

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Callaway Plant Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 4 8 1 3 1 OF 0 2				PAGE (3) 1 OF 0 2		
TITLE (4) Inadvertent Actuation of Engineered Safety Features																
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 8	1 0	8 4	8 4	0 2 5	0 1 0	3 1	4 8	5					0 5 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)														
4		20.402(b)				20.405(c)				<input checked="" type="checkbox"/> X		50.73(a)(2)(iv)		73.71(b)		
POWER LEVEL (10)		20.405(a)(1)(i)				50.38(c)(1)						50.73(a)(2)(v)		73.71(c)		
0 0 0		20.405(a)(1)(ii)				50.38(c)(2)						50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 365A)		
		20.405(a)(1)(iii)				50.73(a)(2)(ii)						50.73(a)(2)(viii)(A)				
		20.405(a)(1)(iv)				50.73(a)(2)(iii)						50.73(a)(2)(viii)(B)				
		20.405(a)(1)(v)				50.73(a)(2)(iii)						50.73(a)(2)(ix)				
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	MANUFACTURER	REPORTABLE TO NPDs	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs	CAUSE	
B	J M	R E	G Q 6 3	N												
SUPPLEMENTAL REPORT EXPECTED (14)																
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO		EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR

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

On 8/10/84 at 1412 CDT an inadvertent Engineered Safety Feature (ESF) actuation signal occurred, due to a spurious spike on radiation monitor GT-RE-22, initiating a Control Room Ventilation Isolation Signal (CRVIS) and a Containment Purge Isolation Signal (CPIS).

Technicians were dispatched at the time of the event, to determine the cause of the ESF actuation signal. A noisy gaseous channel detector, which had been providing elevated radiation readings, spiked causing the CRVIS and CPIS.

As a short-term solution, GT-RE-22 was returned to service by altering the data base at the central minicomputer controller, RM-11, to compensate for the elevated readings provided by the noisy gaseous channel detector. GT-RE-22 was declared operable at 1518 CDT and the CRVIS and CPIS were reset per plant operating procedures as 1522 CDT.

A new scintillator and photomultiplier tube assembly has been ordered for the detector and is installed by approximately 3/22/85.

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

8503250222 850314
PDR ADOCK 05000483
S PDR

JE22

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)

Callaway Plant Unit 1

DOCKET NUMBER (2)

LER NUMBER (6)

PAGE (3)

YEAR

SEQUENTIAL
NUMBERREVISION
NUMBER

0 5 0 0 0 4 8 3 8 4 - 0 2 5 - 0 1 0 2 OF 0 2

TEXT / If more space is required, use additional NRC Form 385A's (17)

On 8/10/84 at 1412 CDT a spurious spike on radiation monitor GT-RE-22 caused an inadvertent Engineered Safety Feature (ESF) actuation signal initiating a Control Room Ventilation Isolation Signal (CRVIS) and a Containment Purge Isolation Signal (CPIS). The plant was in Mode 4, Hot Shutdown, 0% power at the time of the event. This event is classified as reportable under 10 CFR 50.73(a)(2)(iv).

Technicians were dispatched at the time of the event to determine the cause of the CRVIS and CPIS. The gaseous channel detector for GT-RE-22 was reading an abnormally high background count of approximately 350 counts per minute (CPM) thus placing GT-RE-22 closer to its alarm limit of 1550 CPM. At 1412 CDT the monitor saw a small spike which, when coupled to the elevated background count, produced a momentary ESF actuation signal trip via the gaseous channel analog output. The elevated readings provided by the detector was caused by a noisy gaseous channel detector tube.

On a short-term basis, GT-RE-22, was returned to service by altering the data base at the central minicomputer controller, RM-11, to compensate for the elevated 350 CPM reading caused by the noisy detector tube. This in no way lessens the ability of GT-RE-22 in performing its function. GT-RE-22 was declared operable at 1518 CDT and the CRVIS and CPIS were reset per plant operating procedures at 1522 CDT.

A new scintillator and photomultiplier tube assembly, part No. 02810340-01, has been ordered for GT-RE-22 from the vendor, GA Technologies, and will be installed by 3/22/85.

Spurious alarms have been received on similar monitors and are the subject of a continuing investigation as to the cause. The results of this investigation will be reported as a supplement to LER 84-004-01 when complete or by 7/17/85.

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

Previous occurrences: LER 84-004-00

UNION ELECTRIC COMPANY
CALLAWAY PLANT

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

March 14, 1985


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

ULNRC-1056

Gentlemen:

DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
FACILITY OPERATING LICENSE NPF-30
LICENSEE EVENT REPORT 84-025-01
INADVERTENT ENGINEERED SAFETY FEATURES ACTUATION

The enclosed Licensee Event Report is submitted to amend
the corrective action implementation schedule for LER 84-025-00
transmitted via ULNRC-918, dated September 7, 1984.



S. E. Miltenberger
Manager, Callaway Plant

WRR/RCW/drs
Enclosure

cc: Distribution attached

IF22
11

cc distribution for ULNRC-1056

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
F. D. Field
R. L. Powers
A. C. Passwater/D. E. Shafer/D. J. Walker
G. A. Hughes
W. R. Robinson (QA Record)
J. M. Price
R. A. McAleenan
L. K. Robertson (470) (NSRB)
Merlin Williams, Wolf Creek
SEM Chrono
3456-0021.6
3456-0260
Z40ULNRC
G56.37
N. Date