



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

July 8, 2014

LICENSEE: Union Electric Company (Ameren Missouri)

FACILITY: Callaway Plant, Unit 1

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALLS HELD ON OCTOBER 2 AND 3, 2013, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND UNION ELECTRIC COMPANY (AMEREN MISSOURI), CONCERNING REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE CALLAWAY PLANT, UNIT 1, LICENSE RENEWAL APPLICATION (TAC. NO. ME7708)

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Union Electric Company (Ameren Missouri or the applicant) held telephone conference calls on October 2 and 3, 2013, to discuss and clarify the staff's draft requests for additional information (RAIs) concerning the Callaway Plant, Unit 1 (Callaway) license renewal application.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a description of the staff concerns discussed with the applicant. A brief description on the status of the items is also included.

The applicant had an opportunity to comment on this summary.

/RA/

John W. Daily, Sr. Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-483

Enclosures:

1. List of Participants
2. List of Requests for Additional Information

cc w/encls: Listserv

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SUMMARY OF TELEPHONE CONFERENCE CALL
CALLAWAY PLANT, UNIT 1
LICENSE RENEWAL APPLICATION

LIST OF PARTICIPANTS
October 2 and 3, 2013

PARTICIPANTS

Samuel Cuadrado de Jesús

William (Bill) Holston

Sarah Kovaleski

Eric Blocher

Andrew Burgess

AFFILIATIONS

U.S. Nuclear Regulatory Commission (NRC)

NRC

Callaway (Ameren Missouri)

Callaway (Ameren Missouri)

Callaway (Ameren Missouri)

SUMMARY OF TELEPHONE CONFERENCE CALL
CALLAWAY PLANT, UNIT 1
LICENSE RENEWAL APPLICATION
October 2 and 3, 2013

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Union Electric Company (Ameren Missouri or the applicant) held telephone conference calls on October 2 and 3, 2013, to discuss and clarify the following draft requests for additional information (RAIs) concerning the Callaway license renewal application (LRA).

Internal surfaces and Coatings ISG Draft RAIs

Discussion: On September 25, 2013, the staff provided the applicant with Draft RAIs 3.0.3-1, 3.0.3-2, 3.0.3-3, 3.0.3-4, 3.0.3-5, and 3.0.3-6. By request of the applicant, telephone conference calls were held on October 2 and 3, 2013, to discuss and clarify the Draft RAIs. The following is a summary of the discussion results in those two telephone conference calls.

Draft RAI 3.0.3-1 "Request" revised. The following revision was made in response to the applicant's suggestion to clearly state the environment for the aging effect. Added text is shown underlined and in italics.

Request:

Based on the results of a review of the past 10 years of plant-specific OE, if recurring internal corrosion has occurred *in raw water or waste water environments*, provide the following (MIC on the internal surfaces of fire water system piping need not be addressed in the response to this RAI).

Draft RAI 3.0.3-2 no longer necessary. Draft RAI 3.0.3-2 stated the following:

Draft RAI 3.0.3-2

Background:

Recent industry OE and questions raised during the staff's review of several LRAs has resulted in the staff concluding that several AMPs and AMR items in the LRA may not or do not account for this OE.

Issue: A representative minimum sample size for periodic inspections for the GALL Report AMP XI.M38, "Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Program"

GALL Report AMP XI.M38 recommends that inspections be performed during periodic system and component surveillances or during the performance of maintenance activities when the surfaces are made accessible for visual inspection. As stated in program element 4, "detection of aging effects," "[v]isual and mechanical inspections conducted under this program are opportunistic in nature; they are conducted whenever piping or ducting is opened for any reason." It is possible that opportunistic inspections may not be available for one

or more material, environment, and aging effect combinations presented in the AMR line items where GALL Report AMP XI.M38 is referenced. With the exception of a few GALL Report AMR items where preventive actions alone are considered sufficient to manage aging effects, it is the staff's position that, to credit a GALL Report AMP for aging management, some assurance that a representative sample of all material, environment, and aging effect combinations will be inspected is necessary.

Request:

Justify why no changes to the program are necessary to ensure that each applicable material, environment, and aging effect will be appropriately managed during the period of extended operation. If necessary, provide revisions to LRA Section 3 Table 2s, Appendix A, and Appendix B.

The applicant stated that the information requested in this Draft RAI was provided previously in Sections A1.23 and B2.1.23 of LRA Amendment No. 3 dated June 5, 2012. The staff was able to review LRA Amendment No. 3 and noted that Amendment No. 3 revised LRA Sections A1.23 and B2.1.23 to include a representative minimum sample size for periodic inspections consistent with the issue identified in this Draft RAI, therefore, this Draft RAI will not be issued.

Draft RAI 3.0.3-3 "Request a" no longer necessary. The staff stated that "Request a" is not necessary because as draft LR-ISG-2013-01 has been continued to be developed, the issue of meeting manufacturer installation requirements has been removed.

Request:

If coatings have been installed on the internal surfaces of in-scope components (i.e., piping, piping subcomponents, heat exchangers, and tanks), state how loss of coating integrity due to blistering, cracking, flaking, peeling, or physical damage will be managed, including:

- ~~a. for each installed coating application, whether installation records used to apply the coating included material manufacturer installation specifications~~

Other Topics

Discussion: The applicant stated that in several instances the Draft RAIs used the terminology "in accordance" and suggested the staff to consider revising the wording. The staff stated that it will consider revising the wording by replacing "in accordance" with "consistent with."

The staff also had a question related to a gap in one of the proposed changes in LRA Amendment No. 25, dated August 2, 2013. The staff noted that LRA Table 3.3.2-20, page 9 of 31 of Enclosure 2 describes gray cast iron pump externally exposed to raw water managed for loss of material by the External Surfaces Monitoring of Mechanical Components Program. The staff asked the applicant whether this pump is accessible once every refueling outage interval for inspections. The applicant stated that the pumps were accessible for inspections during normal power operation. The staff found the statement adequate and has no concerns.

SUBJECT: Summary of Telephone Conference Call Conducted on October 2 and 3, 2013

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