

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

REPORT SOURCE L 6 0 5 10 0 0 3 2 1 7 0 6 0 9 7 8 8 0 6 3 0 7 8 0

60 61 DOCKET NUMBER 62 63 EVENT DATE 64 65 REPORT DATE 66

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

2 With the reactor in cold shutdown on 6-30-78, Procedure HNP-1-3902, "Safety Relief
3 Valve Functional Test," was attempted unsatisfactorily on B21-F013C and B21-F013L to
4 functional test the solenoids installed per DCR 78-9. The solenoids had not previously
5 been in service, and since the SRV's are not required to be operable while the reactor
6 is in cold shutdown, the SRV solenoids were not required to be operable and there was
7 no significance in the failure of the SRV solenoid valves at the time of testing.
8 This is a non-repetitive occurrence.

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9	SYSTEM CODE S B	11	CAUSE CODE E	12	CAUSE SUBCODE A	13	COMPONENT CODE V A L V O P	14	COMP. SUBCODE X	15	VALVE SUBCODE F	16
8	9 10	11	11 12	12	12 13	13	13 18	14	15 19	15	16 20	16
17	LER/RO REPORT NUMBER 7 8	21 22	EVENT YEAR 7 8	23	SEQUENTIAL REPORT NO. 0 4 3	24 26	OCCURRENCE CODE 0 3	27 28	REPORT TYPE L	29 30	REVISION NO. 1	31 32
33	ACTION TAKEN E	34	FUTURE ACTION Z	35	EFFECT ON PLANT Z	36	SHUTDOWN METHOD Z	37	HOURS 0 0 0 0	38 40	ATTACHMENT SUBMITTED N	41 42
33	18	34	19	35	20	36	21	37	22	38	23	41
42	NPRD-4 FORM SUB. Y	43	PRIME COMP. SUPPLIER N	44	COMPONENT MANUFACTURER T 0 2 0	45	24	25	26	46	47	
42	42	43	43	44	44	45	45	46	46	47	47	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

0 Of the eleven Target Rock D. C. actuated solenoid valves tested, only two failed. One

1 failed from its plunger being bent out of adjustment and the other failed because its

2 plunger was not properly secured to the stem of the actuating springs. Although nine

3 of the solenoid valves passed the functional test and were found completely operable,

4 seven were found not to have the required locktite on the threads of the (cont. P. 2)

LIT TUS										% POWER										OTHER STATUS										METHOD OF DISCOVERY										DISCOVERY DESCRIPTION																			
G 28										0 0 0										N/A										C 31										Functional Test																			
ACTIVITY										CONTENT										RELEASED										OF RELEASE										AMOUNT OF ACTIVITY										LOCATION OF RELEASE									
Z 33										Z 34										N/A										N/A										36																			
PERSONNEL EXPOSURES										NUMBER										TYPE										DESCRIPTION																													
0 0 0										Z 35										N/A																																							
PERSONNEL INJURIES										NUMBER										DESCRIPTION																																							
0 0 0										36										N/A																																							
LOSS OF OR DAMAGE TO FACILITY										TYPE										DESCRIPTION																																							
Z 47										N/A																																																	
PUBLICITY										ISSUED										DESCRIPTION																																							
N 48										N/A																																																	

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Reportable Occurrence Report No. 50-321/1978-43

Cause Description and Corrective Actions (continued)

solenoid plungers. The failure of the two solenoids and lack of locktite on seven solenoids can be contributed to poor QC control on the part of the solenoid manufacturer. All eleven SRV solenoid valves were removed, disassembled, cleaned, and readjusted or replaced as deemed necessary by the Target Rock factory representative. The SRV solenoid valves were bench-tested, remounted, and retested satisfactorily with no further action required.