(7 77) LICENSEE EVENT REPORT CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) T M N S 2 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 1 4 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 LICENSEE CODE CON'T REPORT L (6) 0 5 0 0 0 3 3 6 7 1 0 1 9 8 2 6 1 1 1 7 8 2 9 0 1 SOURCE EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) 012] | While at 100% power on 19 October 1982, CEA number 23 dropped fully into the core. This constitutes a CEA misaligned from any other CEA in its group by more than 20 steps 0 3 (T.S. 3.1.3.1.e), and power was reduced to 70% of rated thermal power. Due to CEA 0 4 number 23 being fully inserted, the Azimuthal Power Tilt (To) exceeded 0.02 (T.S. 3.2.4.) 0 5 1a & 3.2.4.6). CEA number 23 again dropped fully into the core on 20 October 1982, and 0 6 a defective power supply was replaced. Similar LER's: 78-10, 78-14, 79-03, 80-13, 0 7 1 80-40. 0 8 80 8 9 COMP SYSTEM CAUSE CAUSE VALVE COMPONENT CODE CODE CODE SUBCODE SUBCODE SUBCODE | B|(11 A (13) T | R | U (14) P1(15) E (12 NISI (16) 18 REVISION REPORT OCCURRENCE SEQUENTIAL REPORT NO. CODE TYPE NO. LER/RO 0 3 0 41 0 REPORT 1 NUMBER 31 32 28 ATTACHMENT NPRD-4 PRIME COMP COMPONENT SHUTDOWN EFFECT ON PLANT FUTURE ACTION HOURS (22) FORMSUB SUPPLIER MANUFACTURER 25 0 4 0 10 N 0 18) CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) The cause of the problem was the failure of the coil power programmer 15VDC power 10 supply. A dip in voltage changed the state of the timer logic, resulting in the de-energization of the upper gripper power switch. On 19 October 1982 the upper gripper power switch was replaced, and on 20 October 1982 the power supply was replaced. 1 4 80 METHOD OF ACILITY (30)(32) DISCOVERY DESCRIPTION OTHER STATUS DISCOVERY POWER Operator Observation 0 (29 NA 01 (28) (31) 5 80 9 10 ACTIVITY CONTENT LOCATION OF RELEASE (36) AMOUNT OF ACTIVITY (35) RELEASED OF RELEASE NA Z (33) Z (34) NA 6 80 44 10 11 PERSONNEL EXPOSURES DESCRIPTION (39) TYPE NUMBER NA 0 0 0 37 Z 38 80 PERSONNEL INJURIES DESCRIPTION (41 NUMBER 0 0 0 0 0 NA 8 80 11 LOSS OF OR DAMAGE TO FACILITY (43) DESCRIPTION NA Z (42) 9 8211290499 821117 80 ADOCK 05000336 PDR NRC USE ONLY PUBLICITY DESCRIPTION (45) PDR SSUED 44 5 NA 1111111 0 68 69 80 . 3 10 PHONE (203) 447-1791 X4418 Robert Borchert NAME OF PREPARER.

ATTACHMENT TO LER 82-041/03L-0 NORTHEAST NUCLEAR ENERGY COMPANY MILLSTONE NUCLEAR POWER STATION - UNIT 2 FACILITY OPERATING LICENSE NUMBER DPR-65 DOCKET NO. 50-336

Cause Description and Corrective Actions

. . . .

On 19 October 1982, CEA number 23 dropped fully into the core at approximately 1511 hours. Power was reduced to 68% of rated thermal power within 1 hour, in accordance to T.S.A.S. 3.1.3.1.e. Due to CEA number 23 being fully inserted the Azimuthal Power Tilt (Tq) exceeded 0.02, reaching a maximum value of 0.114. The Total Planar Radial Peaking Factor (F_{XYT}) and the Total Integrated Radial Peaking Factor (F_{TT}) were within the limits of Specifications 3.2.2 and 3.2.3, and the power tilt was corrected within 2 hours as per T.S.A.S. 3.2.4.a and 3.2.4.b. It was believed that the upper gripper power switch had failed, and the switch was replaced. The CEA was restored to within its alignment requirements at 1632 hours, 1.35 hours after it had dropped in.

Increasing power at a rate of 3% per hour, Unit 2 was operating at 95% of rated thermal power on 20 October 1982 at 1445 hours when CEA number 23 again dropped fully into the core. Power was reduced to < 70% of rated thermal power within 1 hour, and the Azimuthal Power Tilt exceeded 0.02, reaching a maximum value of 0.114. All Technical Specifications as listed in the preceeding paragraph were noted and complied with. A dip in voltage changed the state of the timer logic and de-energized the upper gripper power switch, causing the CEA to drop. The power supply, a Lambda Electronics Model LCD-A-22, was replaced and the CEA was restored to within its alignment requirements at 1617 hours, 1.53 hours after it had dropped in.