

ATTACHMENT 1
SURRY POWER STATION, UNIT
DOCKET NO: 50-280
REPORT NO: 80-049/03L-0
EVENT DATE: 7-22-80

TITLE OF REPORT: HEAT TRACING FAILURE

1. Description of Event:

With Unit #1 at 100 percent power PT-27D revealed that the amp readings for circuit 13A (Boron Injection Recirculation to the Boric Acid Tanks) Panels 8 & 9 were below the Acceptance Criteria Stipulated in the PT. Repair of the defective circuit was initiated immediately. This event is a degraded mode of operation as specified in T.S.3.3.B.10 and is reportable in accordance with T.S.6.6.2.b(2)

2. Probable Consequences & Status of Redundant Systems:

Recirculation flow from the Boron Injection Tank was verified. Tech. Spec. 3.3.B.10 permits operation with the recirculation between a Unit's Boron Injection Tank and it's Boric Acid Storage Tank to be inoperable for a period not to exceed two hours. The heat tracing circuit was returned to service in one hour and ten minutes therefore, the health and safety of the public were not affected.

3. Cause:

The Heat Tracing Tape failed due to excessive heat.

4. Immediate Corrective Action:

The immediate corrective action was to replace the defective Heat Tracing Tape, and verify the operability of the affected Heat Tracing Circuit.

5. Subsequent Corrective Action:

A Design Change has been initiated to change the Heat Tracing Circuit 13A to prevent over heating.

6. Action Taken to Prevent Recurrence:

No additional actions were deemed necessary.

7. Generic Implications:

A task force has been established to study the total spectrum of the heat tracing system in an attempt to discern present problems and recommend solutions which will eliminate sporadic failures experienced.