



October 22, 2014

ULNRC-06151

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 2014-03:
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

BLC/csp

Enclosure

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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

Index and send hardcopy to QA File A160.0761

Hardcopy:

Certrec Corporation
4150 International Plaza Suite 820
Fort Worth, TX 76109

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B. L. Cox
M. A. McLachlan
S. A. Maglio
T. B. Elwood
Corporate Communications
NSRB Secretary
STARS Regulatory Affairs
Mr. John O'Neill (Pillsbury Winthrop Shaw Pittman LLP)

Special Report 2014-03

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."

The seismic instrument mentioned below is one of several seismic instruments located at the Callaway Plant that are used to determine the magnitude of a seismic event.

Cause of the Seismic Monitoring Instrument Inoperability

A channel calibration for seismic instrument SGAR0005, Containment Structure Peak Recording Accelerometer, was completed on October 11, 2014. 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. A corrective action document was initiated on October 12, 2014. Subsequent review determined that the vertical trace from the instrument had no indication of contact with the plate's magnetic tape. It is not clear when or how the vertical stylus was bent out-of-position such that it no longer contacted the plate's tape. There is potential for the out-of-tolerance condition to have existed for a significant portion of the period of time since the instrument's last calibration (April 2013)

Plans for Restoring the Instrument to OPERABLE status

SGAR0005 was returned to service on October 11, 2014.