

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
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TITLE (4)
Inadvertent Control Room Ventilation Isolation 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	1	22	85	006	00	0	2	18			0 5 0 0 0
											0 5 0 0 0

OPERATING MODE (9) 1

POWER LEVEL (10) 1 | 0 | 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

20.402(b)	<input checked="" type="checkbox"/>	50.73(a)(2)(iv)	73.71(b)
20.405(a)(1)(i)	<input type="checkbox"/>	50.73(a)(2)(v)	73.71(c)
20.405(a)(1)(ii)	<input type="checkbox"/>	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.405(a)(1)(iii)	<input type="checkbox"/>	50.73(a)(2)(viii)(A)	
20.405(a)(1)(iv)	<input type="checkbox"/>	50.73(a)(2)(viii)(B)	
20.405(a)(1)(v)	<input type="checkbox"/>	50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME Charles D. Naslund - Superintendent, I&C	TELEPHONE NUMBER AREA CODE: 3 1 1 4 6 7 6 - 1 8 5 1 0 0
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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)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

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

On 1/22/85 at 1341 CST an inadvertent Control Room Ventilation Isolation Signal (CRVIS) was generated from Control Building radiation monitor GK-RE-05. All safety features actuated as designed with the plant in Mode 1 operating at 100% power.

While technicians were troubleshooting GK-RE-05 due to inaccurate readings from the Iodine channel, a spurious spike was generated on the Particulate and Gaseous channels. Immediate investigations determined that the spurious spike was not caused by actual radiation levels but was probably an induced electrical signal generated when the power supply to the Iodine channel was removed. By 1435 the Control Building ventilation system was returned to normal.

There was no damage to plant equipment or release of radioactivity as a result of this incident. Since this incident was initiated by a spurious electrical signal and not actual radiation levels, the public health and safety was not threatened at any time during the course of this incident.

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PDR ADOCK 05000483
S PDR

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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 5 - 0 0 6 - 0 0 0 2	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
					0 2	OF 0 2

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

On 1/22/85 at 1341 CST an inadvertent Control Room Ventilation Isolation Signal (CRVIS) was generated from Control Building radiation monitor GK-RE-05. All safety features actuated as designed with the plant in Mode 1 operating at 100% power.

Technicians were troubleshooting GK-RE-05 because of inaccurate readings on the Iodine channel of the radiation monitor. While troubleshooting, the high voltage power supply output cable for the Iodine channel was removed. It is believed that this caused an electrical spike on the output of the Particulate and Gaseous channel's high voltage power supplies, since they share a common 24 VAC supply. This spike on the Gaseous channel of GK-RE-05 caused a CRVIS.

GK-RE-05 had not been bypassed at the Engineered Safety Feature (ESF) cabinets prior to troubleshooting the Iodine channel. Only the Gaseous channel of the radiation monitor is designed to initiate a CRVIS. Consequently the technicians performing the work did not expect their activities to generate a CRVIS. The cause of the spurious spike is attributed to electrical noise generated in the Particulate and Gaseous channels when the power supply to the Iodine channel was disconnected.

To prevent recurrence, future work activities on process radiation equipment will be preceded by bypassing ESF channels as appropriate.

There was no damage to plant equipment or release of radioactivity as a result of this incident. Since this incident was initiated by a spurious electrical signal and not actual radiation levels, the public health and safety was not threatened at any time during the course of this incident.

Previous occurrence: LER 84-004-01

UNION ELECTRIC COMPANY
CALLAWAY PLANT

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February 21, 1985

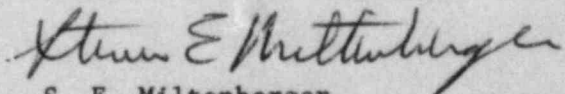
U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

ULNRC-1043

Gentlemen:

DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
FACILITY OPERATING LICENSE NPF-30
LICENSEE EVENT REPORT 85-006-00
INADVERTENT CONTROL ROOM VENTILATION ISOLATION SIGNAL

The enclosed Licensee Event Report is submitted pursuant to 10 CFR 50.73(a)(2)(iv) concerning an inadvertent Control Room Ventilation Isolation Signal caused by a spurious radiation monitor signal.


S. E. Miltenberger
Manager, Callaway Plant

CDN/RCW/drs
Enclosure

cc: Distribution attached

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cc distribution for ULNRC-1043

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