



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

January 12, 2016

LICENSEE: Entergy Operations, Inc.

FACILITY: Grand Gulf Nuclear Station, Unit 1

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON
DECEMBER 8, 2015 BETWEEN THE U.S. NUCLEAR REGULATORY
COMMISSION AND ENTERGY OPERATIONS, INC., CONCERNING REQUEST
FOR ADDITIONAL INFORMATION PERTAINING TO THE GRAND GULF
NUCLEAR STATION LICENSE RENEWAL APPLICATION (TAC NO. ME7493)

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Entergy Operations, Inc. (Entergy or the applicant) held a telephone conference call on December 8, 2015, to discuss and clarify the staff's request for additional information (RAI) concerning the Grand Gulf Nuclear Station license renewal application. The telephone conference call was useful in discussing and clarifying the staff's concerns with the responses to the RAI.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a listing of the RAI discussed with the applicant, including a brief description on the status of the items.

The applicant had an opportunity to comment on this summary.

/RA/

Rebecca Richardson, Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-416

Enclosures:

1. List of Participants
2. Summary of Telephone
Conference Call

cc w/encls: Listserv

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**TELEPHONE CONFERENCE CALL
GRAND GULF NUCLEAR STATION, UNIT 1
LICENSE RENEWAL APPLICATION**

LIST OF PARTICIPANTS

DECEMBER 8, 2015

<u>PARTICIPANTS</u>	<u>AFFILIATION</u>
Yaira Diaz-Sanabria	U.S. Nuclear Regulatory Commission (NRC)
Allen Hiser	NRC
James Medoff	NRC
Rebecca Richardson	NRC
Lori Tilly	General Electric-Hitachi
Keith Brinson	Entergy Operations, Inc. (Entergy)
Alan Cox	Entergy
Kirk Ehren	Entergy
David Lach	Entergy
Richard Scarbrough	Entergy
Andrew Taylor	Entergy
Gary Young	Entergy

ENCLOSURE 1

**SUMMARY OF TELEPHONE CONFERENCE CALL
GRAND GULF NUCLEAR STATION, UNIT 1
LICENSE RENEWAL APPLICATION**

DECEMBER 8, 2015

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Entergy Operations, Inc. (Entergy or the applicant), held a telephone conference call on December 8, 2015, to discuss Set 53 Request for Additional Information (RAI) responses associated with the upper shelf energy (USE) assessment for the Grand Gulf Nuclear Station license renewal application (LRA). The telephone conference call was useful in discussing and clarifying the staff's concerns with the responses to the RAI.

RAI 4.2.3-2

Background: By letter dated July 29, 2015 (ADAMS Accession No. ML15212A747), the applicant updated the USE analysis for Grand Gulf Nuclear Station, which has been identified as a Time Limited Aging Analyses for the LRA. The updated USE analysis (i.e., LRA Table 4.2-2 and Note 10 of this table) identifies that the applicant performed an equivalent margins analysis (EMA) for a specific plate component (made from Heat No. C2779-1) in the third shell ring of the reactor pressure vessel (RPV).

The applicant identifies that the EMA was needed because the applicant could not sufficiently demonstrate that the USE value of the component would remain above or equal to 50 ft-lb (68 J) at the end of the period of extended operation.

Issue: The letter of July 29, 2015, did not include the EMA as an enclosure or reference the plant records containing the EMA and the NRC safety evaluation issued in approval of the EMA. Therefore, the staff cannot tell whether the referenced EMA was previously approved by the staff. Additionally, the submittal did not provide the USE value for the plate made from Heat No. C2779-1 at 54 effective full power years (EFPY) in the revision of LRA Table 4.2-2.

Request: (1) Clarify whether the EMA for the referenced RPV shell plate (as referenced in Note 10 of LRA Table 4.2-2) was submitted and approved by the NRC. If so, identify the date of the staff's safety evaluation (and if available, the ADAMS Accession No. or NRC microfiche Accession No. associated with the safety evaluation) that approved the EMA for incorporation into the licensing basis. Identify the lower bound end-of-life USE value that was approved in the EMA for BWR RPV plate materials. (2) Identify the USE value for the shell plate made from Heat No. C2779-1 at 54 EFPY.

Discussion

The staff and the applicant discussed the RAI responses associated with the updated USE analysis, along with staff questions, comments, schedule impacts and a resolution. Based on the discussion with the applicant, the staff indicated that the response to this RAI requires clarification. The applicant agreed to clarify by submitting an amended response to RAI Set 53.

ENCLOSURE 2