

ATTACHMENT 1
SURRY POWER STATION, UNIT 1
DOCKET NO: 50-280
REPORT NO: 81-064/03L-0
EVENT DATE: 10-20-81

TITLE OF THE EVENT: HEAT TRACING FAILURE

1. DESCRIPTION OF EVENT:

With Unit No.1 at 100% power, PT-27 revealed that the amp readings for heat tracing Panels 8 & 9, circuits 13A (Boron Injection Tank Recirculation to Boric Acid Storage Tanks) were below the acceptance criteria stipulated in the P.T. This event is contrary to Technical Specification 3.2.C.5, and is reportable per Technical Specification 6.6.2.b(2).

2. PROBABLE CONSEQUENCES and STATUS of REDUNDANT EQUIPMENT:

The heat tracing circuits are intended to maintain a fluid temperature above that needed for flow. The Boron Injection Tank Recirculation Path was verified in accordance with P.T. 18.4; therefore, the health and safety of the public were not affected.

3. CAUSE:

The loss of heat tracing was due to excessive heat.

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action was to verify the Boron Injection Tank Recirculation Path and initiate replacement of the defective tape.

5. SUBSEQUENT CORRECTIVE ACTION:

The defective heat tracing tape was replaced and tested within the time span specified by Technical Specifications.

6. ACTION TAKEN TO PREVENT RECURRENCE:

No additional actions were deemed necessary.

7. GENERIC IMPLICATIONS:

A task force has reviewed the total spectrum of the Heat Tracing System and a Design Change is being prepared. The Engineering Review and Final Design have been approved by the Safety Committee and Material Procurement is in progress.