17.771 LICENSEE EVENT REPORT (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) CONTROL BLOCK LICENSEE CODE LUG 0 5 0 0 2 4 5 0 0 5 1 5 8 1 8 0 6 1 2 8 1 0 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80 CON'T REFORT 0 1 SOURCE EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) On May 15, 1981 at 1540 hours while performing routine surveillance, Break Detection 0 2 Valve Permissive Functional and Calibration Test, differential pressure switches 03 in the break detection logic system were found to trip outside the required setpoint 0 4 range (T.S. Table 4.2.1). See attachment. 10 5 0 6 07 08 COMP. VALVE CAUSE SYSTEM COMPONENT CODE CODE T R U (14) E (13) SI F (12 F (11 0 9 19 13 13 REVISION OCCURRENCE REFORT SEQUENTIAL NO. CODE TYPE REPORT NO. EVENT YEAR LER/RO 0 013 L 11 01 01 REPORT 30 COMPONENT MANUFACTURER FRIME COMP NPRD-4 FORM SUB SUBMITTED SHUTDOWN SUPPLIER HOURS (22) N (25 B 0 8 0 (26 0 0 0 Y (23) 0 (21) CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) [1] Failure of the switches in question to trip at their desired trip setpoint is attributable to setpoint drift. The switches were adjusted to their required setpoint and 1 1 satisfactorily tested. The surveillance frequency has been temporarily increased to 2 access switch performance. See attachment. 1 3 1 4 80 METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32) OTHER STATUS % POWVER Routine Surveillance B (31) 01 01 0 10 CONTENT 13 LOCATION OF RELEASE (36) ACTIVITY AMOUNT OF ACTIVITY (35 OF RELEAS N/A 80 10 11 PERSONNEL EXPOSURES 4.4 DESCRIPTION (39) NUMBER TYPE N/A 80 PERSONNEL INJURIES DESCRIPTION (41) NUMBER 0 0 0 0 0 N/A 1 8 80 9 11 12 LOSS OF OR DAMAGE TO FACILITY (43) DESCRIPTION TYPE N/A 5 9 Z (42) 80 10 NRC USE ONLY PUBLICITY DESCRIPTION (45) SUED N (44) N/A 210 68 69 106180202 (203) 447-1791

ATTACHMENT TO LER 81-10/3L NORTHEAST NUCLEAR ENERGY COMPANY MILLSTONE NUCLEAR POWER STATICN - UNIT 1 PROVISIONAL LICENSE NUMBER DPR-21 DOCKET NUMBER 50-245

IDENTIFICATION OF OCCURRENCE

Engineered safety feature instrument settings were found to be less conservative than those established by the technical specifications.

CONDITIONS PRIOR TO OCCURRENCE

Prior to the occurrence the unit was in the cold shutdown mode for performance of main turbine repairs.

DESCRIPTION OF OCCURRENCE

On May 15, 1981 at 1540 hours while performing routine surveillance, Break Detection Valve Permissive Functional and Calibration Test, the following switches were found to trip outside their required trip setpoint band:

Switch Nume r	As Found Trip Pressure
2271-261-36B	0.7 psid
2271-261-37B	0.8 psid
2271-261-39B	0.6 psid

These switches are an integral part of the break detection logic system and sense differential pressure across the B reactor recirculation pump. Technical Specification Table 4.2.1 requires that the setpoint of these switches be 2.0 \pm 0.9 psid.

Additionally, two switches in the logic system that sense reactor pressure and one switch that senses jet pump riser differential pressure tripped outside their allowable setpoint bands, but in a conservative direction that posed no safety implications.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE Failure of the switches in question to trip at their desired setpoint is attributable to setpoint drift.

ANALYSIS OF OCC'IRRENCE

The break detection logic system monitors reactor recirculation loop parameters to provide permissive signals for LPCI injection into the intact loop in the event of a loss of coolant accident. In particular, the switches in question sense reactor recirculation pump differential pressure to determine whether the pump is in service. Under certain conditions with the pump out of service, failure of these switches to trip at their desired setpoint may have resulted in injection into the improper loop. This scenario would not result in an unanalyzed condition. Previous analysis has shown that Emergency Core Cooling System capacities are sufficient to provide adequate core cooling in the event of this type of failure.

CORRECTIVE ACTION

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The switches in question were recalibrated to meet their required trip setpoint criteria and were satisfactorily tested. Additionally, these switches will be tested on a monthly basis until it can be determined whether this was an isolated problem or if a trend is developing.

The differential pressure switches in question are Earton Model 288, having a trip setpoint range of 0-60 psid.