

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Callaway Plant Unit 1 DOCKET NUMBER (2) 050004813 PAGE (3) 1 OF 02

TITLE (4) Inadvertent Engineered Safety Features 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)										
1	0	3	0	8	4	8	4	0	5	8	0	0	0	0	0	0	0	0	0	0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																		
1		20.402(b)		20.406(c)	X	50.73(a)(2)(iv)		73.71(b)												
		20.406(a)(1)(i)		50.38(c)(1)		50.73(a)(2)(v)		73.71(c)												
		20.406(a)(1)(ii)		50.38(c)(2)		50.73(a)(2)(vi)														
		20.406(a)(1)(iii)		50.73(a)(2)(i)		50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 365A)												
		20.406(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(A)														
		20.406(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(vii)(B)														

LICENSEE CONTACT FOR THIS LER (12)  
NAME Charles D. Naslund - Superintendent, I&C TELEPHONE NUMBER 3114617161-18151010

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS

SUPPLEMENTAL REPORT EXPECTED (14)  
YES (If yes, complete EXPECTED SUBMISSION DATE) X NO  
EXPECTED SUBMISSION DATE (15) MONTH DAY YEAR

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

On 10/30/84 at 1152 CST, with plant in Mode 1 at 30% power, Feedwater Isolation (FWIS), Auxiliary Feedwater Actuation (AFAS) and Steam Generator Blowdown Isolation (SGBIS) signals were initiated by a high level on steam generator (S/G) 'B.' The high level resulted from a transient initiated when the main turbine tripped on a spurious high vibration signal at 1150. Following the turbine trip, the steam dumps to the condenser failed to operate properly in the Tave mode, causing the S/G atmospheric reliefs to open. The oscillations between the atmospherics and the condenser dumps caused S/G level oscillations which reached the high level setpoint on S/G 'B.'

The steam dumps were switched to the steam pressure mode, allowing the atmospherics to close. Reactor power was reduced and stabilized at 3% (Mode 2). the FWIS was reset at 1200, the AFAS reset at 1220 and the SGBIS reset at 1245.

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

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 3/31/85

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (5)

PAGE (3)

Callaway Plant Unit 1

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

On 10/30/84 at 1150 CST, with plant in Mode 1 at 30% Reactor power and main generator output at 250 MW, the main turbine tripped on a spurious high vibration signal. Following the turbine trip, the steam dumps to the condenser failed to operate properly in the Tave (automatic) mode, causing the steam generator (S/G) atmospheric reliefs to open. The oscillations between the atmospheric and the condenser dumps caused S/G level oscillations which reached the high level setpoint on S/G 'B' at 1152, causing Feedwater Isolation (FWIS), Auxiliary Feedwater Actuation (AFAS) and S/G Blowdown Isolation (SGBIS).

Operators placed the steam dumps in the steam pressure mode and opened the dumps, allowing the atmospheric to close. Reactor power was reduced and stabilized at 3% (Mode 2). The FWIS was reset at 1200, the AFAS reset at 1220 and the SGBIS reset at 1245.

Investigation of the vibration on the main turbine revealed nothing abnormal and was therefore determined to be a spurious trip. The operation of the steam dumps was investigated and the problem was determined to be improper wiring termination from the turbine impulse chamber which disabled steam dump permissive C-7 and prevented the automatic operation of the dumps when the turbine tripped. This problem had not been identified by previous testing.

The steam dump wiring termination problem was corrected and the dumps verified to be operating properly.

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

Previous occurrences: none

UNION ELECTRIC COMPANY  
CALLAWAY PLANT

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

November 29, 1984

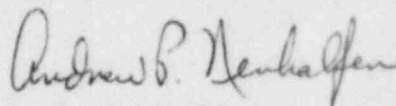
U. S. Nuclear Regulatory Commission  
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ULNRC-987

DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
FACILITY OPERATING LICENSE NPF-30  
LICENSEE EVENT REPORT 84-058-00  
INADVERTENT ENGINEERED SAFETY FEATURES ACTUATION

Gentlemen:

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

*for*   
S. E. Miltenberger  
Manager, Callaway Plant

CDN/WRR/DRM/drs  
Enclosure

cc: Distribution attached

*IE22*  
*1/1*

cc distribution for ULNRC-987

Mr. James G. Keppler  
Regional Administrator  
Office of Inspection & Enforcement  
U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

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

NRC Resident Inspector  
Missouri Public Service Commission  
D. F. Schnell  
J. F. McLaughlin  
J. E. Davis (Z40LER)  
D. W. Capone/R. P. Wendling  
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C. D. Naslund  
J. M. Price  
R. A. McAleenan  
L. K. Robertson (470) (NSRB)  
Merlin Williams, Wolf Creek  
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3456-0021.6  
3456-0260  
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G56.37  
N. Date