

LICENSEE EVENT REPORT

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

V A S P S 2 2 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 57 CAT 58

REPORT SOURCE L 6 0 5 0 0 0 2 8 1 7 0 1 0 5 8 1 8 0 1 3 0 8 1 9
60 61 DOCKET NUMBER 63 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

With Unit No.2 at 100% power, PT-27A revealed that amp readings for Panel 10 circuit 1A & 1B and Panel 11 circuit 4A, were below the acceptance criteria stipulated in the PT. This event is contrary to T.S.3.3.A.4 and is reportable per T.S.6.6.2.b.(2). The redundant heat tracing circuits were operable, therefore, the health and safety of the public were not affected.

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
9 10 11 12 13 18 19 20
17 LER/RO REPORT NUMBER 8 1 23 SEQUENTIAL REPORT NO. 0 0 2 27 OCCURRENCE CODE 0 3 30 REPORT TYPE I 31 REVISION NO. 0 32
21 22 23 24 26 27 28 29 30 31 32
ACTION TAKEN C 18 FUTURE ACTION F 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 22 ATTACHMENT SUBMITTED Y 23 NPRD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER A 25 COMPONENT MANUFACTURER T 1 8 5 26
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

The loss of heat tracing was due to open heating elements. There were no indications of physical damage.

The defective heat tracing was replaced and tested. A design change has been initiated to change the manner by which these borated lines are heat traced.

9 FACILITY STATUS E 28 % POWER 1 0 0 29 OTHER STATUS N/A 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION Periodic Test. 32
9 10 12 13 44 45 46 80
ACTIVITY CONTENT E 33 RELEASED OF RELEASE Z 34 AMOUNT OF ACTIVITY N/A 35 LOCATION OF RELEASE N/A 36
9 10 11 12 13 44 45 80
PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION N/A 39
9 11 12 13 80
PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION N/A 41
9 11 12 80
LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION N/A 43
9 10 80

9 PUBLICITY ISSUED N 44 DESCRIPTION N/A 45

NRC USE ONLY

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ATTACHMENT 1
SURRY POWER STATION, UNIT NO. 2
DOCKET NO: 50-281
REPORT NO: 81-002/03L-0
EVENT DATE: 01-05-81

TITLE OF EVENT: HEAT TRACING FAILURE

1. DESCRIPTION OF EVENT:

With Unit No. 2 at 100% power, PT-27A revealed that the amp readings for Panel 10 circuit 1A and 1B and Panel 11 circuit 4A (BIT outlet, MOV-2867D and BIT Recirc. return respectively) were below the acceptance criteria stipulated in the PT. This event is contrary to Technical Specification 3.3.A.4, 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 circuits were operable, therefore, the health and safety of the public were not affected.

3. CAUSE:

The loss of heat tracing was due to open heating elements. There were no indications of physical damage to the heat tape.

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action was to verify that the redundant circuits were operable.

5. SUBSEQUENT CORRECTIVE ACTION:

The defective heat tracing tape was replaced and tested within the time span specified by Technical Specification.

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 is being prepared as a result of the Task Force Study. Long lead items are being procured.