

LICENSEE EVENT REPORT

CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	N	C	B	E	P	2	0	0	-	0	0	0	0	0	0	0	3	4	1	1	1	1	4		5					
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33					
LICENSEE CODE														LICENSE NUMBER										LICENSE TYPE						CAT 58	

0	1	L	0	5	0	-	0	3	2	4	0	6	1	4	8	1	0	7	0	8	8	1		9	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
CON'T		REPORT SOURCE		DOCKET NUMBER										EVENT DATE						REPORT DATE					

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During the performance of Diesel Generator Actual Loading Test, PT 12.1.2a, No. 1

0 3 | diesel generator started as required and tied to its emergency bus, E-1. The diesel

0 4 | then immediately tripped with a concurrent opening of the diesel generator output

0 5 | breaker. This test simulates the loss of off-site power in conjunction with an ECCS

0 6 | test signal. This event did not affect the health and safety of the public.

0 7 |

0 8 | Technical Specifications 3.8.1.1, 6.9.1.9b

0	9	E	E	11	E	12	F	13	I	N	S	T	R	U	14	P	15	Z	16		
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
		SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE						COMP. SUBCODE		VALVE SUBCODE					
17		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.											
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER					
A		Z		Z		Z		0 0 0 0		Y		Y		A		X 9 9 9		26			
33		34		35		36		37		40		41		42		43		47			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 C | The diesel lockout logic voltage dropping resistor, AE8, shorted to ground causing the

1 1 | lockout relay device, 86DB, to energize, tripping the diesel and opening the output

1 2 | breaker. The resistor, Clarostat model number VK160W75, was replaced and the PT was

1 3 | successfully performed. No cause was determined for the failed resistor. Plant

1 4 | documentation shows no previous history of similar resistor failures.

1	5	F	28	0	8	0	29	NA	30	B	31	Periodic Test	32
7	8	9	10	11	12	13	14	15	16	17	18	19	20
FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION					
1 6		Z		Z		NA		NA					
7		8		9		10		11					
ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE							
1 7		0 0 0		Z		NA		NA					
7		8		9		10		11					
PERSONNEL EXPOSURES		NUMBER		TYPE		DESCRIPTION							
1 8		0 0 0		Z		NA		NA					
7		8		9		10		11					
PERSONNEL INJURIES		NUMBER		DESCRIPTION									
1 9		0 0 0		NA				NA					
7		8		9		10		11					
LOSS OF OR DAMAGE TO FACILITY		TYPE		DESCRIPTION									
2 0		Z						NA					
7		8		9		10		11					
PUBLICITY ISSUED		DESCRIPTION											
2 0		N						NA					
7		8		9		10		11					

8108030333 810708
PDR ADOCK 05000324
S PDR

NAME OF PREPARER M. J. Pastva, Jr. PHONE 919-457-9521

NRC USE ONLY

LER 2-81-55 ATTACHMENT

Facility: BSEP Unit No. 2

Event Date: 6-14-81

No. 1 diesel generator tripped as a result of a diesel lockout signal from lockout relay device, 86DB, model number HEA61B, that occurred when the lockout device relay coil became energized. Diesel lockout logic voltage dropping resistor, AE8, shorted to ground and the resulting electrical arc energized the 86DB relay coil. The device then initiated its protective function of tripping the diesel and opening the diesel generator output breaker. At no time did an actual trip condition exist which would have energized the device as designed. Lockout relay device, 86DB, receives initiation input from any of three diesel protective relays:

1. Diesel generator power directional relay, 32D (reverse power)
2. Diesel generator overcurrent relay, 51V
3. Loss of excitation relay, 40

An examination of the shunt resistor revealed a hole in its porcelain insulation approximately 1/16 inch in diameter. The resistor was replaced and tested for normal operation. The shunt resistors on the remaining three diesel generators were inspected with no problems found. A failure mode for this resistor insulation breakdown could not be identified. This is considered to be an isolated event.