



POWER AUTHORITY OF THE STATE OF NEW YORK  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

DOCKET NO. 50-333

ATTACHMENT TO LER 79-006/03X-1

Page 1 of 3

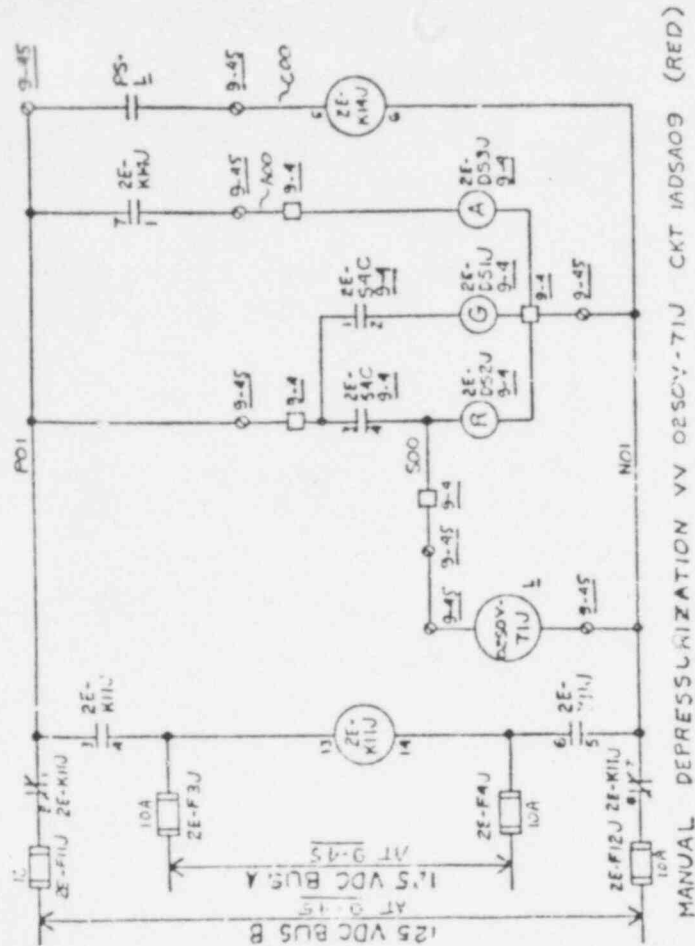
During normal operation, Operations personnel noted a ground fault on 125 VDC station battery "A". Investigation traced the ground to the bellows failure pressure switch circuit on safety/relief valve 02-RV-71J.

The ground was cleared by removing the fuses for the air operator and bellows failure pressure switch. This action required that the valve be declared inoperable which is permitted by specification 3.6.E.2.a. The valve was restored to a fully operable status on February 8, 1979 (fifteen days after the event) by installing a temporary isolated 125 VDC power supply to the bellows failure pressure switch (See Figures 1 and 2) and replacing the fuses that were initially removed to clear the ground. The circuits were checked for operability (to the extent possible from outside of primary containment) with satisfactory results and valve 02-RV-71J was declared fully operable. Since the remaining 10 valves were fully operable the event did not represent any significant hazard to the public health and safety.

Following the plant shutdown for seismic reanalysis the pressure switch was replaced with a new switch and the 125 VDC power system was restored to its design configuration as shown on Figure 1. The new pressure switch was calibrated and verified operable by satisfactory completion of Instrument Surveillance Procedure F-ISP-42 titled "ADS Relief Valve Bellows Pressure Switch."

NOTE: Revision 1 of this LER is submitted to inform the Commission of the completion of the work and the restoration of the associated 125 VDC circuits to normal. In addition, Items 11 through 19, 25 and 26 of the report are revised.

349336



## NOTES

1. APPLICABLE LOGIC DIAG (GE DWG. 730E/M9EA)
2. ALL EQUIP. LOCATED IN GE RELAY CABINET 9-45 UNLESS OTHERWISE NOTED.
3. PRESSURE SWITCHES PS-1B CLOSE ON PRESSURE INCREASE AT VALVE BELLOW.
4. —□— TERMINAL IN GE RELAY CABINET.
5. —○— TERMINAL IN GE RELAY CABINET.
6. REFER TO GE ELEM. DIAG. 791E453 FOR RELAY AND CONTROL SWITCH CONTACT DEVELOPMENT.

FIGURE 1: EXISTING ELEMENTARY DIAGRAM FOR  
MANUAL VALVE OPERATION AND BELLOW FAILURE  
PRESSURE SWITCH

SYSTEM: 02

ELEM DIAG - 125 VDC CKTS - SOV  
A.D.S. DEPRESS. VV'S 02SOV-71H & J  
JAMES A. FITZPATRICK NUCLEAR PWR. ST.  
POWER AUTHORITY OF THE STATE OF NY  
STORE & WESTERN ENGINEERING CORPORATION  
11825-ESK-IIAAD

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VERY POOR  
ORIGINAL

VERY POOR ORIGINAL

