

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

08 | _____ 80

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

A horizontal number line with a starting point labeled '1' and an ending point labeled '4'. The line is divided into three equal segments by two tick marks. Below the line, the numbers 1, 2, 3, and 4 are written under the respective tick marks.

8 9 10
PUBLICITY
ISSUED DESCRIPTION (45) NA 7911050282
2 0 N 44
NRC USE ONLY

PHONE: 309-654-2241 Ext. 180

- I. LER NUMBER: LER/RO 79-28/03L-0
- II. LICENSEE NAME: Commonwealth Edison Company
Quad-Cities Nuclear Power Station
- III. FACILITY NAME: Unit One
- IV. DOCKET NUMBER: 050-254
- V. EVENT DESCRIPTION: On September 24, 1979, while performing routine monthly surveillance procedure QOS 1100-1, Standby Liquid Control (SBLC) Demineralized Water Recycle Test, relief valve RV-1-1105A failed to operate within Technical Specification 4.4.A.2 limits of 1400 to 1490 psig. The valve operated below 1275 psig. The "A" subsystem was declared inoperable since the required 1275 psig discharge pressure could not be achieved. The remaining components in the "A" subsystem were operable. The "B" subsystem was immediately checked and found to be fully operable. There have been several occurrences of this nature. The most recent was reported on February 27, 1978 as Reportable Occurrence Report LER/RO 78-08/03L-0.
- VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE: The safety implications of this occurrence were minimal. Only one subsystem is needed to pump the required volume of sodium pentaborate into the reactor. The "B" subsystem, which was determined to be fully operable, would have been able to do this. No other standby liquid control system components were observed to have failed.
- VII. CAUSE: The ~~proximate~~ cause of this occurrence is equipment failure. Setpoint drift on RV-1-1105A was the cause of the improper operation of the relief valve. The valves are 1½ inch pressure relief type valves manufactured by the Crosby Ashton Gage Company.
- VIII. CORRECTIVE ACTION: The immediate corrective action taken was to write work request QOI128 to reset RV-1-1105A. The valve was replaced with a spare relief valve to facilitate maintenance and to return the "A" subsystem to service on September 24, 1979. On the same date, the subsystem was tested to verify that it was operational.

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