

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 4
---	--	----------------------------

TITLE (4) **Missed Tech Spec 4.8.4.1.b Surveillance and Improper Wiring of Containment Penetration Overcurrent Protective Devices**

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV. NO.	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
0 5 0 5 9 5	9 5	-	0 0 2	-	0 0 0 6 0 1 9 5					0 5 0 0 0 0 0 0	

OPERATING MODE (9) 5	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"/> 20.405(a)(1)(i) <input type="checkbox"/> 20.405(a)(1)(ii) <input type="checkbox"/> 20.405(a)(1)(iii) <input type="checkbox"/> 20.405(a)(1)(iv) <input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 20.405(c) <input type="checkbox"/> 50.36(c)(1) <input type="checkbox"/> 50.36(c)(2) <input checked="" type="checkbox"/> 50.73(a)(2)(i) <input type="checkbox"/> 50.73(a)(2)(ii) <input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(iv) <input type="checkbox"/> 50.73(a)(2)(v) <input type="checkbox"/> 50.73(a)(2)(vii) <input type="checkbox"/> 50.73(a)(2)(viii)(A) <input type="checkbox"/> 50.73(a)(2)(viii)(B) <input type="checkbox"/> 50.73(a)(2)(ix) <input type="checkbox"/> 73.71(b) <input type="checkbox"/> 73.71(c) <input type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 366A)

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER
NAME H. D. Bono, Supervising Engineer, Site Licensing		AREA CODE 3 1 4 6 7 6 - 4 4 2 8

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	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 5/5/95, a utility engineer reviewing Technical Specification (T/S) surveillance 4.8.4.1 implementing procedures for containment penetration conductor overcurrent protective devices discovered that feeder breaker NG02BAR131 for containment purge exhaust sampling valves GTRV0033A and GTRV0033B was not listed. The associated circuit's limiting fault current exceeds its penetration rating and therefore should be surveilled in accordance with T/S 4.8.4.1 surveillance requirements. A review of the work history for NG02BAR131 indicated it had never been surveilled in accordance with T/S 4.8.4.1. An immediate inspection of the backup fuse revealed that it was inoperable due to miswiring. This condition had existed since initial plant startup. This event is therefore reportable per 10CFR50.73(a)(2)(i).

The cause of this event was inadequate surveillance and preventive maintenance procedures and inadequate identification of the work scope during original plant construction. A comprehensive review of containment penetration circuits and associated overcurrent devices was performed. No additional T/S compliance concerns were discovered. A subsequent test of NG02BAR131 demonstrated that it would have successfully tripped in the event of a design fault current condition. The fuse wiring was corrected to existing plant drawings. T/S 4.8.4.1 implementing procedures will be revised accordingly.

9506070130 950601
PDR ADDCK 05000483
S PDR

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">LER NUMBER (6)</th> <th colspan="2">PAGE (3)</th> </tr> <tr> <td style="width: 10%;">YEAR</td> <td style="width: 10%;">SEQUENTIAL NUMBER</td> <td style="width: 10%;">REV NO.</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> </table>	LER NUMBER (6)			PAGE (3)		YEAR	SEQUENTIAL NUMBER	REV NO.							
LER NUMBER (6)			PAGE (3)														
YEAR	SEQUENTIAL NUMBER	REV NO.															
Callaway Plant Unit 1	0 5 0 0 0 4 8 3	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>9</td><td>5</td><td>-</td><td>0</td><td>0</td><td>2</td><td>-</td><td>0</td><td>0</td> </tr> </table>	9	5	-	0	0	2	-	0	0	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>0</td><td>2</td><td>OF</td><td>0</td><td>4</td> </tr> </table>	0	2	OF	0	4
9	5	-	0	0	2	-	0	0									
0	2	OF	0	4													

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

BASIS FOR REPORTABILITY:

This event is reportable per the requirements of 10CFR50.73(a)(2)(i)(B) as a condition prohibited by the plant's Technical Specifications (T/S). On 5/5/95, a utility engineer discovered that feeder circuit breaker NG02BAR131⁽¹⁾ for Containment Purge Exhaust Sampling Valves GTRV0033A⁽²⁾ and GTRV0033B⁽³⁾ had not been surveilled in accordance with T/S 4.8.4.1 since plant startup. Additionally, an immediate inspection of the referenced circuit's backup fuse⁽⁴⁾ revealed that it was inoperable due to miswiring. This would necessitate the breaker to be placed in a tripped position as required by T/S 3.8.4.1.a. This condition had existed since plant startup.

