TUNU FURMI 300 (7.77) LICENSEE EVENT REPORT CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) 3 4 1 1 1 1 1 4 26 LICENSE TYPE 30 57 D 1 2 0 0 0 - 0 0 0 - 0 0 0 0 CON'T L 6 0 5 0 0 0 2 5 4 7 1 2 1 6 7 8 3 0 1 1 7 7 9 9 REPORT 0 1 SOURCE EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) During an auto isolation of the Reactor Building Ventilation System, inlet isolation 0 2 dampers 1-5741 A & B failed to close. Damper 1-5741A solenoid was tapped and the 03 damper closed, thus providing inlet isolation. The consequences of this occurrence 0 4 were minimized by the fan discharge louvers closing and preventing reverse air 0 5 This, in conjunction with the starting of the Standby Gas Trains, prevented flow. 0 6 any leakage of the reactor building atmosphere to the environs. 0 7 0 8 9 COMP VALVE SYSTEM CAUSE CAUSE COMPONENT CODE SUBCODE CODE CODE SUBCODE (12 (16) 0 9 REVISION SEQUENTIAL OCCURRENCE REPORT REPORT NO. CODE TYPE NO. EVENT YEAR LER/RO 13 0 (17) REPORT 8 13 0 NUMBER PRIME COMP COMPONENT NPRD-4 EFFECT ON PLANT ATTACHMENT SUBMITTED SHUTDOWN METHOD ACTION FUTURE TAKEN ACTION HOURS (22) FORM SUB SUPPLIER 18 G 19 (25) 0 0 0 Y (23) Y (24) N Z (20) (21) 0 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27 The pilot solenoid on the air operator of each damper valve had stuck and failed to 110 supply the appropriate air signal needed to close the valve. The defective solenoid 1 1 valves were replaced and procedure changes have been initiated to check that the 2 dampers close during surveillance testing. 1 4 80 9 METHOD OF DISCOVERY FACILITY (30) DISCOVERY DESCRIPTION (32) OTHERS ATUS % POWER (28) 0 16 14 NA A Operational Event 1E (31) 80 10 ACTIVITY CONTENT LOCATION OF RELEASE (36) AMOUNT OF ACTIVITY (35) RELEASED OF RELEASE NA 33 Z 34 NA 6 45 80 40 PERSONNEL EXPOSURES DESCRIPTION (39) NUMBER TYPE 37 Z 38 0 0 0 NA 80 PERSONNEL INJURIES DESCRIPTION (41) NUMBER 0 0 0 40 NA 80 12 11 LOSS OF OR DAMAGE TO FACILITY (43) DESCRIPTION TYPE NA Z (42) 9 80 10 7902080220 NRC USE ONLY PUBLICITY DESCRIPTION (45 (44) N NA 68 69 J. Schnitzmeyer PHONE 309-654-2241, ext. 252 NAME OF PREPARER

- I. LER NUMBER: RO 78-33/03L-0
- 11. LICENSEE NAME: Commonwealth Edison Company Quad-Cities Nuclear Power Station
- III. FACILITY NAME: Unit One
 - IV. DOCKET NUMBER: 050-254
 - V. EVENT DESCRIPTION:

On December 19, 1978, gases created by repetitive backwashing the Unit Two Cleanup Demineralizers, caused the Reactor Building Ventilation System to auto isolate. During this isolation it was discovered that the inlet isolation dampers 1-5741 A & B failed to close. The reactor building supply and exhaust fans tripped and the outlet isolation dampers 1-5742 A & B did close as designed. The solenoid for inlet damper 1-5741A was tarped, and the damper shut, thus providing isolation on the innet vent duct.

VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

The consequences of this occurrence were minimal because each fan has louvers which close with the tripping of the fan, thus preventing any reverse air flow. Subsequently, even though inlet dampers 1-5741 A & B failed to close there was redundancy in these louvers. This, in conjunction with the auto starting of the standby gas trains, allowed no leakage of the reactor building atmosphere to the environs.

VII. CAUSE:

The cause of this occurrence is attributed to equipment failure. The pilot solenoid on the air operator of each damper valve had failed to supply the appropriate air signal to close the valve. An inspection of the pilot valves revealed that an accumulation of dirt in the casing had caused the piston, which controls air flow, to stick. The pilot valves are made by the Versa Company and are model number VGS-4522.

VIII. CORRECTIVE ACTION:

The defective solenoid pilot valves were replaced and the dampers operated properly. Procedure changes have been initiated to verify that the dampers close during the Standby Gas Auto Initiation and Reactor Building Ventilation Auto Isolation Surveillance Test (QOS 7500-4) which is performed once per operating cycle. Also a procedure change has been initicted to the Rx Vent Isolation/Fuel Pool Radiation Monitor Outage Report (QOS 1700-01) to verify proper damper operability.

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