

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)
Reactor Trip and Turbine Trip

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	0 7	8 5	8 5	0 0 2	0 0 0	2 0	4 8	5			0 5 0 0 0
											0 5 0 0 0

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)									
POWER LEVEL (10) 0 5 1 0	20.402(b)	20.405(c)	<input checked="" type="checkbox"/>	50.73(a)(2)(iv)	73.71(b)					
	20.406(a)(1)(i)	50.36(e)(1)	<input type="checkbox"/>	50.73(a)(2)(v)	73.71(c)					
	20.406(a)(1)(ii)	50.36(e)(2)	<input type="checkbox"/>	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)					
	20.406(a)(1)(iii)	50.73(a)(2)(i)	<input type="checkbox"/>	50.73(a)(2)(viii)(A)						
	20.406(a)(1)(iv)	50.73(a)(2)(ii)	<input type="checkbox"/>	50.73(a)(2)(viii)(B)						
	20.406(a)(1)(v)	50.73(a)(2)(iii)	<input type="checkbox"/>	50.73(a)(2)(ix)						

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER
NAME Michael E. Taylor - Superintendent, Operations	AREA CODE	3 1 1 4 6 7 6 - 1 8 2 0 1 7

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)											
CAUSE	SYSTEM	COMPONENT	MANUFAC TURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFAC TURER	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 1/7/85 the reactor tripped from 50% power due to a turbine trip initiated by a spurious high vibration signal. Also actuated were a Feedwater Isolation, Auxiliary Feedwater Actuation, and Steam Generator Blowdown Isolation. The operators recovered from the trip per plant operating procedures and verified proper functioning of the required plant equipment.

To prevent additional unnecessary challenges of reactor protection systems, the high vibration turbine trip circuitry was modified to provide an alarm function vice a trip function. No further corrective action is deemed necessary.

There was no damage to plant equipment or release of radioactivity as a result of this incident. This event posed no threat to the public health or safety.

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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	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		85	002	00	02	OF

TEXT (If more space is required, use additional NRC Form 368A's) (17)

At approximately 1230 CST on 1/7/85 the plant was in Mode 1 and at 50% reactor power. The operators were reducing load in preparation to remove a heater drain pump from service when a high vibration turbine trip occurred due to spikes generated by Number 1 Turbine Bearing Vibration Detector. The turbine trip at 50% power (P-9) resulted in a reactor trip. With the reactor trip breakers open, the decrease in the Reactor Coolant System average temperature below 564°F (P-4) initiated a Feedwater Isolation (FWIS), Auxiliary Feedwater Actuation (AFAS), and a Steam Generator Blowdown Isolation (SGBIS).

The operators performed Emergency Operating Procedures E-0, Reactor Trip or Safety Injection, and ES-0.1, Reactor Trip Recovery, and stabilized plant conditions. Proper functioning of safety equipment was verified and the cause of the turbine trip identified.

To prevent additional unnecessary challenges of reactor protection systems, the high vibration turbine trip circuitry was modified to provide an alarm function rather than a trip function. This modification was completed on 1/7/85 under Temporary Modification 85-E-002 and Callaway Modification Request 85-0011 was initiated to implement the change permanently. No further corrective action is deemed necessary. The change from a trip to an alarm function has no impact on the nuclear safety of the plant.

There was no damage to plant equipment or release of radioactivity as a result of this incident. The public health and safety was not endangered since this event was initiated by a spurious signal and the actuated safety systems performed as designed.

Previous occurrence: LER 84-058-00

UNION ELECTRIC COMPANY
CALLAWAY PLANT

MAILING ADDRESS:
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February 4, 1985

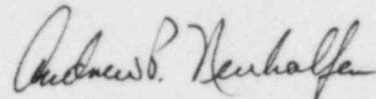
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Document Control Desk
Washington, DC 20555

ULNRC-1033

Gentlemen:

DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
FACILITY OPERATING LICENSE NPF-30
LICENSEE EVENT REPORT 85-002-00
REACTOR TRIP AND TURBINE TRIP

The enclosed Licensee Event Report is submitted pursuant to 10 CFR 50.73(a)(2)(iv) concerning an unplanned Reactor Trip caused by a Turbine Trip at greater than 50% reactor power.



S. E. Miltenberger
for Manager, Callaway Plant

MET/WRR/JWK/drs
Enclosure

cc: Distribution attached

IE22
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cc distribution for ULNRC-1033

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