

Previous Report Date 04-16-81

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

SYSTEM CODE C 10		CAUSE CODE E 12		CAUSE SUBCODE X 13		COMP. SUBCODE P 15		VALVE SUBCODE B 16	
EVENT YEAR 8 1		SEQUENTIAL REPORT NO. 0 2 1		OCCURRENCE CODE 0 3		REPORT TYPE L		REVISION NO. 1	
ACTION TAKEN B 18		FUTURE ACTION Z 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 0 22	
ATTACHMENT SUBMITTED Y 23		NPRD-4 FORM SUB. N 24		PRIME COMP. SUPPLIER A 25		COMPONENT MANUFACTURER C 7 1 0 26			

FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
5	E	28	100	29	NA	30	A	31	Operator Observation
ACTIVITY CONTENT RELEASED OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE					
6	Z	33	Z	34	NA	35		36	
PERSONNEL EXPOSURES		NUMBER		TYPE		DESCRIPTION			
7	0	0	0	37	Z	38	NA	39	
PERSONNEL INJURIES		NUMBER		DESCRIPTION					
8	0	0	0	40		41	NA		
LOSS OF OR DAMAGE TO FACILITY		TYPE		DESCRIPTION					
9	Z	42		43	NA				
PUBLICITY		ISSUED		DESCRIPTION				NRC USE ONLY	
0	N	44		45	NA				

NRC USE ONLY

13011 220 A77C 1A01C

8210280332 810512
PDR ADOCK 05000317
S PDR

LER NO. 81-21/3L Rev. 1
DOCKET NO. 50-317
LICENSE NO. DPR-53
EVENT DATE 03-20-81
REPORT DATE 05-12-81
ATTACHMENT

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (CONT'D)

At 1525 on March 20, 1981, with Unit 1 at 100% power, #12 Coolant Charging Pump (CCP) was started for post maintenance testing. When #12 CCP started, a pressure surge in the CCP common discharge header caused #13 CCP discharge relief valve to lift. It was reported that the valve had lifted and failed to reseal, rendering the charging pump "inoperable". #13 CCP was taken out of service for repairs. The testing of #12 CCP was completed and it was put back in service at 1805.

The discharge relief valve for #13 CCP was removed, tested and inspected. In testing, the valve lifted and reseated within proper limits of operation. Physical inspection revealed damage to the disc caused by repeated lifting of the valve "hammering" the disc against the seat. Further investigation revealed that the discharge pressure desurger on #13 CCP had lost its nitrogen precharge. This caused inordinate cycling of the pressure at the pump discharge, lifting the relief valve repeatedly. The only indication of this valve lifting is the noise it creates and in the high noise level area of the charging pumps these repeated lifts can easily be construed as "chattering" of a stuck open relief valve. There was also a small fluid flow through the valve due to the damaged disc.

The relief valve disc was repaired, the valve was reinstalled, and the system returned to normal. The discharge desurger was correctly precharged and no further problem has been noted.