

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Callaway Plant Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 4 8 3				PAGE (3) 1 OF 0 2									
TITLE (4) Inadvertent Engineered Safety Feature Actuation Signal																							
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				DOCKET NUMBER(S)										
0	6	1	7	8	4	8	4	0	0	4	0	0	0	7	1	6	8	4	0	5	0	0	0
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																					
6		20.402(b)				20.405(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)									
POWER LEVEL (10)		20.405(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)									
0 0 1 0		20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)									
		20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(vii)(A)													
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)													
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)													
LICENSEE CONTACT FOR THIS LER (12)																							
NAME Charles D. Naslund - Superintendent, Instrument and Controls										TELEPHONE NUMBER AREA CODE 3 1 1 4 6 1 7 1 6 - 1 8 1 5 1 0 0													
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																							
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC													
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR							
<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)												NC		0	1	1	7	8	5				
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																							

At 1418 CDT on 6/17/84 an Engineered Safety Feature Actuation Signal (ESFAS) was initiated by a radiation monitor causing a Containment Purge Isolation Signal (CPIS) and a Control Room Ventilation Isolation Signal (CRVIS). The plant was in Mode 6, performing initial fuel loading at the time of the event.

While troubleshooting a faulty vacuum transducer on a radiation monitor, technicians failed to utilize the ESFAS bypass channel. During the course of this work an erroneous high radiation signal was received which initiated the CPIS and CRVIS. The systems were reset per plant operating procedures, the ESFAS channel was properly bypassed, and the vacuum transducer was replaced and functionally checked satisfactorily on 6/22/84.

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

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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

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

At 1418 CDT on 6/17/84 an Engineered Safety Feature Actuation Signal (ESFAS) occurred initiating a Containment Purge Isolation Signal (CPIS) and a Control Room Ventilation Isolation Signal (CRVIS). The plant was in Mode 6 performing initial fuel loading at the time of the event.

Prior to this event, radiation monitor GT-RE-33 had been giving loss of flow high pressure alarms. Technicians were troubleshooting without having placed the ESFAS channel in bypass. The channel was not bypassed because the problem with the monitor was believed to be a faulty vacuum transducer which would not cause an ESFAS signal. During the course of the work an erroneous high radiation signal was received. It is believed that a voltage spike caused the erroneous signal which in turn caused the ESFAS actuation. Spurious alarms have been received on similar monitors and are the subject of a continuing investigation as the cause. This investigation may be a long-term effort and the results will be reported as a supplement to this report when complete or by 1/17/85.

The operators reset the Containment Purge and Control Room Ventilation systems per plant operating procedures and the ESFAS channel was placed in bypass until the vacuum transducer was replaced. The radiation monitor was functionally tested satisfactorily on 6/22/84.

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

Previous occurrences: none

UNION ELECTRIC COMPANY  
CALLAWAY PLANT

July 16, 1984

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

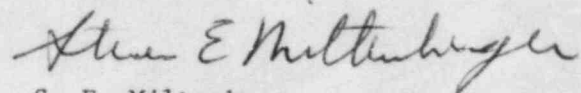
U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

ULNRC-871

DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
FACILITY OPERATING LICENSE NPF-25  
LICENSEE EVENT REPORT 84-004-00  
SPURIOUS ENGINEERED SAFETY FEATURE ACTUATION

Gentlemen:

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



S. E. Miltenberger  
Manager, Callaway Plant

*con SHW RCW*  
APN/CDN/WRR/RCW/drs  
Enclosure

cc: Distribution attached

IE22  
1/1

cc distribution for ULNRC-871

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

Director  
Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

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

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Missouri Public Service Commission  
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R. L. Powers  
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W. R. Robinson (QA Record)  
C. D. Naslund  
A. P. Neuhalphen  
SEM Chrono  
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L. Robertson (470) (NSRB)