

## LICENSEE EVENT REPORT

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

V A S P S 1 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 4 5  
LICENSEE CODE 14 LICENSE NUMBER 25 LICENSE TYPE 30 CAT 58CONT  
REPORT SOURCE L 0 5 0 0 0 2 8 0 7 0 1 1 9 8 2 8 0 2 1 8 8 2 9  
DOCKET NUMBER 56 EVENT DATE 74 REPORT DATE 80

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 With Unit No. 1 steady at 90% power, PT-27C revealed that amp reading for heat  
0 3 tracing panel 9, circuit 20B was below the acceptance criteria stipulated in the  
0 4 PT. This event is contrary to T.S.3.2.C.5 and is reportable per T.S.6.6.2.b(2).  
0 5 The redundant heat tracing circuit was operable, therefore, the health and safety  
0 6 of the public were not affected.

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0 8

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

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The loss of heat tracing was due to excessive heat. The defective heat tracing was  
1 1 replaced and tested. A design change has been initiated to change the manner by  
1 2 which these borated lines are heat traced.

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1 5 FACILITY STATUS E 28 29 % POWER 0 9 0 29 OTHER STATUS N/A 30 METHOD OF DISCOVERY B 31 32 DISCOVERY DESCRIPTION Periodic Test

1 6 ACTIVITY CONTENT Z 33 34 RELEASED OF RELEASE Z 34 35 AMOUNT OF ACTIVITY N/A 36 LOCATION OF RELEASE

1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 38 TYPE Z 38 39 DESCRIPTION N/A

1 8 PERSONNEL INJURIES NUMBER 0 0 0 40 41 DESCRIPTION N/A

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 43 DESCRIPTION N/A

8203080508 820218  
PDR ADOCK 05000280  
S PDR

N/A

NRC USE ONLY

NAME OF PREPARED J. L. Wilson

PHONE (804) 357-3184

ATTACHMENT 1  
SURRY POWER STATION, UNIT NO.1  
DOCKET NO: 50-280  
REPORT NO: 81-007/03L-0  
EVENT DATE: 1-19-82

TITLE OF THE EVENT: HEAT TRACING FAILURE

1. DESCRIPTION OF EVENT:

With Unit No. 1 steady at 90% power, PT-27C revealed that the amp reading for heat tracing panel 9, circuit 20B (#2 Boric Acid Filter Outlet to 'B' Boric Acid Tank) was below the acceptance criteria stipulated in the PT. This event is contrary to Technical Specification 3.2.C.5 and is reportable per Technical Specification 6.6.2.b(2).

2. PROBABLE CONSEQUENCES AND STATUS of REDUNDANT EQUIPMENT:

The heat tracing circuits are intended to maintain a fluid 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:

The loss of heat tracing was 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 tape was replaced and tested within the time span specified by 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.