AmerenUE
Callaway Plant

PO Box 620
Fulton, MO 65251

August 11, 2005

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop P1-137
Washington, DC 20555-0001

ULNRC-05187

Ladies and Gentlemen:

DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
UNION ELECTRIC CO.
FACILITY OPERATING LICENSE NPF-30
SPECIAL REPORT
Inoperable Channel 3 of the Loose Parts Detection System (LPDS)

Attached please find a Special Report for the inoperability of Channel 3 of the Loose Parts Detection System (LPDS) in accordance with Final Safety Analysis Report Section 16.3.3.5 Action 'a'.

New commitments are identified in this correspondence. None of the material in this response is considered proprietary by Union Electric.

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

Sincerely,

Chris R. Younie
Manager, Callaway Plant

Enclosure

Enclosure(s) 1) Special Report
2) List of Commitments

IE22

Mr. Bruce S. Mallett
Regional Administrator
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-4005

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

Mr. Jack N. Donohew (2 copies)
Licensing Project Manager, Callaway Plant
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Mail Stop 7E1
Washington, DC 20555-2738

Missouri Public Service Commission
Governor Office Building
200 Madison Street
PO Box 360
Jefferson City, MO 65102-0360

Mr. Ron Reynolds
Director
Missouri State Emergency Management Agency
P.O. Box 116
Jefferson City, MO 65102

bcc: C. D. Naslund
C. R. Younie
K. D. Young
G. A. Hughes
D. E. Shafer (470) (2 copies)
S. L. Gallagher (100)
S. L. Klang (NSRB)
M. A. Reidmeyer
E. W. Henson
A160.0761

Ms. Diane M. Hooper
Supervisor, Licensing
WCNOC
P.O. Box 411
Burlington, KS 66839

Mr. Scott Bauer
Regulatory Affairs
Palo Verde NGS
P.O. Box 52034,
Mail Station 7636
Phoenix, AZ 85072-2034

Mr. Scott Head
Supervisor, Licensing
South Texas Project NOC
Mail Code N5014
P.O. Box 289
Wadsworth, TX 77483

Mr. John O'Neill
Shaw, Pittman
2300 N. Street N.W.
Washington, DC 20037

Mr. Dennis Buschbaum
TXU Power
Comanche Peak SES
P.O. Box 1002
Glen Rose, TX 76043

Mr. Stan Ketelsen
Manager, Regulatory Services
Pacific Gas & Electric
Mail Stop 104/5/536
P.O. Box 56
Avila Beach, CA 93424

Certrec Corporation
4200 South Hulen, Suite 630
Fort Worth, TX 76109

(Certrec receives ALL attachments as long as they are non-safeguards and public disclosed).

ENCLOSURE

Ameren UE Callaway Plant
Special Report

The Loose-Part Detection System Limiting Condition for Operation (LCO) (Section 16.3.3.5 of the Final Safety Analysis Report) requires the loose-part detection system to be operable in Modes 1 and 2. With one or more Loose-Part Detection System channels inoperable for more than 30 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 operable status.

On June 19, 2005, with the Unit in Mode 1, Channel 3 of the Loose-Part Detection System (LPDS) vibration channel locked in constant alarm. Note that each channel includes a vibration range and a loose part range. Only the loose part range is required for channel alarm operability and the loose part range was not in alarm. This channel is one of two sensors mounted in the upper vessel region. LPDS Channel 3 indications were evaluated and it was determined that the loose part range indications were operable. On July 6, 2005, a sporadic cable fault indication on Channel 3 began occurring. On August 5, 2005, Channel 3 background noise indication had increased such that the ability to detect an actual loose part was questionable. It was decided to conservatively declare LPDS Channel 3 inoperable since July 6, 2005 when the first cable fault indication was received.

Cause of the malfunction:

The initial investigation has concluded that the failure is likely associated with the channel components or cable connections located inside the primary containment, as indicated by the channel's excessive noise and a constant hum on its audio output.

Plans for restoring the channel to Operable status:

The capability to detect loose metallic parts in the Reactor Coolant System has been retained with the remaining 11 operable channels. The redundant sensor on the upper vessel region is operable. Therefore continued operation to Refuel 14 is acceptable.

A station Work Request has been written to repair Channel 3 of the LPDS. The repair and testing to return the channel to operable status will be scheduled for the next refueling outage (RF014), due to limited accessibility resulting from high radiation dose rates during normal plant operation. Refuel 14 is currently scheduled to begin on September 17, 2005.

Repairs will be completed prior to restart from Refuel 14.

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:

COMMITMENT	Due Date/Event
Restoration of Loose Parts Monitoring System Channel 3 to Operable status	Prior to restart from Refuel 14

Note: Refuel 14 is currently scheduled to start September 17, 2005.