENEWAL APPLICATION (LRA)
REQUESTS FOR ADDITIONAL INFORMATION (RAI)
Sections 2.3.3 and 2.3.4

Section 2.3.3.2 (Service Water)

RAI 2.3.3.2-4

The service water system (SW) provides cooling water used to cool various components and equipment at the plant. Because the system contains fluid, and parts of the system are in proximity to safety-related equipment, portions of the system meet the Title 10 Code of *Federal Regulations* Part 54.4 (a)(2) (10CFR 54.4 (a)(2)) scoping criteria. The information provided in the LRA for this system is not sufficient for us to complete our review. The license renewal drawings do not show systems, structures, and components (SSCs) included in scope for 10 CFR 54.4 (a)(2), and no detailed description is given in the LRA of the portions of the system that were included in scope for 10 CFR 54.4 (a)(2). The general statement in the last paragraph of LRA Section 2.1.2.1.3 and the information on LRA page 2.3-95 is not sufficient for us to determine if SSCs were omitted. Please provide a detailed description of what portions of the SW system are included in scope for 10 CFR 54.4 (a)(2) and provide justification for the SSCs or portions of the system that are excluded provide. Also, provide or indicate (if current LR drawings depict the SW system) on which drawings the SSCs in scope of license renewal are shown.

Section 2.3.3.12 (Radwaste and Plant Drains)

RAI 2.3.3.12-1

The LRA states the yard storm drain and roof drain systems are within the scope of license renewal based on the need to provide a drainage flow path for fire water in the event of a fire (10 CFR 54.4(a)(3)) (Table 2.3.3.12). Without a more detailed description of the system, the technical review staff cannot determine if components subject to aging management review (AMR) were omitted (see Table 3.3.2-12). Please provide a more detailed discussion to identify the components required to support the (10 CFR 54.4(a)(3)) function, and discuss the portion of the system, or SSCs were excluded from scope. Justify the exclusions.

Section 2.3.3.14 (Miscellaneous Systems in Scope for (a)(2))

RAI 2.3.3.14-1

The turbine building closed loop cooling system is described in LRA Section 2.3.3.14, and updated final safety analysis report (UFSAR) Section 9.6. In the LRA, this system is included in scope of license renewal per 10 CFR 54.4(a)(2). Table 2.3.3-14-23 lists the system components subject to AMR. Based on the information provided in the LRA and UFSAR (including the system drawing), it appears that in addition to the component types listed in the

table, the system also contains pumps and heat exchangers. Please provide a more detailed discussion to identify the portions of the system or SSCs excluded from scope. Also, provide plant equipment arrangement drawings that show the layout of major plant equipment at various elevations of the Turbine Building and provide justification for the omission of pump casing, and heat exchanger in Table 2.3.3-14-23.

RAI 2.3.3.14-2

The LRA states that the following systems are within the scope of license renewal based on the potential for physical interaction with safety components (10 CFR 54.4(a)(2) (see Table 2.3.3-14A).

- Circulating Water
- Contaminated Equipment Drains
- Main Turbine Generator
- Sample System

Because parts of the system contain fluid and are in proximity of safety-related equipment, some of the non-safety portions of the system meet the 10 CFR 54.4(a)(2) scoping criteria. The information provided in your submittal is insufficient for us to complete our review of this since you have not specifically identified the parts of the systems included in scope for 10 CFR 54.4(a)(2), and have not given a detailed description of the portions of the system that are included in scope. Please provide a more detailed discussion to identify what portions of the system, or SSCs were included in scope per 10 CFR 54.4(a)(2). For the SSCs or portions of the systems that were excluded, please provide justification.

Section 2.3.4 (Steam and Power Conversion Systems)

RAI 2.3.4-1

LRA Section 2.3.4.2 addresses the Main Steam System, and Section 2.3.4.3 addresses the Feedwater System. The specific components of these systems that are included in scope for license renewal have not been identified in these sections, nor have the specific drawings used in identifying the in-scope components. There are no tables in this section identifying the SSCs included in-scope and subject to AMR, and the scoping and screening results as pertaining to system SSCs inscope for 10 CFR 54.4(a)(1), 10 CFR 54.4(a)(2) and 10 CFR 54.4(a)(3) are not apparent. Please specify what specific Main Steam and Feedwater System components are in scope of license renewal and their associated intended function. Also identify where in the LRA the components are evaluated, along with the LRA result table in which the components are listed.

Letter to P. Dietrich from Nie, dated April 25, 2007

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