

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) 1 OF 0 2
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TITLE (4)
Manual Reactor Protection System 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		DOCKET NUMBER(S)																																							
0 7	1 4	8 4	8 4	0 1	4 0	0 8	1 0	8 4			0 5 0 0 0 0																																							
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">OPERATING MODE (8) 5</td> <td colspan="10">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)</td> </tr> <tr> <td rowspan="6">POWER LEVEL (10) 0 0 0</td> <td>20.402(b)</td> <td>20.406(e)</td> <td><input checked="" type="checkbox"/></td> <td>90.73(a)(2)(iv)</td> <td>73.71(b)</td> </tr> <tr> <td>20.406(a)(1)(i)</td> <td>90.36(e)(1)</td> <td><input type="checkbox"/></td> <td>90.73(a)(2)(v)</td> <td>73.71(c)</td> </tr> <tr> <td>20.406(a)(1)(ii)</td> <td>90.36(e)(2)</td> <td><input type="checkbox"/></td> <td>90.73(a)(2)(vii)</td> <td rowspan="4">OTHER (Specify in Abstract below and in Text, NRC Form 366A)</td> </tr> <tr> <td>20.406(a)(1)(iii)</td> <td>90.73(a)(2)(i)</td> <td><input type="checkbox"/></td> <td>90.73(a)(2)(viii)(A)</td> </tr> <tr> <td>20.406(a)(1)(iv)</td> <td>90.73(a)(2)(ii)</td> <td><input type="checkbox"/></td> <td>90.73(a)(2)(viii)(B)</td> </tr> <tr> <td>20.406(a)(1)(v)</td> <td>90.73(a)(2)(iii)</td> <td><input type="checkbox"/></td> <td>90.73(a)(2)(ix)</td> </tr> </table>												OPERATING MODE (8) 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)	20.406(e)	<input checked="" type="checkbox"/>	90.73(a)(2)(iv)	73.71(b)	20.406(a)(1)(i)	90.36(e)(1)	<input type="checkbox"/>	90.73(a)(2)(v)	73.71(c)	20.406(a)(1)(ii)	90.36(e)(2)	<input type="checkbox"/>	90.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)	20.406(a)(1)(iii)	90.73(a)(2)(i)	<input type="checkbox"/>	90.73(a)(2)(viii)(A)	20.406(a)(1)(iv)	90.73(a)(2)(ii)	<input type="checkbox"/>	90.73(a)(2)(viii)(B)	20.406(a)(1)(v)	90.73(a)(2)(iii)	<input type="checkbox"/>	90.73(a)(2)(ix)
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	20.406(a)(1)(v)	90.73(a)(2)(iii)	<input type="checkbox"/>	90.73(a)(2)(ix)																																														

LICENSEE CONTACT FOR THIS LER (12)

NAME Michael E. Taylor - Superintendent, Operations	TELEPHONE NUMBER AREA CODE 3 1 4 6 7 6 - 1 8 2 0 7
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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)

This report is being submitted pursuant to the indicated requirement due to the reactor trip breakers being manually opened as a precautionary measure by the operator in the suspension of startup testing. On 7/14/84 at 0252 CDT a high flux at shutdown alarm was received from source range monitor 3E-NI-31B. At the time of the event the plant was in Mode 5 prior to initial criticality performing Control Rod Drive Mechanism (CRDM) Timing and Digital Rod Position Indication (DRPI) System Tests (Cold Shutdown). Testing was immediately suspended and the reactor trip breakers manually opened as a precautionary measure. The Containment was found to have no radiation activity above background and the RCS boron concentration and shutdown margin were within Technical Specifications.

As a result of investigation it was determined that the alarm was spurious due to dirt and/or moisture on the source range monitor cable connectors.

This event posed no threat to the health and safety of the public or environment.

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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	LER NUMBER (6)			PAGE (3)	
		YEAR 8 4	SEQUENTIAL NUMBER - 0 1 4	REVISION NUMBER - 0 1 0	0 2	OF 0 2

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

This report is being submitted pursuant to the indicated requirement due to the reactor trip breakers being manually opened as a precautionary measure by the operator in the suspension of startup testing. On 7/14/84 at 0252 CDT a high flux at shutdown alarm was received from source range monitor SE-NI-31B. The plant was in Mode 5 performing CRDM Timing and DRPI System Tests (Cold Shutdown). No control or shutdown rods were being moved at the time of the event. Testing was immediately suspended including manual opening of the reactor trip breakers as a precautionary measure. No abnormal readings were received from source range channel SE-NI-32, Containment radiation surveillances showed no activity above background, and the RCS boron concentration of 2089 ppm and shutdown margin of 16% excess $\Delta k/k$ were determined to be within Technical Specifications.

After investigation it was determined that dirt and/or moisture on the cable connectors of the source range monitor caused the spurious spike. The cable connectors were not sealed from the possible presence of dirt and humidity. The spurious source range monitor SE-NI-31B cable connectors were cleaned and dried, after which a functional check was performed satisfactorily with the monitor declared operable at 1745 CDT.

Since the reportable event constitutes a conservative operational action no corrective action is planned.

This event posed no threat to the health and safety of the public or environment.

Previous occurrences: none

UNION ELECTRIC COMPANY
CALLAWAY PLANT

August 10, 1984

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

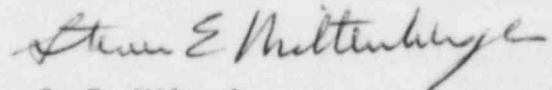
U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

ULNRC-897

DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
LICENSEE EVENT REPORT 84-014-00
MANUAL REACTOR PROTECTION SYSTEM ACTUATION

Gentlemen:

The enclosed Licensee Event Report is submitted pursuant to
10 CFR 50.73(a)(2)(iv) concerning manual Reactor Protection System
Actuation.



S. E. Miltenberger
Manager, Callaway Plant

APN P JED JTL
APN/MET/WRR/JTL/drs
Enclosure

cc: Distribution attached

IE 22
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cc distribution for ULNRC-897

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