



March 13, 2014

ULNRC-06090

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

10 CFR 2.101
10 CFR 2.109(b)
10 CFR 50.4
10 CFR 50.30
10 CFR 51.53(c)
10 CFR 54

Ladies and Gentlemen:

**DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
UNION ELECTRIC CO.
FACILITY OPERATING LICENSE NPF-30
RESPONSE TO RAI SET #30 AND AMENDMENT 32 TO THE CALLAWAY LRA**

- References: 1) ULNRC-05830 dated December 15, 2011
2) NRC Letter, "Request for Additional Information for the Review of the Callaway Plant, Unit 1, License Renewal Application, Set 30 (TAC No. ME7708)," dated February 12, 2014
3) ULNRC-06057 dated December 20, 2013
4) ULNRC-06072 dated January 16, 2014
5) ULNRC-06080 dated February 14, 2014

By the Reference 1 letter, Union Electric Company (Ameren Missouri) submitted a license renewal application (LRA) for Callaway Plant Unit 1. Reference 2 dated February 12, 2014 transmitted the thirtieth (30) Request for Additional Information (RAI) related to our application.

Enclosure 1 contains Ameren Missouri's partial response to the February 12, 2014 RAI regarding clevis insert bolts. Information is provided regarding the Callaway clevis design and 2013 inspection results. There are no changes to the LRA associated with this response. Additional supporting information related to materials and heat treatment methods used in the Callaway clevis insert bolts and future inspection plans are anticipated to be submitted by April 4, 2014.

Also included in Enclosure 1 is an updated response to RAI B2.1.6-4d, part (b), which includes an additional early plant life fuel cycle that did not meet the heat generation figure of merit limit. The overall conclusions of the RAI response are not affected. Reference 4 submitted the original response to RAI B2.1.6-4d, part (b) and Reference 5 closed the commitment (Table A4-1 Commitment 43) made in Reference 4, to update the Callaway core design procedure.

Enclosure 2 contains LRA Amendment 32 and provides the following changes to the LRA:

1. Supplements to RAI responses provided in Amendment 28 (Reference 3):
 - a. RAI 3.0.3-4, update to Table 3.2.2-5 to restore a cracking Aging Management Review (AMR) line item for stainless steel aboveground metallic tanks,
 - b. RAI 3.0.3-5, revision to Aging Management Program (AMP) B2.1.21 to reference LR ISG 2012-02 in the AMP consistency statement,
 - c. Revise LRA Appendix A1.23 and Appendix B2.1.23 to state that M38 Internal Surfaces AMP inspections will occur as a minimum every ten years during the period of extended operation.
2. Incorporate minor changes or typographical corrections in the following LRA Tables for LRA Amendment 28 (Reference 3):
 - a. LRA Table 3.3-1 Auxiliary Systems: items 128, 129, and 137 to clarify the discussion for aboveground metallic tanks,
 - b. LRA Table 3.3.2-4 Essential Service Water System: Corrected plant note for the loss of material in carbon steel piping AMR line,
 - c. LRA Table 3.3.2-26 Oily Waste System: Corrected Table 1 reference for loss of material AMR lines for stainless steel pump,
 - d. LRA Table 3.4-1 Steam and Power Conversion Systems: item 12 to clarify the discussion for aboveground metallic tanks. The item 12 change required a revision to LRA Table 3.4.2-4 to reference an equivalent NUREG-1801 item for the steam generator blowdown flash tank. Also corrected typographical errors for Table 3.4-1 items 61 through 65.

It should be noted that there are no changes to commitments contained in this transmittal.

If you have any questions with regard to these RAI responses or to Amendment 32, please contact me at (573) 489-9435 or Roger Wink at (314) 225-1561.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

Sarah Kovaleski

Sarah Kovaleski
Director, Engineering Design

Executed on: March 13, 2014

DS/klr

Enclosure: 1) Responses to Request for Additional Information (RAI) Set #30 and Updated Response
to RAI B2.1.6-4d, part (b)
2) Amendment 32, LRA Changes

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