NRC FORM 36 A10101 # 2412 11 21 20101 # 401012 (7.77) . LICENSEE EVENT REPORT CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) (1)0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 -M A Y K R 1 200 0 1 LICENSE NUMBER LICENSE TYPE LICENSEE CODE CON'T LG0151010101219 01101211788 REPORT 1 1 2 0 7 8 9 0 1 SOURCE DOCKET NUMBER EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) [0 2] [During testing, while performing OP-4502 (Determination of the Steam Generator [0]3] [Safety Valve Setpoints Using the Crosby Test Device) two safety valves had low Isetpoints. Technical Specifications section 4.7.1.1 Table 4.7-1 require a setpoint 0 4 of 985 and 934 1 3% and the valves were found to have a setpoint of 955.3 and 905.3 0 5 (respectively. This is the first occurrence of this nature. There are two redundant 0 6 I valves for each affected steam line. There were no adverse effects upon the public 0 7 | health and safety. 00 80 SYSTEM CAUSE CAUSE COMP VALVE SUBCODE COMPONENT CODE CODE SUBCODE F (15) CC B (13) A L V E X (14) J (16) 0 9 (11 E (12 V 19 12 OCCURRENCE REVISION SEQUENTIAL REPORT CODE EVENT YEAR REPORT NO TYPE NO LER RO IL. 01 (17)REPORT 8 0 2 8 0 3 7 NUMBER 32 23 30 COMPONENT SHUTDOWN ATTACHMENT NPRD-4 ACTION FUTURE EFFECT ON PLANT PRIME COMP. HOURS (22) SUPPLIER N 23 LN 24 IA 18) Z (19 Z (21) 01 71 110 Ζ 01 01 О (25 C (26) 41 42 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) The root cause of this occurrence is setpoint drift due to spring characteristic 10 [1] I changes. The safety valves are Size 2 1/2 K2.6, Type HD 36 Style HC65 and Size [1] [7 1/2 K6, Type BD33, Style HC 65 manufactured by Crosby Valve and Gage Company. The [1] 3] | valve was readjusted and will be retested prior to startup. 1 4 METHOD OF FACILITY (30)DISCOVERY DESCRIPTION (32) % POWER OTHER STATUS B (31) Surveillance Test G (28) 0 0 0 For Refueling (29)1 CONTENT 80 ACTIVITY LOCATION OF RELEASE (36) AMOUNT OF ACTIVITY (35) RELEASED OF RELEASE N/A Z 33 Z 34 N/A 1 6 PERSONNEL EXPOSURES 44 80 DESCRIPTION (39) NUMBER N/A 0 0 0 (37) Z (38) 1 7 80 PERSONNEL INJURIES DESCRIPTION (41) NUMBER N/A 1 8 0 0 0 (40) 11 12 80 LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION N/A Z (42) 1 9 80 PUBLICITY NRC USE ONLY DESCRIPTION (45) ISSUED (44) N N/A 20 Cal 140 68 69 80 1

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 2¹/₂ K2.6, type HD36, Style HC65 valve manufactured by Crosby Valve and Gage Company. Safety valve 409H is a size 7¹/₂ 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.