

LICENSEE EVENT REPORT

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

01 | V | A | S | P | S | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 1 | 5  
9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 31 CAT 36

01 | L | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 8 | 0 | 7 | 0 | 9 | 2 | 7 | 8 | 2 | 8 | 1 | 0 | 2 | 2 | 8 | 2 | 9  
60 REPORT SOURCE 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

012 | With Unit No. 1 at 100% power, testing revealed that amp readings for heat tracing |  
013 | panel 2 circuit 24D was below the acceptance criteria stipulated in PT 27. |  
014 | This event is contrary to T.S.3.2.C.5 and is reportable per T.S.6.6.2.b.(2). The |  
015 | redundant heat tracing circuit was operable, therefore the health and safety of |  
016 | the public were not affected. |  
017 | |  
018 | |

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

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

110 | Visual inspection of the heat tape found no apparent degradation, therefore the |  
111 | exact failure mechanism of the heat tape is not known. The defective heat tracing |  
112 | was replaced and tested. A design change has been initiated to change the manner |  
113 | by which these borated lines are heat traced, |  
114 | |

15 | E | 28 | 1 | 0 | 0 | 29 | N/A | 30 | B | 31 | Routine test | 32  
7 FACILITY STATUS 8 % POWER 9 OTHER STATUS 10 METHOD OF DISCOVERY 11 DISCOVERY DESCRIPTION 12

16 | Z | 33 | Z | 34 | N/A | 35 | N/A | 36  
7 ACTIVITY CONTENT 8 RELEASED OF RELEASE 9 AMOUNT OF ACTIVITY 10 LOCATION OF RELEASE 11

17 | 0 | 0 | 0 | 37 | Z | 38 | N/A | 39  
7 PERSONNEL EXPOSURES 8 NUMBER 9 TYPE 10 DESCRIPTION 11

18 | 0 | 0 | 0 | 40 | N/A | 41  
7 PERSONNEL INJURIES 8 NUMBER 9 DESCRIPTION 10

19 | Z | 42 | N/A | 43  
7 LOSS OF OR DAMAGE TO FACILITY 8 TYPE 9 DESCRIPTION 10

20 | N | 44 | N/A | 45  
7 PUBLICITY 8 ISSUED 9 DESCRIPTION 10

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PDR ADOCK 05000280  
S PDR

NAME OF PREPARED J. L. Wilson

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ATTACHMENT 1  
SURRY POWER STATION, UNIT NO. 1  
DOCKET NO: 50-280  
REPORT NO: 82-103/03L-0  
EVENT DATE: 09-27-82

TITLE OF THE EVENT: Heat Tracing Failure

1. DESCRIPTION OF THE EVENT:

With Unit No. 1 at 100% power, testing revealed that the amp readings for heat tracing panel 2 circuit 24D (Boron Injection Tank Recirc.), was below the acceptance criteria stipulated in PT 27. 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:

Visual inspection of the heat tape found no apparent degradation, therefore the exact failure mechanism which caused the loss of heat tracing is not known.

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.