

SUPPLEMENTAL INFORMATION
FOR
LICENSEE EVENT REPORT 81-31

1. Cause Description and Analysis

On December 1, 1981, at approximately 1700 hours with the unit at hot shutdown conditions, it was determined that the Pressurizer Power Operated Relief Valve (PORV) block valves did not meet their design specifications (G-676258). This determination was made following a November 30, 1981 transient when the block valves failed to close against a range of system pressures (approximately 2200-1750 psig at 485°F). The specifications for the PORV block valves (Velan: 3-GM58SM) require that they close against a design pressure of 2485 psig at a steam flow of 179,000 lbs/hr. The apparent cause of failure has been preliminarily identified as an undersized motor operator (Limitorque: SMB-000-5) which will not develop sufficient torque to shut the block valve. An investigation into this apparent design deficiency is continuing.

This failure of the block valves to close could be a potentially generic problem and is therefore being reported pursuant to Technical Specification 6.9.2.a.9.

2. Corrective Action

The block valves were closed manually at 1542 hours on November 30, 1981. A new procedure, Standing Order 17, has been initiated which requires that the PORV block valves be closed, the breakers racked out and a shift foreman's clearance taken on the valves when the unit is at power.

3. Corrective Action To Prevent Recurrence

Investigation as to the cause of failure is continuing by the licensee and vendors and will be reported as a supplement to this report upon completion. Additionally, whatever corrective action necessary to assure the pressurizer PORV block valves are operable will be taken during the next refueling outage pending procurement of materials.