

Surry Power Station, Unit No. 1
Docket No: 50-280
Report No: 78-048/03L-0
Event Date: 12-09-78

Title of Report: Dropped Control Rods

1. Description of Event:

With the unit critical and steady at hot standby, two control rod assemblies, F-10 and K-10, dropped during rod control system trouble shooting. This is contrary to Technical Specification 3.12.C.2, and is reportable per Technical Specification 6.6.2.b.(2).

2. Probable Consequences and Status of Redundant Systems:

The reactor and turbine were manually tripped. Because the proper corrective action was taken, the health and safety of the general public were not affected.

3. Cause:

The two control rod assemblies dropped during the investigation of a Rod Urgent Failure Alarm.

4. Immediate Corrective Action:

The reactor and turbine were immediately tripped.

5. Subsequent Corrective Action:

Further investigation discovered a faulty phase control circuit card in the rod control power cabinet. The card was replaced.

6. Action Taken to Prevent Recurrence:

No further corrective action will be required to prevent recurrence. This is considered a random event.

7. Generic Implications:

None.