

LICENSEE EVENT REPORT

CONTROL BLOCK: [] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | V A S P S | 1 | 0 0 - 0 0 0 0 0 0 - 0 0 | 4 1 1 1 1 | [] [] [] [] (5)

CON'T
0 1 | REPORT SOURCE | L | 0 5 0 0 0 2 8 0 | 1 1 2 7 7 9 | 1 2 2 1 7 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During normal operation, routine surveillance revealed the failure of heat tracing
 0 3 | circuit 2B (Panel 8), Unit #1 suction piping to Boric Acid Transfer Pump, 1-CH-P-2A.
 0 4 | This is a degraded mode of operation permitted by T.S. 3.3.B.5., and is reportable as
 0 5 | per T.S. 6.6.2.b.(2). Since the temperature of the affected lines was maintained as
 0 6 | required, the redundant circuit was operable and two flow paths for boric acid to the
 0 7 | reactor were available, the health and safety of the public were not affected.
 0 8 |

0 9 | SYSTEM CODE | CAUSE CODE | CAUSE SUBCODE | COMPONENT CODE | COMP. SUBCODE | VALVE SUBCODE | LER/RO REPORT NUMBER | EVENT YEAR | SEQUENTIAL REPORT NO. | OCCURRENCE CODE | REPORT TYPE | REVISION NO. | ACTION TAKEN | FUTURE ACTION | EFFECT ON PLANT | SHUTDOWN METHOD | HOURS | ATTACHMENT SUBMITTED | NPRD-4 FORM SUB. | PRIME COMP. SUPPLIER | COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | A review of the heat tracing circuit showed that failure was caused by water damage to
 1 1 | the heat tracing circuit. The corrective action implemented was to replace the heat
 1 2 | tape and initiate a maintenance request to repair the water leak.
 1 3 |
 1 4 |

1 5 | FACILITY STATUS | % POWER | OTHER STATUS | METHOD OF DISCOVERY | DISCOVERY DESCRIPTION | ACTIVITY CONTENT | RELEASED OF RELEASE | AMOUNT OF ACTIVITY | LOCATION OF RELEASE | PERSONNEL EXPOSURES | DESCRIPTION | PERSONNEL INJURIES | DESCRIPTION | LOSS OF OR DAMAGE TO FACILITY | DESCRIPTION | PUBLICITY | ISSUED | DESCRIPTION

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ATTACHMENT, PAGE 1 of 1
SURRY POWER STATION, UNIT NO. 1
DOCKET NO: 50-280
REPORT NO: 79-035/03L-0
EVENT DATE: 11/27/79
TITLE OF REPORT: Low Current on Heat Tracing

1. DESCRIPTION OF EVENT:

With the unit in normal operation at rated power, operator surveillance found that Heat Tracing Circuit 2B (Panel 8) was operating at less than the current specified in the surveillance document. Low temperature alarms were indicated.

Investigation for faulty heat tracing tape was initiated on the affected circuit. Faults were found on Circuit 2B (Panel 8) "2A" Boric Acid Transfer Pump suction and were identified as being the result of water penetration of the tape. The tape was replaced. The circuit current was then verified to be within specs. of the surveillance document, and a maintenance request submitted to repair the leak.

This is a degraded mode of operation permitted by T.S. 3.3.B.5 and is reportable in accordance with Technical Specification 6.6.2.b.(2).

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT SYSTEMS:

At all times during the event, the temperature of the affected lines was maintained as required. The redundant circuit was operable. There were at all times two operable flow paths for boric acid to the reactor. Therefore, the health and safety of the general public were not affected.

3. CAUSE:

The reduced currents were due to water penetration damage to the heat tracing tape on the affected circuit.

4. IMMEDIATE CORRECTIVE ACTION:

The heat tracing tape was replaced. A maintenance request has been initiated to repair the leak.

5. SCHEDULED CORRECTIVE ACTION:

The problem was corrected immediately and no further action is required.

6. ACTION TAKEN TO PREVENT RECURRENCE:

Continuous surveillance is maintained on the Heat Tracing System. No additional action is considered necessary. A task force has been assembled to investigate the replacement of existing tape with water resistant tape. This investigation is in progress.

7. GENERIC IMPLICATIONS:

This failure, as with others in the system, is considered random since no specific circuit has exhibited repeated failure.