

LICENSEE EVENT REPORT

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

01 V A S P S 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 31 CAT 32

CONT

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 With Unit 2 at 100% power, heat tracing circuit 23C on Panel 8 was found to be
03 below the acceptance criteria stipulated in PT 27C. This event is contrary to
04 T.S.3.2.C.5 and is reportable per T.S.6.6.2.b(2). The flow transmitter (a heat
05 producing device) remained operable through the event therefore the health and
06 safety of the public were not affected.

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SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP SUBCODE VALVE SUBCODE
S H 11 E 12 A 13 H E A T E R 14 Z 15 Z 16
9 10 11 12 13 18 19 20
17 LER/RO REPORT NUMBER 18 2 21 0 5 1 24 26 27 0 3 28 29 30 L 31 32 0
33 ACTION TAKEN 34 FUTURE ACTION 35 EFFECT ON PLANT 36 SHUTDOWN METHOD 37 HOURS 38 ATTACHMENT SUBMITTED 39 NPRO-4 FORM SUB. 40 PRIME COMP. SUPPLIER 41 COMPONENT MANUFACTURER
C 18 F 19 Z 20 Z 21 0 0 0 0 0 40 Y 23 N 24 L 25 T 1 8 5 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The cause of the loss of heat tracing is not known. The defective heat tracing
11 was replaced and tested. A design change is being implemented which changes the
12 manner by which these borated lines are heat traced.

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15 FACILITY STATUS 16 % POWER 17 OTHER STATUS 18 METHOD OF DISCOVERY 19 DISCOVERY DESCRIPTION
E 28 1 0 0 29 N/A 30 B 31 Routine Test

16 ACTIVITY CONTENT 17 RELEASED OF RELEASE 18 AMOUNT OF ACTIVITY 19 LOCATION OF RELEASE
Z 33 Z 34 N/A 35 N/A 36

17 PERSONNEL EXPOSURES 18 NUMBER 19 TYPE 20 DESCRIPTION
0 0 0 37 Z 38 N/A 39

18 PERSONNEL INJURIES 19 NUMBER 20 DESCRIPTION
0 0 0 40 N/A 41

19 LOSS OF OR DAMAGE TO FACILITY 20 TYPE 21 DESCRIPTION 22
Z 42 N/A 43

20 PUBLICITY 21 ISSUED DESCRIPTION 22
N 44 N/A 45

NAME OF PREPARED J. L. Wilson

PDR (804) 357-3184

NRC USE ONLY

ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 2

DOCKET NO: 50-281

REPORT NO: 82-051/03L-0

EVENT DATE: 08-16-82

TITLE OF THE EVENT: Heat Tracing Failure

1. DESCRIPTION OF EVENT:

With Unit No. 2 at 100% power, heat tracing circuit 23C on Panel 8 (Boric Acid Flow Transmitter FT-2-113) was found to be below the acceptance criteria stipulated in PT-27C. 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. Boric Acid flow transmitter, FT-2113, is an inductive device that produces heat, thereby maintaining the process fluid temp. above that needed for flow. The failed heat tracing provides backup heating to the heat producing flow transmitter. The flow transmitter remained operable throughout this event, therefore the health and safety of the public were not affected.

3. CAUSE:

The cause of the loss of heat tracing is not known.

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action was to initiate repairs.

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.