



LER SUPPLEMENTAL INFORMATION

SQRO-50-327/82116

Technical Specification Involved: 3.4.1.4

Reported Under Technical Specification: 6.9.1.13.b

Date of Occurrence: 09/16/82 Time of Occurrence: 0941 CST

Identification and Description of Occurrence:

During modifications to train "b" of the SSPS, the power fuses to the output relay were pulled to facilitate work. This caused the train "b" RHR suction valve FCV-74-2 to close rendering the RHR system inoperable. The unit entered action statement (b) of LCO 3.4.1.4.

Conditions Prior to Occurrence:

Unit 1 in mode 5 (0% power, 0 psig, 134 degrees F).

Apparent Cause of Occurrence:

When the 120VAC power supply fuses were pulled to facilitate modifications on the output relays, this deenergized the separation relay to valve FCV-74-2 allowing it to go closed and rendering the RHR system inoperable. The cause of the event was a defective procedure in that the W supplied procedure for the modifications work did not adequately address the effects of pulling the power fuses to the SSPS output relays.

Analysis of Occurrence:

A review of the drawings of the SSPS wiring schematics revealed that the 120VAC power supply to the output relays in the SSPS also supplied power to a separation relay to valve FCV-74-2. When energized, this separation relay circuit is activated by the RCS pressure being less than a setpoint for PS-68-66 which allows the valve to be opened. When the separation relay was deenergized, the valve automatically closed.

Corrective Action:

Immediate operator action was initiated upon the closing of the RHR suction valve. The RHR pump was shut off and the valve switched to auxiliary power and opened. With flow reestablished, the pump was restarted and the system returned to normal at 0947 CST on 09/16/82.

A change was made to the workplan covering the SSPS modifications to inform operators that removal of the power fuses isolates the associated train of RHR suction. For future work, caution signs at the fuses will be placed in the SSPS cabinets to prevent recurrence.

Failure Data:

None.