AmerenUE
Callaway Plant

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May 3, 2004

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

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DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
UNION ELECTRIC CO.
FACILITY OPERATING LICENSE NPF-30
SPECIAL REPORT
METEOROLOGAL TOWER 60M WIND DIRECTION INDICATION INOPERABLE

Ladies and Gentlemen:

Enclosed is a Special Report documenting the Inoperability of 60 Meter Meteorological Monitoring Instrumentation on the Primary Meteorological Tower in accordance with Final Safety Analysis Report 16.3.3.3, and the actions taken to restore this circuitry to an Operable status.

If you have any questions or require additional information, please contact Mr. Mark Reidmeyer, Supervisor, Regional Regulatory Affairs at (573) 676-4306.

Sincerely,

Warren A. Witt

Warren A. Witt
Manager
Callaway Plant

Enclosure

IE22

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ENCLOSURE

Special Report

The Meteorological Instrumentation Limiting Condition For Operation (LCO) (Section 16.3.3.3 of FSAR) requires the meteorological monitoring instrumentation channels to be operable at all times. With one or more required meteorological monitoring channels inoperable for more than 7 days, LCO Action 'a' requires a Special Report to be submitted to the Commission within the next 10 days outlining the cause of the malfunction and the plans for restoring the channel(s) to an operable status.

On April 23, 2004, Callaway Plant was informed by a contract meteorologist that there was an offset of approximately 21 degrees in the primary met tower 60 meter wind direction instrumentation. As a result, the primary met tower 60 meter wind direction transmitter, RDZT5000B, was declared inoperable. Further investigation indicated that the transmitter operation became suspect on March 12, 2004. Therefore March 12, 2004, was established as the date of failure.

The plant shutdown for refueling on April 10, 2004. At the time of discovery there was no fuel in the reactor (No Mode conditions).

Plans for restoration to Operable status:

A station work request was generated on April 23, 2004 to repair the transmitter. On April 25, 2004, the transmitter was replaced and a retest of the transmitter circuitry was successfully performed. At 1318, April 26, 2004, the Primary Met Tower 60 Meter wind direction sensor was declared Operable. On April 28, 2004 the contract meteorologist confirmed that wind direction data plot was fine after the repair.

Cause of the malfunction:

On March 12, 2004, the 60 Meter Wind Direction loop was calibrated. During the calibration, the transmitter was removed from the tower. All AS FOUND values were in tolerance. Upon re-installation on the tower and restoration of the loop, it appears the transmitter was damaged and created an offset. The damage was not noted by the technicians. Observations of the faulted transmitter indicate that it had a zero shift and the transmitter potentiometer showed signs of non-linear span shift.