" UPDATE REPORT LICENSEE EVENT REPORT Previous Report Date 04-16-81 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) CONTROL BLOCK: 10 -1000000-0004 LICENSE NUMBER 25 28 M D C C N 1 2 0 0 10 1 LICENSE NUMBER LICENSEE CODE N'T 6 0 5 0 0 0 3 1 7 0 0 3 2 0 8 1 8 0 5 1 2 8 1 9REPORT 1 L SOURCE EVENT DATE 74 75 REPORT DATE 61 DOCKET NUMBER EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) At 1525, during normal power operation, #12 Coolant Charging Pump (CCP) 2 was started for testing after maintenance. When #12 CCP started, the 3 discharge relief valve for #13 CCP lifted and appeared to stick open, 4 rendering a second cooling charging pump inoperable (T.S. 3.1.2.4). #12 5 CCP was returned to service at 1805. #11 CCP remained operable during 16 this event. This event had no impact on the public health or safety 7 and is non-repetitive. 8 SYSTEM CAUSE CAUSE COMP SUBCODE COMPONENT CODE SUBCODE P 15 B 16 ALL VE X 14 X 13 V G E (12) 9 (11) 10 12 13 18 SEQUENTIAL REPORT NO. OCCURRENCE REPORT REVISION EVENT YEAR CODE LER RO 811 0 3 (17) 0 2 1 1 LI REPORT NUMBER 30 31 32 28 COMPONENT NPRD-4 PRIME COMP. ACTION FUTURE METHOD ATTACHMENT SUBMITTED EFFECT ON PLANT HOURS (22) SUPPLIER FORM SUB. MANUFACTURER N 24 B 18 Z 19 Z 20 10 10 10 1123 A125 1UI 17 11 10 LZ (21) C 26 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) #13 Coolant Charging Pump discharge desurger had lost its nitrogen pre-0 charge causing the discharge pressure to cycle violently, repeatedly TII lifting the relief valve and causing internal damage to it. The valve 12 was repaired, the desurger correctly charged and the system was returned 3 to normal. 14 ED 9 FACILITY METHOD OF (30) DISCOVERY DESCRIPTION (32) OTHER STATUS % POWER 10029 E (28) A (31) Operator Observation NA 5 9 10 ACTIVITY CONTENT AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36) RELEASED_OF RELEASE NA 6 NA 11 PERSONNEL EXPOSURES DESCRIPTION (39) NUMBER TYPE 01 01 0 37 Z (38) 7 NA PERSONNEL INJURIES DESCRIPTION (41) NUMBER 0 0 0 0 8 NA 12 11 LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION 19 Z (42) NA 20 PUBLICITY NAC USE ONLY DESCRIPTION (45) ISSUED. LIL 417-92 NA 0 68 69 80 12011 900 A770 /A010

LER NO.	81-21/3L	Rev. 1
DOCKET NO.	50-317	
LICENSE NO. 2'/ENT DATE	DPR-53 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 reseat, 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.