

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Callaway Plant Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 4 8 3 1	PAGE (3) OF 0 2
--	--	--------------------

TITLE (4)  
Spurious Engineered Safety Features Actuation

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)											
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES											
0	7	1	8	8	4	8	4	0	0	1	8	0	0	0	0	0	0	0	0	0

OPERATING MODE (9) 5	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)									
POWER LEVEL (10) 0 0 0	20.402(b)	<input checked="" type="checkbox"/>	50.73(a)(2)(iv)	<input type="checkbox"/>	73.71(b)	<input type="checkbox"/>				
	20.406(a)(1)(i)	<input type="checkbox"/>	50.73(a)(2)(v)	<input type="checkbox"/>	73.71(c)	<input type="checkbox"/>				
	20.406(a)(1)(ii)	<input type="checkbox"/>	50.73(a)(2)(vii)	<input type="checkbox"/>	OTHER (Specify in Abstract below and in Text, NRC Form 366A)					
	20.406(a)(1)(iii)	<input type="checkbox"/>	50.73(a)(2)(viii)(A)	<input type="checkbox"/>						
	20.406(a)(1)(iv)	<input type="checkbox"/>	50.73(a)(2)(viii)(B)	<input type="checkbox"/>						
20.406(a)(1)(v)	<input type="checkbox"/>	50.73(a)(2)(ix)	<input type="checkbox"/>							

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME Charles D. Naslund - Superintendent, I&C		AREA CODE 3 1 4	6 7 6 - 8 5 0 0

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO				

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On 7/18/84 at approximately 1455 CDT, while restoring systems to manual after ESFAS testing, Fuel Building Isolation and Control Room Ventilation Isolation signals (FBIS and CRVIS) were initiated from radiation monitoring elements. Investigation revealed that a brief voltage abnormality occurred during the realignment of 4.16 kV bus NBO1 with the normal offsite power source during the restoration, causing downscale trips on the radiation monitor elements. The ventilation systems were returned to normal by 1930 CDT. A design change has been requested which will assist in minimizing voltage fluctuations during bus feeder transfers when completed.

This event in no way affected the health and safety of the public or environment.

IE22  
111

8408230546 840817  
PDR ADOCK 05000483  
S PDR

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  Callaway Plant Unit 1	DOCKET NUMBER (2)  0 5   0   0   0   4   8   3   8   4   -	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8   4   -	0   1   8   -	0   0	0   2	OF

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On 7/18/84 at approximately 1455 CDT, power to 4.16 kV bus NB01 was being supplied by Diesel Generator NE01 during ESFAS testing. While realigning NB01 to its normal offsite power feed, a voltage abnormality in the low voltage power circuits for radiation monitors GG-RE-27 and GK-RE-05 caused downscale trips on these monitors. This actuated Fuel Building Isolation and Control Room Ventilation Isolation signals (FBIS and CRVIS).

Monitor GG-RE-27 returned to normal shortly after the actuation and the FBIS was reset at 1513 CDT. Monitor GK-RE-05 remained in downscale trip so it was placed in the bypass mode and the Control Room Ventilation system was secured at 1600 CDT. Investigation revealed that the cause of the continuing downscale trip was a wiring termination error as a result of a design change. This error prevented reset after loss of power but did not prevent the monitor from performing its safety function. The error was corrected, proper monitor function confirmed, and the Control Room Ventilation System placed in normal on 7/18/84 at 1930 CDT.

Startup Field Request SFR-YY-095B for a design change to the NB01 and NB02 circuitry to install synchronizing voltage indicators on Main Control Board RL015 has been approved and incorporated into a Callaway Modification Package (CMP 84-0442A). This will provide indication of voltage levels on the normal offsite and diesel generator feeders to facilitate better matching of the voltage levels prior to breaker closure. This event in no way affected the health and safety of the public or environment.

Previous occurrences: none

UNION ELECTRIC COMPANY  
CALLAWAY PLANT

August 17, 1984

MAILING ADDRESS:  
P. O. BOX 620  
FULTON, MO. 65251

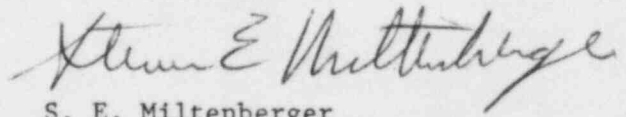
U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

ULNRC-905

DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
LICENSEE EVENT REPORT 84-018-00  
SPURIOUS ENGINEERED SAFETY FEATURES ACTUATION

Gentlemen:

The enclosed Licensee Event Report is submitted pursuant to  
10 CFR 50.73(a)(2)(iv) concerning a spurious Engineered Safety Features  
Actuation.



S. E. Miltenberger  
Manager, Callaway Plant

APN/CDN/WWW/TFN/drs  
Enclosure

cc: Distribution attached

IECC  
1/1

cc distribution for ULNRC-905

James G. Keppler  
USNRC Region III Office  
799 Roosevelt Road  
Glen Ellyn, IL 60137

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

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

NRC Resident Inspector  
Missouri Public Service Commission  
D. F. Schnell  
J. F. McLaughlin  
J. E. Davis (Z40LER)  
D. W. Capone  
R. L. Powers  
A. C. Passwater/D. E. Shafer/D. J. Walker  
G. A. Hughes  
W. R. Robinson (QA Record)  
C. D. Naslund  
A. P. Neuhalfen  
R. A. McAleenan  
L. K. Robertson (470) (NSRB)  
Merlin Williams, Wolf Creek  
SEM Chrono  
3456-0021.6  
Z40ULNRC  
G56.37  
N. Date