NRC FORM 366 (7-77) U. S. NUCLEAR REGULATORY COMMISSION LICENSEE EVENT REPORT CONTROL BLOCK: 10 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) VAS P 0 CON'T REPORT 0 5 0 0 0 2 8 1 7 0 9 2 1 7 8 8 1 0 1 2 7 8 9 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80 0 1 <u>[6]</u> SOURCE DOCKET NUMBER EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) During normal operation, routine test revealed the failure of heat tracing circuit 0 2 6A (Panel 11) Unit #2 manual boration/boric acid-to-blender line. This event is 03 contrary to T.S. 3.2.B.5, and is reportable as per T.S. 6.6.2.b.(2). The health 04 and safety of the general public were not affected. 0 5 0 6 0 7 0 8 q 80 SYSTEM CAUSE CAUSE COMP VALVE SUBCODE CODE SUBCODE COMPONENT CODE SUBCODE CODE | H ΕI A | (13)9 Z (15) Z (16) 13 18 19 SEQUENTIAL OCCURRENCE REVISION REPORT EVENT YEAR REPORT NO. CODE TYPE LER/RO NO. (17) [7 18 REPORT 0 3 2 0 3 L 0 26 NUMBER 22 29 31 32 ACTION FUTURE PRIME COMP. EFFECT ON PLANT SHUTDOWN METHOD ATTACHMENT SUBMITTED COMPONENT NPRD-4 ноияз (22) FORM SUB. SUPPLIER N 24 Y 23 Z (21) Ζ C 2 6 8 26 B (18) Z (19)](20) A (25) 35 36 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) A review of the heat tracing circuit showed that failure was caused by boric acid 110 penetration of the heat tracing tape circuits. The corrective action implemented was 1 1 to replace the heat tracing tape. 1 2 13 1 4 8 9 80 OTHER STATUS METHOD OF DISCOVERY FACILITY % POWER DISCOVERY DESCRIPTION NA B Electrician observation 5 (31) 9 10 ACTIVITY CONTENT 46 80 AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36) RELEASED_OF RELEASE Z (34) NA NA 6 (33) 1Z 10 80 PERSONNEL EXPOSURES DESCRIPTION (39) NUMBER TYPE [37] Z [38] NA n 13 80 PERSONNEL INJURIES DESCRIPTION (41) NA 8 (40) 9 11 12 80 LOSS OF OR DAMAGE TO FACILITY (43) DESCRIPTION TYPE NA Ζ 9 10 80 PUBLICITY NRC USE ONLY DESCRIPTION (45) ISSUED (44 917-92 0 NA 68 69 80 10230262 8 T. L. Baucom (804) 357-3184 NAME OF PREPARER PHONE:.

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Surry Power Station, Unit 2 Docket No: 50-281 Report No: 78-032/03L-0 Event Date: 9/21/78

Heat Tracing Low Current

1. Description of Event:

With the unit in normal operation at rated power, routine surveillance indicated that heat tracing circuit 6A (Panel 11) was operating at less than the current specified in the surveillance document. No low temperature alarm was indicated.

Investigation for faulty heat tracing tape was initiated on the affected circuit. Faults were found on circuit 6A (Panel 11) Unit #2 serving manual boration and boric acid-to-blender bypass lines and were identified as being the result of boric acid attack on tape. The tape was replaced and circuit current verified to within specs of surveillance document.

The event constitutes a condition contrary to Technical Specification 3.2.B.5 and is reportable in accordance with Technical Specification 6.6.2.b.(2).

2. Probable Consequences/Status of Redundant Systems:

At all times during the event, the temperature in the piping served by the affected circuit 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 public were not affected.

3. Cause:

The reduced currents were due to boric acid damage to the heat tracing tape on the affected circuits.

4. Immediate Corrective Action:

The faults detected were repaired.

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 systems as required for unit operation. No additional action is considered necessary.

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Surry Power Station, Unit 2 Docket No: 50-281 Report No: 78-032/03L-0 Event Date: 9/21/78

Heat Tracing Low Circuit (Continued)

7. Generic Implications:

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