

Mr. James P. O'Reilly, Director
 Directorate of Regulatory Operations, Region 1
 U. S. Atomic Energy Commission
 970 Broad Street
 Newark, New Jersey 07102

Pursuant to the requirements of Section 6.6.1 of the Technical Specifications for Facility Operating License No. DPR-26, please be advised that on April 26, 1973, at approximately 8:30 a.m., Number 22 Main Steam Line Isolation Valve failed to close in response to a manual

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signal initiated by the Control Room Operator. The signal was initiated for the purpose of testing valve closure time. At the time of the occurrence, the reactor was shutdown with all control rods inserted. The Reactor Coolant System pressure and temperature were 2235 psig and 525°F, respectively, and the reactor coolant boron concentration was 1790 ppm. With this concentration of boron and all control rods fully inserted, the reactor was subcritical by at least 10 percent delta k/k.

Initial investigation of the occurrence revealed that the air exhaust solenoids (two in parallel) failed to trip open.

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The remaining three Main Steam Line Isolation Valves were also tested and these results were found to be satisfactory. However, it was noted that one of the air exhaust solenoids on both Nos. 23 and 24 Main Steam Line Isolation Valves did not open.

The cause of the above described malfunctions are under investigation. We will advise you of our findings and corrective action taken.

Mr. Elden Brunner of your office was informed on April 27, 1973, by telephone of the above occurrence.

William E. Caldwell, Jr.
 Vice President

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