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May 31, 2013

ULNRC-06002

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

Ladies and Gentlemen:

**DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
UNION ELECTRIC CO.  
FACILITY OPERATING LICENSE NPF-30  
SPECIAL REPORT 2013-02:  
INOPERABILITY OF A SEISMIC INSTRUMENT FOR GREATER THAN 30 DAYS**

Enclosed is a special report addressing the inoperability of a seismic monitoring instrument at Callaway Plant.

No new commitments are identified in this correspondence. None of the material in this report is considered proprietary by Union Electric Company (Ameren Missouri).

If you have any questions or require additional information, please contact Mr. Thomas Elwood, Supervising Engineer, Regulatory Affairs and Licensing at 314-225-1905.

Sincerely,

A handwritten signature in black ink, appearing to read "Fadi Diya", written over a horizontal line.

Fadi Diya  
Vice President, Nuclear Operations

CSP/nls

Enclosure

ULNRC-06002

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cc: Mr. Arthur T. Howell  
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STARS Regulatory Affairs

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

**Special Report 2013-02**

**Requirement**

Callaway Plant's Final Safety Analysis Report (FSAR) Section 16.3.3.2 contains requirements for seismic instrumentation. The Limiting Condition for Operation (LCO) specified per FSAR 16.3.3.2 requires seismic monitoring instrumentation to be Operable at all times. With a required instrument inoperable for more than 30 days, Action A applies. It states, "With one or more of the above required seismic monitoring instruments inoperable for more than 30 days, prepare and submit a Special Report to the Commission within the next 10 days outlining the cause of the malfunction and the plans for restoring the instrument(s) to OPERABLE status."

**Cause of the Seismic Monitoring Instrument Inoperability**

Seismic instrument SGAR0005, Containment Structure Peak Recording Accelerometer, was replaced on April 30, 2013. The sensor that was removed from the plant was tested to determine the "as-found" readings. The removed sensor was found to be out-of-calibration for the vertical and transverse readings. Subsequent review determined that the out-of-tolerance condition, based on the component's maintenance history, likely existed for a significant portion of the period of time since the instrument's last calibration (November 2011).

**Plans for Restoring the Instrument to OPERABLE status**

SGAR0005 was returned to service on April 30, 2013.