

LICENSEE EVENT REPORT

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

0 1 | V | A | S | P | S | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 4 | 1 | 1 | 1 | 1 | 4 | 5
9 | 14 | 15 | 25 | 26 | 30 | 37 | 38

0 1 | L | 0 | 5 | 0 | 0 | 0 | 2 | 8 | 1 | 0 | 7 | 0 | 5 | 8 | 1 | 0 | 7 | 2 | 9 | 8 | 1 | 9
80 | 81 | 86 | 89 | 74 | 75 | 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | With Unit 2 at 100% power, PT-27A revealed that amp readings for heat tracing
0 3 | panel 10, circuits 2A and 4A and panel 11, circuits 1A and 1B were below the
0 4 | acceptance criteria stipulated in the PT. This event is contrary to Technical
0 5 | Specification 3.3.A.4 and is reportable per Tech. Spec. 6.6.2. b (2). The redundant
0 6 | heat tracing circuits were operable; therefore, the health and safety of the public
0 7 | were not affected.

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 | LERIRO REPORT NUMBER: 8 1 | EVENT YEAR: 8 1 | SEQUENTIAL REPORT NO.: 0 4 4 | 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 | ATTACHMENT SUBMITTED: Y 23 | NRC-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 heating of the tape. The defective
1 1 | heat tracing was replaced and tested. A design change has been initiated to change
1 2 | the manner by which these borated lines are heat traced.

1 5 | FACILITY STATUS: E 28 | % POWER: 1 0 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 40 | DESCRIPTION: N/A 41
1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE: Z 42 | DESCRIPTION: N/A 43
2 0 | PUBLICITY ISSUED DESCRIPTION: N 44 | N/A 45

ATTACHMENT 1
SURRY POWER STATION, UNIT NO. 2
DOCKET NO: 50-281
REPORT NO: 81-044/03L-0
EVENT DATE: 07-05-81

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 heat tracing panel 10, circuits 2A (BIT inlet) and 4A (BIT recirculation return) and Panel 11, circuits 1A (BIT outlet) and 1B (BIT outlet) 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 excessive heating of the 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 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 is being prepared as a result of the Task Force Study. Long lead items are being procured.