LICENSEE EVENT REPORT CONTROL BLOCK: 10 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) 2 (2) - 0 0 0 0 0 - 0 0 3 4 1 MIDCC 0101 11 11 (4) 011 LICENSEE CODE LICENSE NUMBER LICENSE CON'T REPORT 0 1 SOURCE 69 DOCKET NUMBER 68 61 EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) WHILE PERFORMING THE B AND C LEAK RATE TESTS, SEVERAL VALVES EXHIBITED EXCESSIVE 0 2 LEAKAGE CAUSING THE TOTAL LEAK RATE TO EXCEED THE LIMIT IMPOSED BY TECHNICAL 0 3 THE PUBLIC HEALTH AND SAFETY WERE NOT AFFECTED. PREVIOUS SPECIFICATION 3.6.1.2.b. 0 4 OCCURRENCES OF A SIMILAR NATURE INCLUDE: 50-315/82-058, 81-11, 25, 79-34, 78-37, 0 5 77-11, 76-23; 50-316/81-18, 79-20, 53. 0 6 0 7 0 8 8 9 SYSTEM CAUSE CAUSE COMP VALVE CODE COMPONENT CODE CODE SUBCODE SUBCODE SUBCODE IB (13) X (15 SIDIGI E (12) VI AIL IE D 1 (16 IV X 0 9 (14) 18 19 SEQUENTIAL OCCURRENCE REVISION REFORT EVENT YEAR REPORT NO. CODE LER RO TYPE NO 8 (17) 13 1 013 REPORT 0 1 1 6 ILI 101 NUMBER 32 27 31 28 30 ACTION FUTURE EFFECT SHUTDOWN ATTACHMENT NPRD-4 PRIME COMP. COMPONENT HOURS (22) ON PLANT SUBMITTED FORM SUB SUPPLIER MANUFATURER LY M 101812 Y (24) A (13) Z (19 Z 11 Z (21 10 10 10 10 123 A (25) 41 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) B AND C LEAK RATE 'ESTING IDENTIFIED SEVERAL VALVES AS HAVING EXCESSIVE LEAK RATES. 1 0 THESE EXCESSIVE LEAK RATES WERE ATTRIBUTED TO A COMBINATION OF DIRT AND SCALE DEPOSITS I ON THE SEATING SURFACES AND EROSION OF THE VALVE SEATS. THE VALVES WERE REPAIRED BY A COMBINATION OF CLEANING AND LAPPING THE SEATING SURFACES AND REPLACEMENT OF VARIOUS (SEE ATTACHED SUPPLEMENT) VALVE COMPONENTS. 1 4 8 9 80 FACILITY METHOD OF (30) DISCOVERY DESCRIPTION (32) * POWER OTHER STATUS DISCOVERY H (28) 10 10 10 (29 NA SURVEILLANCE TEST B (31) 15 9 10 ACTIVITY CONTENT 44 45 13 46 80 AMOUNT OF ACTIVITY (35 LOCATION OF RELEASE (36) RELEASED OF RELEASE Z 33 Z 34 NA NA 6 10 80 44 PERSONNEL EXPOSURES DESCRIPTION (39 NUMBER TYPE Z 38 010103 NA 7 PERSONNEL INJURIES 80 DESCRIPTION (41) NUMBER 01010 (40) NA 80 9 8302180238 830211 LOSS OF OR DAMAGE TO FACILITY PDR ADOCK 05000316 (43) DESCRIPTION TYPE S PDR Z (42) NA 80 PUBLICITY NRC USE ONLY N 44 DESCRIPTION 45 7-92 1 0 11111111 NA 10 68 69 80.5 R. A. PALMER 616/465/5901 0 d D PHONE .. NAME OF PREPARER .

ATTACHMENT TO LER# 83-016/03L-0 SUPPLEMENT TO CAUSE DESCRIPTION

B AND C LEAK RATE TESTING IDENTIFIED SEVERAL VALVES AS HAVING EXCESSIVE LEAK RATES. THESE EXCESSIVE LEAK RATES WERE ATTRIBUTED TO A COMBINATION OF DIRT AND SCALE DEPOSITS ON THE SEATING SURFACES AND EROSION OF THE VALVE SEATS. THE VALVES WERE REPAIRED BY A COMBINATION OF CLEANING AND LAPPING THE SEATING SURFACES AND REPLACEMENT OF VARIOUS VALVE COMPONENTS.

DURING PREVIOUS B AND C LEAK RATE TESTS THE NESW VALVES CONSISTANTLY EX-HIBITED EXCESSIVE LEAK RATES. THE NESW VALVES WERE REPLACED DURING THIS REFUELING OUTAGE WITH AN IMPROVED TYPE.

FINAL TEST RESULTS AFTER THE REPAIRS OF NUMEROUS VALVES RESULTED IN AN ACCEPTABLE B AND C LEAK RATE OF 0.19 L_a WHICH IS SIGNIFICANTLY LOWER THAN MAXIMUM ALLOWABLE LIMIT OF 0.6 L_a .