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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)[illegible]CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

Initiated to remove the ground fault circuitry.

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ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 1

DOCKET NO: 50-280

REPORT NO: 83-056/03L-0

EVENT DATE: 12-01-83

TITLE OF THE EVENT: HEAT TRACING BREAKERS TRIPPED

1. Description of the Event

On 12-01-83, with the unit at full power, it was discovered that the feeder breakers for heat tracing panels 2A1 and 2B2 were tripped. On 12-02-83, a routine operations walkdown disclosed that the 2A1 feeder breaker had again tripped. This is contrary to T.S.-3.3.B.5 and is reportable per T.S.6.6.2.b.(2).

2. Probable Consequences and Status of Redundant Equipment

The redundant heat tracing panels remained operable during each event, therefore heat was supplied to the boric acid piping and the public's health and safety were unaffected.

3. Cause

The heat tracing panel feeder breakers tripped on ground fault during extensive insulation work on various boric acid lines.

4. Immediate Corrective Action

The redundant heat tracing panels were verified operable. The feeder breakers were reset in each case. Also, blended flow was verified for each unit.

5. Subsequent Corrective Action

Following discussions with the heat tracing manufacturer, an engineering evaluation determined that the ground fault was not needed for this application.

6. Action Taken to Prevent Recurrence

An engineering work request has been initiated that will eliminate the ground fault circuitry for the feeder breakers. This action should prevent such a power loss in the future.

7. Generic Implications

This is a generic problem with both units, however the above actions will eliminate the problem.