

[illegible]

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ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 1

DOCKET NO: 50-280

REPORT NO: 82-079/03L-0

EVENT DATE: 07-01-82

TITLE OF THE EVENT: Rod Control System Malfunction

1. EVENT DESCRIPTION:

While performing Periodic Test 6, Control Rod Assembly Partial Movement, an urgent failure alarm occurred and the control rods from cabinet 2AC would not respond to a demand signal. This event is contrary to Technical Specification 3.12.C.2 and is a degraded mode of operation permitted by Technical Specification 3.12.C.2 for a period not to exceed two hours. This event is reportable pursuant to Technical Specification 6.6.2.b(2).

2. PROBABLE CONSEQUENCES and STATUS of REDUNDANT EQUIPMENT:

The control rods must be capable of being inserted to fulfill part of the shutdown margin requirements. At all times during this event, all control rods were capable of being tripped and the controlling bank "D" remained operable.

Boron is also used for reactivity control, and numerous ways of injecting boron into the core were available throughout the event.

The Control Rods were returned to service within the limits prescribed by Technical Specification 3.0.1.

The health and safety of the public were not affected.

3. CAUSE:

The cause of this event was a faulty phase control circuit card in the 2AC power cabinet.

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action was to initiate A.P.1.1 and to begin repairs to the power cabinet.

5. SUBSEQUENT CORRECTIVE ACTION:

The faulty card was identified and replaced.

6. ACTIONS TAKEN TO PREVENT RECURRENCE:

This is considered a random event, therefore no further action is required.

7. GENERIC IMPLICATIONS:

A comparison of this card failure and the card failure reported in LER 82-034/03L-0 Unit II was made and the failures were determined to be different in nature.