

August 20, 2014

ULNRC-06134

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

10 CFR 50.55a

Ladies and Gentlemen:

**DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
UNION ELECTRIC CO.
FACILITY OPERATING LICENSE NPF-30
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
RE: RELIEF REQUEST 13R-17, PROPOSED ALTERNATIVE TO ASME CODE,
SECTION XI REQUIREMENTS, WHICH EXTENDS REACTOR VESSEL
INSERVICE INSPECTION FREQUENCY FROM 10 YEARS TO 20 YEARS
(TAC NO. MF3876)**

- Reference 1. ULNRC-06093, "Proposed Alternative to ASME Code, Section XI Requirements, Which Extends Reactor Vessel Inservice Inspection Frequency From 10 To 20 Years (Relief Request I3R-17)," (ADAMS Accession No. ML14098A428) dated April 8, 2013
- Reference 2. NRC Letter "Request for Additional Information Re: Relief Request 13R-17, Proposed Alternative to ASME Code, Section XI Requirements, Which Extends Reactor Vessel Inservice Inspection Frequency From 10 Years To 20 Years (TAC No. MF3876)," (ADAMS Accession No. ML14203A063) dated July 25, 2014

By the Reference 1 letter, Union Electric Company (Ameren Missouri) submitted relief request I3R-17 to provide an alternative to the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code) Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components," which would extend the reactor vessel inspection interval from 10 to 20 years. The ASME Code Edition and Addenda applicable to Callaway's third 10-year inservice inspection interval is the 1998 Edition with 2000 Addenda.

By the Reference 2 letter, the NRC staff requested additional information needed to complete its review of the relief request. The requested information is provided in the enclosure to this letter.

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This letter does not contain new commitments. If there are any questions, please contact me at 573-676-8719 or Mr. Jerry Doughty at 573-220-5145.

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

Sincerely,

Executed on: 8/20/2014

A handwritten signature in black ink that reads "Scott A. Maglio". The signature is written in a cursive style with a large, sweeping loop at the end.

Scott A. Maglio
Manager, Regulatory Affairs

Enclosure: Response to Request for Additional Information (TAC No. MF3876)

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cc: Mr. Marc L. Dapas
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
1600 East Lamar Boulevard
Arlington, TX 76011-4511

Senior Resident Inspector
Callaway Resident Office
U.S. Nuclear Regulatory Commission
8201 NRC Road
Steedman, MO 65077

Mr. Fred Lyon
Project Manager, Callaway Plant
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Mail Stop O-8B1
Washington, DC 20555-2738

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Mr. John O'Neill (Pillsbury Winthrop Shaw Pittman LLP)

Response to Request for Additional Information (TAC No. MF3876)
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- 1. Please confirm that the next ASME Code-required volumetric examination of category B-A and B-D welds must be performed by the end of the extended third inservice inspection interval (December 18, 2024).**

Callaway Response:

Callaway will perform the next ASME Code-required volumetric examination of category B-A and B-D welds prior to December 18, 2024.

- 2. Please provide the linear inches for the last weld inspection. Also, please provide the actual area of plate inspected during the last weld inspection.**

Callaway Response:

Total length of all the welds requiring volumetric examination: 4950 inches

Area of plate actually inspected: 46,600 square inches

- 3. In the license renewal application dated December 15, 2011 (ADAMS Accession No. ML113530374), page 4.2-9, the value of $RT_{NDT(U)}$ of "Nozzle Shell to Intermediate Shell Weld Seam" is different from the value in this relief request. Please explain this discrepancy.**

Callaway Response:

The "Nozzle Shell to Intermediate Shell Weld Seam" from license renewal application dated December 15, 2011 (ADAMS Accession No. ML113530374), page 4.2-9, corresponds to "Nozzle To Inter. Shell Circ. Weld 103-121" in Table 3 of relief request I3R-17. This weld was fabricated with three different weld metal heats. Relief request I3R-17 lists details for each heat, while the license renewal application shows a composite of the details, keeping only the most limiting value for each parameter from among the heats as explained in Table 3.5 of WCAP-17168-NP, Revision 0.