

LICENSEE EVENT REPORT

CONTROL BLOCK: [ ] [ ] [ ] [ ] [ ] [ ] (1)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

[0][1] [V][A][S][P][S] [2] [0][0] - [0][0][0][0][0][0] - [0][0] [3][4][1][1][1][1] [4] [ ] [ ] [5]  
7 8 9 14 15 25 26 30 57 58  
 LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

CON'T  
 [0][1] [L] [6][0][5][0][0][0][2][8][1] [7] [1][0][0][5][8][0] [8][1][0][3][1][8][0] [9]  
7 8 60 61 68 69 74 75 80  
 REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

[0][2] | With Unit 2 at 100% power, PT-27B revealed that the amp reading for circuit 6A, |  
 [0][3] | boric acid to blender, Panel 11 was below the Acceptance Criteria stipulated in the |  
 [0][4] | PT. Repair of the defective circuit was initiated immediately. This event is a |  
 [0][5] | degraded mode of operation as specified in T.S.-3.2.D.3 and is reportable in |  
 [0][6] | accordance with T.S-6.6.2.b(2). The redundant heat tape channel was functioning |  
 [0][7] | maintaining solubility of the boric acid, therefore the health and safety of the |  
 [0][8] | public were not affected. |  
7 8 9 80

[0][9] [P][C] [11] [E] [12] [F] [13] [H][E][A][T][E][R] [14] [Z] [15] [Z] [16]  
7 8 9 10 11 12 13 18 19 20  
 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE

[17] [8][0] [ ] [0][2][7] [ ] [0][3] [ ] [ ] [0]  
21 22 23 24 26 27 28 29 30 31 32  
 LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.

[C] [18] [F] [19] [Z] [20] [Z] [21] [0][0][0][0] [ ] [Y] [23] [N] [24] [L] [25] [C][2][6][8] [26]  
33 34 35 36 37 40 41 42 43 44 47  
 ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

[1][0] | The heat tracing tape failed due to excessive heat. A design change has been |  
 [1][1] | initiated to change the manner by which these borated lines are heat traced. The |  
 [1][2] | failed tape was replaced. |  
 [1][3] | |  
 [1][4] | |  
7 8 9 80

[1][5] [E] [28] [1][0][0] [29] NA [30] [B] [31] Routine Testing [32]  
7 8 9 10 12 13 44 45 46 80  
 FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION

[1][6] [Z] [33] [Z] [34] NA [35] NA [36]  
7 8 9 10 11 44 45 80  
 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE

[1][7] [0][0][0] [37] [Z] [38] NA [39]  
7 8 9 11 12 13 80  
 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION

[1][8] [0][0][0] [40] NA [41]  
7 8 9 11 12 80  
 PERSONNEL INJURIES NUMBER DESCRIPTION

[1][9] [Z] [42] NA [43]  
7 8 9 10 80  
 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION

[2][0] [N] [44] NA [45]  
7 8 9 10 80  
 PUBLICITY ISSUED DESCRIPTION

NRC USE ONLY  
 68 69 80

0011040 592

NAME OF PREPARER J. L. Wilson

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ATTACHMENT 1  
SURRY POWER STATION, UNIT 2  
DOCKET NO: 50-281  
REPORT NO: 80-027/03L-0  
EVENT DATE:10-05-80

TITLE OF REPORT: HEAT TRACING FAILURE

1. Description of Event:

With Unit #2 at 100 percent power PT-27B revealed that the amp readings for circuit 6A (boric acid to blender) panel #11 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.3.2.D.3 and is reportable in accordance with T.S.6.6.2.b(2).

2. Probable Consequences & Status of Redundant Systems:

The Heat Tracing is intended to maintain a temperature above that needed for flow. The redundant Heat Tracing Circuit was operable, therefore, the health and safety of the public were not affected.

3. Cause of Occurrence:

The Heat Tracing Tape failed due to excessive heat.

4. Immediate Corrective Action:

The immediate corrective action was to verify that the redundant circuit was operable.

5. Subsequent Corrective Action:

The defective Heat Tracing Circuit was replaced within the time span specified by the 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 as a result of the Task Force Study. Long lead items are being procured.