

(11-1)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

0	1
2	8

REPORT SOURCE

L	6	0	5	0	0	0	3	2	7	7	0	7	1	9	8	1	8	0	8	1	2	8	1	9
60	61	DOCKET NUMBER					68	69	EVENT DATE					74	75	REPORT DATE					80			

1 At 1016(c) on 7/21/81 with Unit 1 in Mode 3 (544 F & 2235 psig), the Unit Operator

08 | \_\_\_\_\_ 80

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 4  
1 6 9 80

7 8 9 10  
PUBLICITY  
ISSUED DESCRIPTION (45)  
2 0 [N] (44) NA  
8108200189 810812  
PDR ADOCK 05000327  
S PDR  
NRC USE ONLY  
80

Phone: (615) 842-8317

LER SUPPLEMENTAL INFORMATION

SQRO-50-327/81089

At 1016 CDT on 7/21/81 with Unit 1 in Mode 3 (544°F & 2235 psig), the Unit Operator observed that rod position indication for shutdown rods G13 and B13 indicated that they were fully inserted although the rods had been fully withdrawn. After verifying that no dropped rod alarm had been received, the operator tripped the shutdown banks to comply with the action statement of LCO 3.1.3.3.

During maintenance on a signal conditioning module in the system, an extender board had been positioned at an angle which caused the +13VDC supply to short to ground. This resulted in the loss of regulation on the +26VDC main supply as well as the loss of the +13VDC alternate supply.

When the indicators fell to zero due to the associated operational amplifiers being supplied by the +13VDC, the fault was diagnosed and the system was declared inoperable and the power supply fuses were pulled to prevent further damage to the equipment.

Subsequent investigation determined that an alignment spacer normally installed in one pin of the module connector had been pulled out when the module had been removed. In addition, the module's side guides were also discovered to be loose. These two factors contributed to the electrical short which caused the event.

The signal conditioning module's side guides were tightened to prevent a recurrence of the short, the main and auxiliary power supplies were replaced, and the rod position indication system was declared operable at 1838 CDT.