



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

September 17, 2009

Vice President, Operations
Entergy Operations, Inc.
Waterford Steam Electric Station, Unit 3
17265 River Road
Killona, LA 70057-3093

SUBJECT: WATERFORD STEAM ELECTRIC STATION, UNIT 3 - REQUEST FOR
ADDITIONAL INFORMATION RE: LICENSE AMENDMENT REQUEST TO
REVISE TECHNICAL SPECIFICATION 6.9.1.11, "CORE OPERATING LIMITS
REPORT (COLR)" (TAC NO. ME1359)

Dear Sir or Madam:

By letter dated May 22, 2009 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML091470271), Entergy Operations, Inc. (the licensee), submitted an application for a license amendment request to the U.S. Nuclear Regulatory Commission (NRC) requesting an amendment to the license in the form of changes to the Technical Specification 6.9.1.11, "Core Operating Limits Report (COLR)."

The NRC staff has reviewed the application and has determined that additional information contained in the enclosure is needed to complete the review. The staff discussed the need for additional information on September 3, 2009, with Mr. M. Mason of your staff. Mr. Mason agreed to provide a response within 30 days of the receipt of this letter.

If you have any questions, please contact me at (301) 415-1480 or by electronic mail at kaly.kalyanam@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "N. Kalyanam", with a horizontal line underneath the name.

N. Kalyanam, Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosure:
As stated

cc w/encl.: Distribution via ListServ

OFFICE OF NUCLEAR REACTOR REGULATION
REQUEST FOR ADDITIONAL INFORMATION
WATERFORD STEAM ELECTRIC STATION, UNIT 3
LICENSE AMENDMENT REQUEST TO REVISE
TS 6.9.1.11, "CORE OPERATING LIMITS REPORT (COLR)"

By letter dated August 2, 2007 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML072180042), Entergy Operations, Inc. (Entergy, the licensee), proposed to revise the Waterford Steam Electric Station, Unit 3 (Waterford 3) Technical Specification (TS) 6.9.1.11, "Core Operating Limits Report (COLR)," to add new analytical methods to support the implementation of Westinghouse's Next Generation Fuel (NGF). During the review process, the Nuclear Regulatory Commission (NRC) staff requested clarification as to why there were several methodologies listed in the TSs for the same parameter. In its letter dated March 10, 2008 (ADAMS Accession No. ML080720667), Entergy made a one-time commitment to review the TS methodology references for other similar plants that reflected the NRC-approved methods used in establishing the COLR parameter limits. In its letter dated May 22, 2009 (ADAMS Accession No. ML091470271), Entergy submitted an application for a license amendment request, NPF-38-281, to revise TS 6.9.1.11 to minimize the number of references consistent with the guidance provided in nrc Generic Letter (GL) 88-16, "Removal of Cycle-Specific Parameter Limits from Technical Specifications."

The NRC staff has reviewed the application and determined that the following information is needed to complete its review:

1. With respect to the list of core operating limits listed in Insert 1 in Attachment 2 to the May 22, 2009 letter, please provide the following information:
 - A clarification that the proposed list consists of all independent cycle-specific core operating limits;
 - A description of the relationship between TS 3.2.1, "Linear Heat Rate," and TS 3.6.1.5, "Air Temperature, Containment"; and
 - The reason why a parenthesis (Linear Heat Rate, 3.2.1) follows TS 3.6.1.5.
2. Based on the guidance specified in GL 88-16, each approved methodology listed in TS 6.9.1.11.1 should support a calculation for a cycle-specific core operating limit listed in the proposed Insert 1. It appears that the list of analytical methodologies in proposed Insert 2 in Attachment 2 to the May 22, 2009, letter is not in compliance with GL 88-16 guidance; therefore, please provide the following information:
 - Describe how each of the five methodologies listed in Insert 2 (e.g., Nuclear Engineering Methodologies) support the Insert 1 cycle-specific parameters;

Enclosure

- Describe the relationship between the cycle-specific parameters in proposed Insert 1 and the methodologies in proposed Insert 2; and
- Provide justification that all of the analytical methodologies listed in proposed Insert 2 are qualified to be listed in TS 6.9.1.11.1.

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Sincerely,

/RA/

N. Kalyanam, Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-382

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ADAMS Accession No. ML092520124

*Minor editorial changes only from staff RAI

OFFICE	NRR/LPL4/PM	NRR/LPL4/PM	NRR/DSS/SRXB	NRR/LPL4/BC	NRR/LPL4/PM
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DATE	9/10/09	9/9/09	9/2/09	9/17/09	9/17/09

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