

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
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TITLE (4)  
Unplanned Reactor Trip and Feedwater 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 9	2 3	8 4	8 4	0 4	2	0 1	1 1	0 8				0 5 0 0 0
0 9	2 3	8 4	8 4	0 4	2	0 1	1 1	0 8				0 5 0 0 0

OPERATING MODE (9) 3	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	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(c)	<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"/> 50.36(c)(1)	<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"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
	<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)							
	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)							
	<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(x)							

LICENSEE CONTACT FOR THIS LER (12)										
NAME Charles D. Naslund - Superintendent, I&C							TELEPHONE NUMBER			
							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	MANUF. TURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUF. TURER	REPORTABLE TO NPRDS		

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

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

On 9/23/84 at 0805 CDT an unplanned reactor trip and feedwater isolation signal (FWIS) occurred during testing of Power Range Nuclear Instrumentation. The incident occurred prior to initial criticality with the plant in Mode 3 at 0% power.

Technicians were performing a surveillance test on Power Range channel SE-N43. During the test, the high voltage and detector input cables were incorrectly removed from channel SE-N44 instead of SE-N43. When the cables to SE-N44 were reconnected a spike was generated which caused a reactor trip and FWIS.

All control rods and shutdown banks were verified to be fully inserted into the core, SE-N43 and SE-N44 were returned to normal and by 0825 the FWIS was reset.

Corrective actions will include changing the Power Range cabinet locks to be specific for each channel. Also, supervisory personnel have met with the technician and stressed that the utmost of caution must be utilized when testing to avoid inadvertently upsetting plant equipment.

No radiation above normal background was present and this event has in no way affected the health or safety of the public.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Callaway Plant Unit 1	DOCKET NUMBER (2) 0500048384	LER NUMBER (6)			PAGE (3) 012 OF 02
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
		04	2	01	

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

On 9/23/84 at 0805 CDT an unplanned reactor trip and feedwater isolation signal (FWIS) occurred while Instrumentation and Control (I&C) technicians were testing Power Range Nuclear Instrumentation. The incident occurred prior to initial criticality with the plant in Mode 3, Hot Standby, at 0% power.

I&C technicians were performing a channel calibration surveillance test on Power Range channel SE-N43. As part of the procedure, SE-N43 is placed in test, its high flux rate bystables tripped, and the high voltage and detector input cables are disconnected. However, a technician mistakenly removed the high voltage and detector input cables to channel SE-N44. When the technician reconnected the cables to SE-N44 a spike was generated which satisfied the two of four coincidence logic for a Power Range High Flux Rate Reactor Trip. The reactor trip caused a FWIS.

Also at the time of the event an Engineering Test Procedure, Rod Drop Time Measurement (Hot, No Flow) was in effect. Shutdown Bank "A" was withdrawn for the test and was tripped as a result of the reactor trip signal.

All control rods and shutdown banks were verified to be fully inserted into the core, SE-N43 and SE-N44 were returned to normal and by 0825 the FWIS was reset.

Corrective actions will include changing the Power Range cabinet locks to be specific for each channel. Presently, any of the Power Range cabinets could be opened with one key thus increasing the possibility of accessing the wrong Power Range channel. Cabinet locks are currently on order and are expected to be installed by 12/31/84. Also, I&C supervisors have reviewed and discussed this incident with the technician. The supervisors stressed that the utmost of caution must be utilized when performing tests to avoid inadvertently upsetting plant equipment.

Similar individualized key and lock controls are being extended to other protection system cabinets.

No radiation above normal background was present and this event has in no way affected the health or safety of the public.

Previous occurrences: none

UNION ELECTRIC COMPANY  
CALLAWAY PLANT

MAILING ADDRESS:  
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FULTON, MO. 65251

November 8, 1984

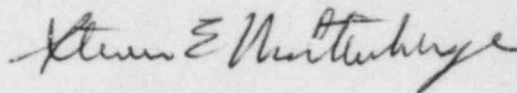
U. S. Nuclear Regulatory Commission  
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ULNRC-968

DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
FACILITY OPERATING LICENSE NPF-30  
LICENSEE EVENT REPORT 84-042-01  
UNPLANNED REACTOR TRIP WITH FEEDWATER ISOLATION SIGNAL

Gentlemen:

The enclosed Licensee Event Report is being submitted to amend the corrective action implementation schedule and to include, on page 2, an assessment of the impact on public health and safety for LER 84-042-00 transmitted via ULNRC-954, dated October 23, 1984. No other changes have been made.



S. E. Miltenberger  
Manager, Callaway Plant

CDN/WRR/RCW/drs  
Enclosure

cc: Distribution attached

IE22  
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cc distribution for ULNRC-968

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3456-0021.6  
3456-0260  
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G56.37  
N. Date