



May 13, 2013

ULNRC-05991

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 2013-01:  
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,

Barry L. Cox  
Senior Director, Nuclear Operations

EMP/nls

Enclosure

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## **Special Report 2013-01**

### **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 SGAR0008, "C" Steam Generator Support Peak Recording Accelerometer, was removed from service on 04/08/2013 for a routine surveillance and calibration. Since this instrument is located near the Containment Personnel Hatch entrance, it was determined that reinstallation would occur at the end of the current refueling outage. It is Callaway Plant's practice to remove SGAR0008 from service during a refueling outage to prevent potential false recordings due to heavy work performed near the seismic instrument. The instrument will be returned to service by the end of the refueling outage.

Associated seismic instrumentation SGAR0005, Containment Structure Peak Recording Accelerometer and SGAR0007, 'B' Steam Generator Piping Peak Recording Accelerometer provide an alternate means for monitoring during a seismic event. This instrumentation ensures that sufficient capability is available to promptly determine the magnitude of a seismic event and evaluate the response of those features important to safety (determine if plant shutdown is required pursuant to Appendix A of 10 CFR Part 100).

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

SGAR0008 was removed from service for calibration and to prevent false recordings which can occur during a refueling outage. As noted above, SGAR0008 will be returned to service at the end of the current refueling outage.