



UNION ELECTRIC COMPANY  
Callaway Plant

*DMB*

September 23, 1985

Mr. James G. Keppler  
Regional Administrator  
Office of Inspection & Enforcement  
U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

ULNRC-1183

Dear Mr. Keppler:

DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
FACILITY OPERATING LICENSE NPF-30  
SPECIAL REPORT 85-09  
LOOSE PARTS MONITORING SYSTEM

The enclosed Special Report is submitted pursuant to  
Technical Specification 3.3.3.8 concerning the loss of one channel  
of the Loose Parts Monitoring System.

*for*  
*Andrew P. Miltenberger*

S. E. Miltenberger  
Manager, Callaway Plant

*RLC*  
WRR/CAC/drs  
Enclosure

cc: Distribution attached

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PDR ADDCK 05000483  
S PDR

*EE22*  
SEP 25 1985

cc distribution for ULNRC-1183

Mr. Tom Alexion  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Mail Stop P-316  
7920 Norfolk Avenue  
Bethesda, MD 20014

American Nuclear Insurers  
c/o Dottie Sherman, Library  
The Exchange Suite 245  
270 Farmington Avenue  
Farmington, CT 06032

Records Center  
Institute of Nuclear Power Operations  
Suite 1500  
1100 Circle 75 Parkway  
Atlanta, GA 30339

Mr. Nicholas A. Petrick  
Executive Director, SNUPPS  
5 Choke Cherry Road  
Rockville, Maryland 20850

Mr. J. H. Smith  
Bechtel Power Corporation  
SNUPPS Project  
15740 Shady Grove Road  
Gaithersburg, Maryland 20877-1454

NRC Resident Inspector  
D. F. Schnell  
J. F. McLaughlin  
J. E. Davis (Z40LER)  
D. W. Capone/R. P. Wendling  
F. D. Field  
R. L. Powers  
A. C. Passwater/D. E. Shafer/D. J. Walker  
G. A. Hughes  
W. R. Robinson (QA Record)  
J. M. Price  
C. D. Naslund  
R. A. McAleenan  
S. L. Auston (470)(NSRB)  
Merlin Williams, Wolf Creek  
SEM Chrono  
3456-0021.6  
3456-0260  
Z40ULNRC  
G56.37  
N. Date

SPECIAL REPORT 85-09  
LOOSE PARTS MONITORING SYSTEM CABLE FAULT

This report is being generated in accordance with Technical Specification 3.3.3.8 action (a.) which states "with one or more Loose-Part Detection System channels inoperable for more than 30 days, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within the next 10 days outlining the cause of the malfunction and the plans for restoring the channel(s) to OPERABLE status."

At approximately 1812 CDT on 8/23/85 Channel 1 of the Loose Parts Monitoring System indicated a cable fault during the Control Room Shift and Daily Log Readings and Channel Check Surveillance. The channel would not reset after receiving and indicating the test alarm signal. The plant was in Mode 1 at 97% power.

The Channel 1 accelerometer is located on in-core instrumentation guide tube 44 at a distance of not more than 6 inches from the bottom of the reactor vessel. An additional accelerometer (Channel 2) is also located on the lower reactor vessel on guide tube 42. Channel 2 was verified operable upon discovery of the cable fault on Channel 1.

A Work Request was initiated to troubleshoot Channel 1. Verification and investigation of the Channel 1 circuitry from the Control Board to the Bio-Shield did not indicate the cause for the malfunction. No further investigation inside the Bio-Shield has been done due to the radiation level.

Additional investigation inside the Bio-Shield will be conducted at the first outage of sufficient duration. Channel 1 will be returned to operable status no later than restart following the first refueling.

IED2

1/1

Lower Core Support Assembly

guide tube 44 located at R6  
guide tube 42 located at D3

