



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

July 31, 2012

LICENSEE: Entergy Operations, Inc.

FACILITY: Grand Gulf Nuclear Station

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON APRIL 13, 2012, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND ENTERGY OPERATIONS, INC., CONCERNING REQUESTS 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) held a telephone conference call on April 13, 2012, to discuss and clarify the staff's requests for additional information (RAIs) concerning the Grand Gulf Nuclear Station, license renewal application. The telephone conference call was useful in clarifying the intent of the staff's RAIs.

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

The applicant had an opportunity to comment on this summary.

A handwritten signature in black ink, appearing to read "N. Ferrer", is positioned above the typed name.

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

Docket No. 50-416

Enclosures:
As stated

cc w/encls: Listserv

TELEPHONE CONFERENCE CALL
GRAND GULF NUCLEAR STATION
LICENSE RENEWAL APPLICATION

LIST OF PARTICIPANTS
April 13, 2012

<u>PARTICIPANTS</u>	<u>AFFILIATIONS</u>
Nate Ferrer	NRC
Rui Li	NRC
Duc Nguyen	NRC
Jeff Seiter	Entergy
Ted Ivy	Entergy
Roger Rucker	Entergy

REQUESTS FOR ADDITIONAL INFORMATION (SET 10)

LICENSE RENEWAL APPLICATION

April 13, 2012

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Entergy Operations, Inc., held a telephone conference call on April 13, 2012, to discuss and clarify the following requests for additional information (RAIs) concerning the license renewal application (LRA).

Draft RAI B.1.28-1

Background. Grand Gulf LRA Section B.1.28 states that this aging management program (AMP) is consistent with the Generic Aging Lesson Learned (GALL) Report AMP XI.E6. The GALL Report "parameters monitored or inspected" program element recommends that the following factors are considered for sampling:

- voltage level (medium and low voltage)
- circuit loading (high load)
- connection type
- location (high temperature, high humidity, vibration, etc.)

Most connections used in nuclear power plants include splices (butt or bolted), crimp-type ring lugs, connectors, and terminal blocks. The program basis document GGNS-EP-08-LRD08, Revision 1, states that the representative sample of electrical cable connections will be tested, and the factors considered for sample selection will be application (medium and low voltage), circuit loading (high voltage), and location (high temperature, high humidity, vibration, etc.).

Issue. The "parameters monitored or inspected" program element of the applicant's basis document GGNS-EP-08-LRD08, Revision 1, does not consider or address connection types in the sample selection criteria.

Request. Clarify how the Non-EQ Insulated Cables and Connections Program is consistent with GALL Report AMP XI.E6 with respect to sample selection criteria including connection type.

Discussion: The applicant indicated that the question is clear. The staff will issue the question as a formal RAI.

Draft RAI B.1.31-1

Background. LRA Section B.1.31 states that Non-EQ Insulated Cables and Connections Program will be consistent with GALL Report AMP XI.E1. GALL Report, item VI.A.LP-33 states that one of the applicable aging effects is reduced insulation resistance due to photolysis (UV) of organic polymers (cable jacket). The GALL Report AMP XI.E1 "scope of program" program element states this program applies to accessible electrical cables and connections within the scope of license renewal that are located in adverse localized environments caused by temperature, radiation, or moisture. During the onsite walkdown, the staff identified cables from ESF transformer Nos. 11, 12, and 21, which sit on support trays.

Issue. These ESF transformer cable trays do not use covers, leaving cables exposed to open-air environment, which will subject cables to moisture and ultra violet radiation. It is not clear how the Non-EQ Insulated Cables and Connections Program will be used to manage the aging effects of reduced insulation resistance in this open-air environment.

Request. Explain how these ESF transformer cables will be managed for aging, during the period of extended operation.

Discussion: The applicant indicated that the question is clear. The staff will issue the question as a formal RAI.

July 31, 2012

FACILITY: Grand Gulf Nuclear Station

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON APRIL 13, 2012, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND ENTERGY OPERATIONS, INC., CONCERNING REQUESTS 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) held a telephone conference call on April 13, 2012, to discuss and clarify the staff's requests for additional information (RAIs) concerning the Grand Gulf Nuclear Station, license renewal application. The telephone conference call was useful in clarifying the intent of the staff's RAIs.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a listing of the RAIs 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/

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

Docket No. 50-416

Enclosures:
As stated

cc w/encls: See next page

DISTRIBUTION: See next page

ADAMS Accession No.: ML12191A187

OFFICE	LA:RPB1:DLR	PM:RPB1:DLR	BC:RPB1:DLR	PM:RPB1:DLR
NAME	YEdmonds	NFerrer	D Morey	NFerrer
DATE	07/19/12	07/27/12	07/31/12	07/31/12

OFFICIAL RECORD COPY

Memorandum to Grand Gulf Nuclear Station from N. Ferrer dated, July 31, 2012

SUBJECT: Summary of Telephone Conference Call conducted on April 13, 2012

DISTRIBUTION:

HARD COPY:

DLR RF

E-MAIL:

PUBLIC

RidsNrrDlr Resource

RidsNrrDlrRpb1 Resource

RidsNrrDlrRpb2 Resource

RidsNrrDlrRarb Resource

RidsNrrDlrRapb Resource

RidsNrrDlrRasb Resource

RidsNrrDlrRerb Resource

RidsNrrDlrRpob Resource

NFerrer

DDrucker

DWrona

DMorey

AWang

RSmith, RIV

BRice, RIV

DMcIntyre, OPA