

LICENSEE EVENT REPORT

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

0 1 | V | A | S | P | S | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5  
8 9 14 15 25 26 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

CONT  
0 1 | L | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 8 | 0 | 7 | 0 | 8 | 3 | 1 | 8 | 2 | 8 | 0 | 19 | 2 | 7 | 8 | 2 | 9  
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 34 35 36 37 38 39 40

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | With Unit No. 1 at 100% power, performance of PT-27E revealed that the amp  
0 3 | reading for heat tracing Panel 9, circuit 2B, was below the acceptance criteria  
0 4 | stipulated in the PT. This event is contrary to T.S.3.2.C.5 and is reportable  
0 5 | per T.S.6.6.2.b(2). The redundant heat tracing circuit was operable, therefore,  
0 6 | the health and safety of the public were not affected.  
0 7 |  
0 8 |

0 9 | SYSTEM CODE: S H 11 | CAUSE CODE: E 12 | CAUSE SUBCODE: A 13 | COMPONENT CODE: H E A T E R 14 | COMP. SUBCODE: Z 15 | VALVE SUBCODE: Z 16  
17 | LER/RC REPORT NUMBER: 8 2 | SEQUENTIAL REPORT NO.: 0 8 3 | OCCURRENCE CODE: 0 3 | REPORT TYPE: L | REVISION NO.: 0  
ACTION TAKEN: C 18 | FUTURE ACTION: F 19 | EFFECT ON PLANT: Z 20 | SHUTDOWN METHOD: Z 21 | HOURS: 0 0 0 0 | ATTACHMENT SUBMITTED: Y 23 | NRPD-4 FORM SUB.: N 24 | PRIME COMP. SUPPLIER: L 25 | COMPONENT MANUFACTURER: T 1 8 5 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The loss of heat tracing was due to excessive heat. The defective heat tracing  
1 1 | was replaced and tested. A design change has been initiated to change the manner  
1 2 | in which these borated lines are heat traced.  
1 3 |  
1 4 |

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

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

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

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

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

2 0 | PUBLICITY ISSUED: N 44 | DESCRIPTION: 8210050074 820927 PDR ADOCK 05000280 S PDR 45 | NRC USE ONLY

ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 1

DOCKET NO: 50-280

REPORT NO: 82-083/03L-0

EVENT DATE: 08-31-82

TITLE OF THE EVENT: Heat Tracing Failure

1. DESCRIPTION OF THE EVENT:

With Unit No. 1 at 100% power, performance of PT-27E revealed that the amp reading for heat tracing panel 9, circuit 2B (Boric Acid Transfer pumps suction header) 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.