



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

February 23, 2015

LICENSEE: Union Electric Company (Ameren Missouri)

FACILITY: Callaway Plant, Unit 1

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON MAY 12, 2014, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND UNION ELECTRIC COMPANY (AMEREN MISSOURI), 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 a telephone conference call on May 12, 2014, to clarify certain points in the applicant's RAI responses contained in its letter dated May 6, 2014, related to the review of the Callaway Plant, Unit 1, license renewal application.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a description of the items discussed. The participants agreed that the call was useful in clarifying the points of view.

The applicant had an opportunity to comment on this summary.

/RA/

John 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. Summary of the Discussion

cc w/encls: Listserv

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*concurring in person

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

LIST OF PARTICIPANTS

May 12, 2014

PARTICIPANTS

John Daily
Bill Holston
John Wise
James Medoff
Dave Shafer
Roger Wink
Sharon Merciel
Mike Hoehn
Andrew Burgess
Jerry Doughty
Eric Blocher

AFFILIATIONS

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

May 12, 2014

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of Union Electric Company (Ameren Missouri or the applicant) held a telephone conference call on May 12, 2014, to clarify certain points in the applicant's Request for Additional Information (RAI) responses contained in its letter dated May 6, 2014, related to the review of the Callaway Plant, Unit 1, license renewal application.

Discussion

The staff and the applicant discussed the following three items, with points being made as indicated:

- Response to RAI 3.0.3-2a, "Loss of Coating Integrity (Followup)." Coatings response, baseline and turbulent conditions. The staff identified one apparent minor gap in the applicant's RAI response dated May 6, 2014, regarding RAI 3.0.3-2a. The response does not appear to adequately discuss the inspections for turbulent conditions in its Open Cycle Cooling Water and Inspection of Internal Surfaces aging management programs (AMPs). The staff noted that LR-ISG-2012-02 deals with inspections of a redundant train as a two-step process: (1) that no peeling, delamination, blisters, or rusting are observed during inspections, that any cracking and flaking has been found acceptable in accordance with the "acceptance criteria" program element of the particular AMP, and that no cracking or spalling is found in cementitious coatings; and (2) that the train is not subject to turbulence.

Following some discussion the staff and the applicant agreed that the appropriate sections of the response could be made more clear by wording similar to: "...[Coatings are inspected every six years on an alternating train basis based on no observed degradation or cracking and flaking that has been evaluated as acceptable; and the component is not subject to turbulent flow]. Baseline inspections may be used to demonstrate that long-term coatings are or are not subject to turbulent flow conditions that could result in mechanical damage to the coating."

- Response to RAI 3.3.2-2a, "Submerged bolting, (Followup)." The staff noted that in describing the opportunistic inspections of the submerged bolting, the response seems to allow for either an inspection of the bolt heads or an inspection of the bolt threads. The staff position is that whenever an opportunity presented itself to do so, the applicant would inspect the bolt threads. The staff understood that bolt heads would receive their own opportunistic inspections, but the concern remained as to whether threads would be inspected when possible, such as during disassembly, maintenance involving disassembly, and so on. The applicant stated that its response was intended to reflect this approach but that the wording may not have been clear.

ENCLOSURE 2

The applicant proposed a clarification which was acceptable to the staff: "A sample of submerged bolting heads in raw water and waste water environments is visually inspected every four refueling outages (six years) when the pumps are dewatered. In addition when submerged raw water and waste water pump casings are disassembled during maintenance activities, the bolting threads will be opportunistically inspected..."

- Changes to applicant's Section 4.7.3, the time-limited aging analysis (TLAA) associated with monitoring of inner reactor vessel indications in the RV clad. The staff had concerns regarding the changes to TLAA 4.7.3 and consistency with enhancements and changes already agreed to by Ameren Missouri in Callaway's ASME Section XI Inservice Inspection AMP and others. The revision of this TLAA as written in the response dated May 6, 2014, seemed to state that the indications would be inspected by using visual inspection routines, while in previous correspondence the applicant had agreed to use physical measurements and/or depth gages in order to determine whether any wall losses had occurred since the previous inspection.

After discussing this item both parties agreed that the applicant had not intended to go against the measurement methodologies previously agreed to. It was agreed that this response should be clarified by adding discussion that expressly discussed and clarified these points.

In the case of each of the three items discussed on the call, both parties agreed that the original intent of each response was acceptable to the staff and was not changed by the clarifications, however these clarifications would need to be placed on the docket as updates to the RAI responses. The timing of submitting these clarifications to the staff was agreed to be by June 9, 2014.

The applicant stated that it understood the staff's positions and would provide the clarifications as discussed by the due date agreed upon.

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