LICENSEE EVENT REPORT CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) 0 1 M D IC IC (2) 0 0 3 4 1 1 1 1 4 0 0 0 0 0 0 0 0 - 1 (5) LICENSEE CODE LICENSE NUMBER CON'T REPORT 0 1 6050003157100282 1 0 2 9 8 2 9 SOURCE (8) 61 DOCKET NUMBER 68 EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) DURING THE PERFORMANCE OF N.I.S. INCORE-EXCORE DETECTOR CALIBRATION SURVEILLANCE TEST, 0 2 THE PROTECTION SET 4 BISTABLES FOR OVERTEMPERATURE DELTA T AND OVERPOWER DELTA T 0 3 THIS CONDITION WAS NON-CONSERVATIVE WITH RESPECT TO TECHNICAL SPECIFICATION TRIPPED. 0 4 3.3.1.1, TABLE 3.3-1 ITEMS 7 & 8. THE PUBLIC HEALTH AND SAFETY WERE NOT AFFECTED. 0 5 PREVIOUS OCCURRENCE OF A SIMILAR NATURE INCLUDE: 0 6 315/81-037. 0 7 0 8 SYSTEM CAUSE CAUSE COMP VALVE CODE CODE SUBCODE COMPONENT CODE SUBCODE SUBCODE 0 9 A E (11 (12 G (13) N RU (14 XI ZI (16) 18 19 SEQUENTIAL OCCURRENCE REFORT REVISION EVENT YEAR LER RO REPORT NO. CODE TYPE NO. (17 REPORT 8 2 191 0 2 0 13 L 0 NUMBER 28 30 31 SHUTDOWN METHOD ACTION ACTION EFFECT ON PLANT ATTACHMENT SUBMITTED NPRD-4 PRIME COMP. COMPONENT TAKEN (22) HOURS FORM SUB SUPPLIER MANUFACTURER A Z (20 Z (21) (13) Z 19 0 0 0 10 Y 23 (24) N (25) W 1 2 0 (26) 40 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) INVESTIGATION REVEALED THAT THE ISOLATION AMPLIFIER THAT FEEDS THE UPPER ION CHAMBER 10 NUCLEAR FLUX SIGNAL TO THE DELTA T-T AVG PROTECTION SET 4 WAS EXTREMELY SENSITIVE TO THE ISOLATION AMPLIFIER, VIBRATION. MANUFACTURED BY WESTINGHOUSE ELECTRIC CORP., 1 WAS REPLACED. THE CHANNEL 4 POWER RANGE DRAWER WAS VERIFIED TO BE OPERATING COR-1 4 RECTLY AND RETURNED TO SERVICE. (SEE ATTACHED SUPPLEMENT) 9 8 80 FACILITY METHOD OF DISCOVERY (30)% POWER OTHER STATUS DISCOVERY DESCRIPTION (32) B (28) 0 4 8 (29) B (31) NA OPERATOR OBSERVATION 44 45 ACTIVITY CONTENT 80 OF RELEASE AMOUNT OF ACTIVITY (35 RELEASED LOCATION OF RELEASE (36) 6 Z (33) Z (34) NA NA 80 PERSONNEL EXPOSURES NUMBER DESCRIPTION (39) TYPE 0 | (38 NA PERSONNEL INJURIES 80 DESCRIPTION (41) NUMBER 0 0 40 NA LOSS OF OR DAMAGE TO FACILITY 80 (43) DESCRIPTION YPE Z (42 1 9 NA 211060063 821029 DR ADOCK 05000315 PUBLICITY 80 PDR DESCRIPTION (45) NRC USE ONLY SSUED N (44 NA PDR 10 68 69 80.5 R. A. PALMER 616-465-5901 6PO NAME OF PREPARER _ PHONE.

ATTACHEMENT TO LER# 82-092/03L-0

SUPPLEMENT TO CAUSE DESCRIPTION

INVESTIGATION REVEALED THAT THE ISOLATION AMPLIFIER THAT FEEDS THE UPPER ION CHAMBER NUCLEAR FLUX SIGNAL TO THE DELTA T/TAVG PROTEC-TION SET 4 WAS EXTREMELY SENSITIVE TO VIBRATION. MOVING THE CHANNEL 4 POWER RANGE DRAWER RESULTED IN THE LOSS OF SIGNAL FROM THE ISOLA-TION AMPLIFIER TO THE SETPOINT GENERATOR. THE LOSS OF SIGNAL CAUSED THE BISTABLES TO TRIP WHICH RESULTED IN A CONSERVATIVE CONDITION. THE ISOLATION AMPLIFIER, MANUFACTURED BY WESTINGHOUSE ELECTRIC COR-PORATION, WAS REPLACED. THE CHANNEL 4 POWER RANGE DRAWER WAS VERIFIED TO BE OPERATING CORRECTLY AND RETURNED TO SERVICE.