

Yankee Atomic Electric Company
Yankee-Rowe
LER 50-29/78-28/03L

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES:

During surveillance testing, while performing OP-4502, ("Determination of the Steam Generator Safety Valve Setpoints Using the Crosby Test Device"), two of the twelve main steam safety valves were found to have low setpoints. Safety valve MS-SV-409B was found to have a setpoint of 955.3 psi and safety valve MS-SV-409A had a setpoint of 905.3 psi. Technical Specifications 4.7.2.2, Table 4.7-1 require a setpoint of $985 \pm 3\%$ and $935 \pm 3\%$ respectively. This is the first reportable occurrence of this nature associated with the main steam safety valves. Since the setpoints of the valves were found to be in the conservative direction there was no potential adverse effects upon the health and safety of the public or plant personnel. There was also two other safety valves, set at other lifting pressures, available on each of the main steam lines.

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

The root cause of the problem was attributed to normal setpoint drift caused by changes in the valve's spring strength. Safety valve 409B is a Size $2\frac{1}{2}$ K2.6, type HD36, Style HC65 valve manufactured by Crosby Valve and Gage Company. Safety valve 409H is a size $7\frac{1}{2}$ K6, Type BD33, Style HC65 valve manufactured by Crosby Valve and Gage Company. The lifting setpoint was adjusted and will be retested prior to power operation.

PLANT OPERATIONS REVIEW COMMITTEE RECOMMENDATIONS

The PORC reviewed this occurrence at Meeting No. 78-65 held on November 17, 1978, and concurred with the actions taken and recommended, without further recommendations.