AmerenUE
Callaway Plant

PO Box 620
Fulton, MO 65251

July 22, 2010

ULNRC-05721

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

Ladies and Gentlemen:

DOCKET NUMBER 50-483
CALLAWAY PLANT
UNION ELECTRIC CO.
FACILITY OPERATING LICENSE NPF-30
SPECIAL REPORT
INOPERABLE CHANNEL 8 OF THE
LOOSE PARTS MONITORING SYSTEM (LPMS)

Attached is a Special Report for the inoperability of Channel 8 of the Loose Parts Monitoring System (LPMS) at Callaway. This report is submitted in accordance with Final Safety Analysis Report (FSAR) Section 16.3.3.5, Action 'a'.

A new commitment (for restoring the inoperable LPMS channel) is identified in this correspondence. None of the material presented herein is considered to be proprietary by Union Electric.

If you have any questions or require additional information, please contact Mr. Tom Elwood at 314-225-1905.

Sincerely,

Scott M

Scott Maglio
Regulatory Affairs Manager

Enclosure – Special Report

cc: Mr. Elmo E. Collins, Jr.
Regional Administrator
U.S. Nuclear Regulatory Commission
Region IV
612 E . Lamar Blvd., Suite 400
Arlington, TX 76011-4125

Senior Resident Inspector
Callaway Resident Office
U.S. Nuclear Regulatory Commission
8201 NRC Road
Steedman, MO 65077

Mr. Mohan C. Thadani (2 copies)
Senior Project Manager, Callaway Plant
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Mail Stop O-8G14
Washington, DC 20555-2738

Index and send hardcopy to QA File A160.0761

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F. M. Diya
L. S. Sandbothe
C. O. Reasoner III
S. M. Maglio
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T. L. Woodward (NSRB)
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Mr. Edward Gray, Senior REP Planner (SEMA)
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Ms. Linda Conklin (SCE)
Mr. John O'Neill (Pillsbury Winthrop Shaw Pittman LLP)
Mr. Dru Buntin (DNR)

LIST OF COMMITMENTS

The following table identifies those actions committed to by AmerenUE in this document. Any other statements in this document are provided for information purposes and are not considered commitments. Please direct questions regarding these commitments to Mr. Tom Elwood at 314-225-1905.

COMMITMENT	Due Date/Event	COMN
Restore Loose Parts Monitoring System Channel 8 to Operable Status.	**Prior to Mode 2 entry during restart from Refuel 18**	**50132**

ENCLOSURE

Special Report

The Loose Parts Monitoring System (LPMS) has a Limiting Condition for Operation (LCO) in Final Safety Analysis Report (FSAR) Section 16.3.3.5 which requires the LPMS to be Operable in Modes 1 and 2. With one or more LPMS channels inoperable for more than 30 days, Action 'a' of FSAR Section 16.3.3.5 requires a Special Report to be submitted to the NRC within the next 10 days that outlines the cause of the malfunction and provides the plans for restoring the inoperable channel(s) to Operable status.

On June 30, 2010, with Callaway Plant in Mode 1, Channel 8 of the LPMS was declared inoperable. This is one of two sensors located at the hot leg inlet to Steam Generator 'B.'

Cause of the Malfunction

The initial investigation has concluded that the channel degradation is likely associated with the channel accelerometer and hard-line cable located inside the bio-shield of the containment building. There is no audio or signal meter indication.

Plans for Restoring the Channel to Operable Status

The capability to detect loose metallic parts in the Reactor Coolant System will be retained with the remaining 11 operable channels. The redundant sensor on the hot leg inlet to Steam Generator 'B' is Operable. Therefore, continued plant operation until Refuel 18 is acceptable.

Job 10005672 has been written to repair channel 8 of the LPMS. The accelerometer will be replaced and baseline data taken. This repair and post-maintenance testing will be scheduled for the next refueling outage (Refuel 18) due to limited accessibility and high radiation dose rates required for this job if it were to be performed during normal plant operation.

Refuel 18 is currently scheduled to begin in October 2011. Repairs will be completed prior to Mode 2 entry during restart from Refuel 18.