

**LICENSEE EVENT REPORT**

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

9 N C B E P 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5  
 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

REPORT SOURCE L 6 0 5 0 - 0 3 2 5 7 1 2 1 0 7 7 8 8 0 1 0 9 7 8 9

60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

After performing an E.C.C.S. load sequencing test, diesel generator #3 was being remotely secured from the control room when a reverse power alarm was received. The diesel generator output breaker was tripped by the control operator and smoke was observed to be coming from 32D relay. When the cover for the 32D, Directional Power Relay, was removed, the relay started to flame and was extinguished by a technician. When the diesel generator output breaker door was opened, the diesel lockout relay, 86DB, was also found flaming and was extinguished.

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SYSTEM CODE E E 11		CAUSE CODE X 12		CAUSE SUBCODE Z 13		COMPONENT CODE R E L A Y X 14		COMP. SUBCODE D 15		VALVE SUBCODE Z 16	
LER/RO REPORT NUMBER 7 7 21 22		EVENT YEAR 7 7 21 22		SEQUENTIAL REPORT NO. 1 1 1 24 25 26		OCCURRENCE CODE 0 3 28 29		REPORT TYPE 1 30		REVISION NO. 0 32	
ACTION TAKEN A 18		FUTURE ACTION Z 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 0 0 22 23		ATTACHMENT SUBMITTED Y 23	
NPRD-4 FORM SUB Y 24		PRIME COMP SUPPLIER A 25		COMPONENT MANUFACTURER G 0 8 0 26							

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

No cause for the failure was determined. All relay control wiring was checked and found to be correct. The 32D relay was replaced, recalibrated, and checked. The 86DB relay coil was replaced, the contacts cleaned, and the relay action checked. The 86DB relay was then installed and recalibrated. The relay circuits were then visually checked and trip checked. (See attached)

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9 FACILITY STATUS (28) 1 0 0 (29) NA (30) METHOD OF DISCOVERY (31) Surveillance Test (32) DISCOVERY DESCRIPTION 80

9 ACTIVITY CONTENT (33) Z (34) NA (35) AMOUNT OF ACTIVITY 44

10 RELEASED OF RELEASE (36) LOCATION OF RELEASE 80

PERSONNEL EXPOSURES			DESCRIPTION	
NUMBER	TYPE			
000	37 Z	38	NA	39

PERSONNEL INJURIES	
NUMBER	DESCRIPTION
00040	NA

LOSS OF OR DAMAGE TO FACILITY		(43)	7904060444
TYPE	DESCRIPTION		
(2) (42)	NA		

PUBLICITY		DESCRIPTION		RHC USE ONLY	
ISSUED	(45)				

NRC USE ONLY

7904060444

LER CONTINUATION -- RO# 1-77-111

Facility: BSEP Unit #1

Event Date: 12-10-77

CAUSE DESCRIPTION CON'T.:

A followup check will be made with the relay manufacturer to ensure that this type of relay does not have a history of failures. If any problems are uncovered, an additional report will be submitted.