



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

March 12, 2013

Mr. Michael Perito
Vice President, Site
Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150

SUBJECT: REQUESTS FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
GRAND GULF NUCLEAR STATION LICENSE RENEWAL APPLICATION
(TAC NO. ME7493)

Dear Mr. Perito:

By letter dated October 28, 2011, Entergy Operations, Inc., submitted an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54, to renew the operating license for Grand Gulf Nuclear Station, Unit 1, 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 Jeff Seiter, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-1045 or by e-mail at nathaniel.ferrer@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "N. Ferrer", is written over a horizontal line.

Nathaniel Ferrer, Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-416

Enclosure:
As stated

cc w/encl: Listserv

GRAND GULF NUCLEAR STATION
LICENSE RENEWAL APPLICATION
REQUESTS FOR ADDITIONAL INFORMATION-SET 44

RAI 3.0.5-1b

Background. In its response to requests for additional information (RAIs) 3.0.5-1 and 3.0.5-1a, the applicant described its programmatic activities for the ongoing review of operating experience and stated that these activities are consistent with the guidance in License Renewal Interim Staff Guidance, LR-ISG-2011-05, "Ongoing Review of Operating Experience."

Issue. Four areas of the operating experience review activities are not fully consistent with LR-ISG-2011-05 because the applicant did not describe:

- (a) codes used in the corrective action program that provide for the comprehensive identification and categorization of aging-specific issues for all plant systems, structures, and components within the scope of license renewal;
- (b) assessments of aging management program (AMP) implementation, performed regardless of whether the AMP acceptance criteria are met to determine if the effects of aging are being adequately managed;
- (c) training on age-related topics for personnel involved with the processing of operating experience; and
- (d) guidelines specific to aging for reporting plant-specific operating experience to the industry.

Request. Provide further information with respect to the above issues to demonstrate consistency with LR-ISG-2011-05. Otherwise justify why the operating experience review activities provide for the adequate identification, evaluation, training, and reporting of operating experience involving age-related degradation and aging management.

Identify any necessary enhancements to existing activities based on the response to this request. Provide justification for any identified enhancements that will be implemented later than the date when the renewed operating license is scheduled to be issued, if approved.

Revise the summary description of the ongoing operating experience review activities in updated Final Safety Analysis Report Section A.0.1 accordingly.

RAI B.1.34-2c

Background. In its November 29, 2012, response to RAI B.1.34-2b, the applicant stated that, prior to the period of extended operation, it will complete a search of the Grand Gulf Nuclear Station (GGNS) condition reporting system to identify all potential instances of cracking in ASME Code Class 1 small-bore piping for the period beginning at the start of licensed operation of the plant.

ENCLOSURE

Issue. Completion of this search and review of the results are needed to confirm that GGNS has not experienced cracking in its ASME Code Class 1 small-bore piping, thereby demonstrating applicability of Generic Aging Lessons Learned Report AMP XI.M35. This information is needed to support the staff's review of the license renewal application.

Request. Provide results of the completed search and review of records in the GGNS condition reporting system, as described in the response to RAI B.1.34-2b. Describe the methodology used to find potential instances of cracking in ASME Code Class 1 small-bore piping and discuss any relevant items found.

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/RA/

Nathaniel Ferrer, Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-416

Enclosure:
As stated

cc w/encl: Listserv

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Letter to M. Perito from N. Ferrer dated March 12, 2012

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