

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Callaway Plant Unit 1 DOCKET NUMBER (2) 0 5 0 0 0 4 8 3 1 OF 0 3

TITLE (4) Technical Specification Violation

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	2	2	6	8	5	8	5	0	1	3	0	0	0	0	0	0
0	2	2	6	8	5	8	5	0	1	3	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)
POWER LEVEL (10) 0 8 8	20.405(a)(1)(i)
	20.405(a)(1)(ii)
	20.405(a)(1)(iii)
	20.405(a)(1)(iv)
	20.405(a)(1)(v)
	20.405(a)(2)(i)
	20.405(a)(2)(ii)
	20.405(a)(2)(iii)
	20.405(a)(2)(iv)
	20.405(a)(2)(v)
	20.405(a)(2)(vi)
	20.405(a)(2)(vii)
	20.405(a)(2)(viii)
	20.405(a)(2)(ix)
	20.405(a)(2)(x)

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

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

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)

The containment purge radiation monitoring system is designed with a primary and a backup system. Containment atmosphere monitors serve as the backup system with their primary function being Reactor Coolant System leakage detection.

Technical Specifications (T/S) require that containment purge valves be maintained closed with the containment atmosphere monitors inoperable. Due to personnel error from inadequate procedural guidance, a mini purge was commenced with the containment atmosphere monitors in bypass. Although T/S were violated, the containment exhaust was monitored and isolation protection provided by the Containment Purge Isolation System.

The mini purge was terminated immediately when the reactor operator realized that the backup monitors were in bypass. The procedure for placing the mini purge system in service was revised by a Temporary Change Notice to ensure that the backup monitors are operable during a mini purge. Additional procedure revisions to permanently incorporate this requirement will be issued by 4/15/85.

No abnormal radioactive releases occurred as a result of this incident and, with the containment purge monitors operable, the public health and safety was not endangered.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 3/31/85

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (6)

PAGE (3)

Callaway Plant Unit 1

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

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

The containment purge isolation function is provided from two independent systems - the Containment Purge System and the Containment Atmosphere Monitoring System. Containment purge monitors GT-RE-22 and GT-RE-33 are the primary detection devices for containment purges. The containment atmosphere monitors GT-RE-31 and GT-RE-32 serve as the backup system with their principal purpose being Reactor Coolant System (RCS) leakage detection. Both systems are designed to give a Containment Purge Isolation Signal (CPIS) and a Control Room Ventilation Isolation Signal (CRVIS) if radiation level limits are exceeded.

Due to previous unnecessary CRVIS's from spurious signals the backup monitors, GT-RE-31 and GT-RE-32, were placed in bypass on 1/25/85 as described in LER 85-008-00. It is permissible to bypass the monitors when not purging containment per Final Safety Analysis Report 7.3.4.1.1 Section C, which states: "Bypass of the containment atmosphere gaseous radioactivity signal is provided, as shown in Figure 7.3-1, to allow for control room ventilation system operation during those times when no containment purge is in progress and the containment gaseous radioactivity level exceed the trip setting." Per Technical Specification Table 3.3-6 (regarding inoperability of GT-RE-31 and GT-RE-32), Action 26 is satisfied as long as containment purge valves are left closed when GT-RE-31 and GT-RE-32 are in bypass. Action 29 (regarding RCS leakage detection system) is satisfied since GT-RE-31 and GT-RE-32 remain operable for this function when in bypass. The bypass mode affects the CPIS and CRVIS capabilities of the monitors but leaves them available for RCS leakage detection. Caution tags stating that the backup monitors were in bypass were placed on the control switches of containment purge valves.

On 2/26/85 at 0000 hours CST it was determined a mini purge was needed to lower the primary containment internal pressure. At 0550 on 2/26/85 the mini purge was commenced. The backup monitors GT-RE-31 and GT-RE-32 were in bypass when the containment purge valves were opened. Although Action 26 of the T/S was violated, adequate protection was provided by the primary system (GT-RE-22 and GT-RE-33). At 0844 the day shift reactor operator realized that GT-RE-31 and GT-RE-32 were in the bypass position and the mini purge was terminated.

This incident was due to personnel error resulting from inadequate procedural guidance for placing the mini purge system in service. The Shift Supervisor and Reactor Operator were counseled relative to this event. To prevent recurrence, Temporary Change Notice 85-089 was issued to procedure OTN-GT-00001, Containment Purge System Normal Operating Procedure, to include a caution to ensure GT-RE-31 and GT-RE-32 are not in bypass prior to operating the mini purge dampers. Additional

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (6)

PAGE (3)

Callaway Plant Unit 1

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

TEXT (If more space is required, use additional NRC Form 388A's) (17)

procedure revisions to permanently incorporate this requirement will be issued to OTN-GT-00001 and HTP-ZZ-02012, Gaseous Radwaste Release Permit (Containment Purge) Procedure, by 4/15/85. No further corrective action is deemed necessary.

There was no damage to the plant equipment or abnormal release of radioactivity as a result of this incident. Since the exhaust from containment was monitored by the primary monitors the public health and safety was not endangered.

Previous occurrences: none

UNION ELECTRIC COMPANY  
CALLAWAY PLANT

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March 28, 1985

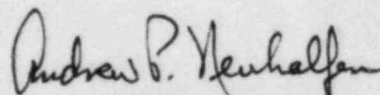
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ULNRC-1069

Gentlemen:

DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
FACILITY OPERATING LICENSE NPF-30  
LICENSEE EVENT REPORT 85-013-00  
TECHNICAL SPECIFICATION VIOLATION

The enclosed Licensee Event Report is submitted pursuant to  
10 CFR 50.73(a)(2)(i) concerning plant operation prohibited by  
Technical Specifications.



S. E. Miltenberger  
Manager, Callaway Plant



MET/WRR/RAP/drs  
Enclosure

cc: Distribution attached

IE22  
1/1



cc distribution for ULNRC-1069

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