

July 9, 2007

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop P1-137
Washington, DC 20555-0001

Ladies and Gentlemen:

ULNRC-05424



**DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
UNION ELECTRIC CO.
RESULTS OF INSPECTIONS PERFORMED FOR
PRESSURIZER FULL STRUCTURAL WELD OVERLAYS
INSTALLED AT CALLAWAY PLANT**

- Reference 1: AmerenUE letter ULNRC-05373, "Actions for Addressing Concerns Regarding Pressurizer Alloy 82/182 Butt Welds," dated February 28, 2007.
- Reference 2: AmerenUE letter ULNRC-05413, "Results of Ultrasonic Examinations of Full Structural Weld Overlays on the Pressurizer Nozzle Welds," dated May 4, 2007.
- Reference 3: AmerenUE letter ULNRC-05385, "Response to Request for Additional Information Regarding 10 CFR 50.55a Request for Relief from ASME Section XI Repair and Replacement Requirements: Proposed Alternatives for Application of Structural Weld Overlays to Pressurizer Nozzle Welds," dated March 26, 2007.

By letter dated February 28, 2007 (Reference 1), AmerenUE (Union Electric) committed to submit results of the follow-up inspections to be performed for the weld overlays that were installed on the pressurizer nozzles at the Callaway plant during Refuel 15. Specifically, AmerenUE committed to provide a report of the inspection results within 60 days following restart from Refuel 15. Refuel 15 was subsequently concluded at the Callaway plant on May 10, 2007 when the main generator was synchronized to the grid.

AmerenUE hereby reports that appropriate inspections, performed in accordance with the qualification requirements of the industry's Performance Demonstration Initiative (PDI), were performed on the pressurizer weld overlays following their installation during Refuel 15. Based upon the PDI-qualified ultrasonic examinations, there were no recordable indications in the overlay welds,

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including the outer 1/4 of the association dissimilar metal welds (pressurizer to safe end) and the adjoining stainless steel welds (safe end to stainless steel pipe).

These results were also reported in AmerenUE's letter dated May 4, 2007 (Reference 2) which was submitted in accordance with a commitment made by AmerenUE in its letter dated March 26, 2007 (Reference 3). Upon submittal of this letter, no further action or correspondence is required in connection with the pressurizer weld overlays installed at Callaway. No new or additional regulatory commitments are made in this letter.

For any additional questions regarding this matter, please contact me at 573-676-8129 or Scott A. Maglio at 573-676-8719.

Sincerely,

A handwritten signature in black ink, appearing to read "Luke H. Graessle". The signature is fluid and cursive, with the first name "Luke" being more prominent.

Luke H. Graessle

Manager - Regulatory Affairs

MGH/TBE/slk

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