PLANT CONDITION AT TIME OF EVENT DISCOVERY:

Mode 5 - Cold Shutdown

DESCRIPTION OF EVENT:

On 5/5/95, during a review of breaker and fuse testing requirements in Electrical Preventive Maintenance Procedure MPE-ZZ-QN001, "Inspection of Fuses Associated with Containment Overcurrent Protection," and electrical surveillance procedure MSE-ZZ-QS004, "18 Month Selection of Molded Case 480v Containment Overcurrent Devices," a utility engineer discovered a circuit for the containment purge exhaust sampling valves GTRV0033A and GTRV0033B was not included. T/S 4.8.4.1.b requires "all containment penetration conductor overcurrent protective devices whose circuit limiting fault current exceeds the penetration rating shall be demonstrated operable . . . at least once per 60 months by subjecting each circuit breaker to an inspection and preventive maintenance in accordance with procedures prepared in conjunction with its manufacturer's recommendations." Investigation by utility engineers indicated that the circuit for GTRV0033A and GTRV0033B does not self-limit the current below the penetration rating, and thus should have been identified and tested. A further review of the work history for feeder breaker NG02BAR131 for valves GTRV0033A and GTRV0033B, indicated the T/S 4.8.4.1.b surveillance had never been performed. Additionally, an immediate inspection of the backup fuse revealed that it was inoperable due to miswiring. This would have necessitated the breaker be placed in a tripped position as required by T/S 3.8.4.1.a. A further review indicated this condition had existed since initial plant startup. Subsequent testing of NG02BAR131 indicated it would have tripped in the event of a design fault current condition.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
Callaway Plant Unit 1	0 5 0 0 0 4 8 3	YEAR	SEQUENTIAL NUMBER	REV NO.			
		9 5 -	0 0 2	- 0 0			

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

ROOT CAUSE:

The root cause for the missed T/S 3/4.8.4.1 surveillance was the fact that the referenced circuit was not identified as meeting the criteria for inclusion in the original containment penetration conductor overcurrent protection device lists of T/S 3/4.8.4.1.

The root cause of the miswiring of the fuse was inadequate identification of the work scope during original plant construction. This resulted in this item not being identified to be changed by an initial construction work document. Although the work was not performed, plant drawings had been revised to reflect the current design.

CORRECTIVE ACTIONS:

A comprehensive review of containment penetration circuits and associated overcurrent devices was performed by utility engineers. Compliance with T/S 3/4.8.4.1 was verified by ensuring that all other containment penetration conductor overcurrent protective devices, whose circuit limiting fault current exceeds the associated penetration rating, were listed in appropriate surveillance and preventive maintenance procedures. MPE-ZZ-QN001 and MPE-ZZ-QS004 will be revised to include the breaker and fuse prior to the next scheduled surveillance. The fuse wiring for feeder NG02BAR131 was corrected to agree with existing plant drawings.

SAFETY SIGNIFICANCE:

Feeder breaker NG02BAR131 was tested by utility personnel in accordance with plant procedures. This testing indicated that the breaker would have tripped in the event of a design fault current condition, and was therefore capable of performing it's safety function of maintaining containment integrity during a design bases event. This event therefore did not present a threat to the public health and safety.

PREVIOUS OCCURRENCES:

None.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REV NO.			
Callaway Plant Unit 1	0 5 0 0 0 4 8 3	9 5	- 0 0 2	- 0 0	0 4	OF	0 4

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

FOOTNOTES:

The system and component codes listed below are from IEEE Standard 805-1984, respectively:

- (1) System - ED, Component - BKR
- (2) System - IK, Component - SMV
- (3) System -IK, Component - SMV
- (4) System ED, Component - FV