

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
POWER OPERATED RELIEF VALVES DO NOT MEET FREQUENCY REQUIREMENTS
NCR MEB 79-17
10 CFR 50.55(e)
FINAL REPORT

Description of Condition

During valve operability tests, it was found that power operated relief valves (tag no. 3IA88RG) manufactured by Fisher Controls do not meet the 33 Hz minimum natural vibration frequency requirements. There are four of these valves in each unit, two on the pressurizer and two in the Chemical and Volume Control System.

Safety Implications

It is necessary for these valves to meet the frequency requirement in order to validate the piping seismic analysis. Thus, had this condition gone uncorrected, a seismic event could have adversely affected these valves or their associated piping, jeopardizing the safe operation of the plant.

Corrective Action

Westinghouse has advised TVA that they plan to replace the valve bonnets with stiffer and heavier bonnets in order to increase the natural frequency of the valves above the 33 Hz natural frequency requirement. The resulting increase in weight along with a decrease in the center of gravity will not have a significant effect on the present analysis of the connecting piping. The modification of the valves is scheduled to be completed by November 1979.

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