

# LICENSEE EVENT REPORT

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

01 V A S P S 2 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5  
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33  
LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

CONT  
01 L 6 0 5 0 0 0 2 8 1 7 1 0 1 4 8 2 8 1 1 0 8 8 2 9  
60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | With the unit at 100% power, Heat Tracing Periodic Test 27E revealed that amp  
03 | readings for Panel 11 Circuit 6A, (Manual Borate and Boric Acid to Blender line)  
04 | was below the acceptance criteria stipulated in the P.T. This is contrary to T.S.  
05 | 3.3.A.4 and is reportable in accordance with T.S.6.6.2.b.(2). The redundant heat  
06 | tracing circuit was verified operational, therefore, the health and safety of  
07 | the public were not affected.

08 09  
7 8 9  
SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP SUBCODE VALVE SUBCODE  
S F 11 E 12 A 13 H E A T E R 14 Z 15 Z 16  
9 10 11 12 13 14 15 16 17 18 19 20  
LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.  
17 8 2 0 6 1 0 3 L 0  
21 22 23 24 25 26 27 28 29 30 31 32  
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER  
C 18 F 19 Z 20 Z 21 0 0 0 0 Y 23 N 24 L 25 T 1 8 5 26  
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | The loss of heat tracing was due to excessive heat. The defective heat tracing  
11 | was replaced and tested. A design change has been initiated to change the manner  
12 | by which these borated lines are heat traced.

13 14  
7 8 9

15 16  
7 8 9  
FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION  
E 28 1 0 0 29 N/A B 31 Periodic Test.  
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50  
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE  
Z 33 Z 34 N/A N/A 36

17  
7 8 9  
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION  
0 0 0 37 Z 38 N/A

18  
7 8 9  
PERSONNEL INJURIES NUMBER DESCRIPTION  
0 0 0 40 N/A

19  
7 8 9  
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION  
Z 42 N/A

20  
7 8 9  
PUBLICITY ISSUED DESCRIPTION  
N 44

8211220240 821108  
PDR ADOCK 05000280  
S PDR

NRC USE ONLY

NAME OF PREPARED J. L. Wilson

PHONE (804) 357-3184

ATTACHMENT 1  
SURRY POWER STATION, UNIT NO. 2  
DOCKET NO: 50-281  
REPORT NO: 82-061/03L-0  
EVENT DATE: 10-14-82

TITLE OF THE EVENT: HEAT TRACING FAILURE

1. Description of the Event:

With the Unit at 100% power, Heat Tracing Periodic Test 27 revealed that amp readings for heat tracing Panel 11, Circuit 6A, (Manual Borate and Boric Acid to Blender line) was below the acceptance criteria stipulated in the PT. This event is contrary to T.S.3.3.A.4 and is reportable in accordance with T.S.6.6.2.b.(2).

2. Probable Consequences and Status of Redundant Equipment:

The heat tracing is intended to maintain a temperature above that needed for flow. The redundant heat tracing circuit was verified operational, therefore, the health and safety of the public were not affected.

3. Cause of the Event:

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 has been prepared as a result of the Task Force Study. Installation of this design change has commenced.