

LICENSEE EVENT REPORT

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

013 VASPS200-00000-0034111145
LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

011 L605000281705118380527839
REPORT SOURCE 50 61 DOCKET NUMBER 66 68 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

012 With Unit No.2 at 100% power, PT 27B revealed that the amp reading for heat tracing
013 Panel 9 Circuit 2bA was below the acceptance criteria stipulated in the PT. This
014 event is contrary to T.S.3.2.B.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.

019 PC11 E12 D13 HEATER14 Z15 Z16
SYSTEM CODE 9 10 CAUSE CODE 11 12 CAUSE SUBCODE 12 13 COMPONENT CODE 13 18 COMP. SUBCODE 19 20 VALVE SUBCODE 20 21
17 83 023 03 L 0
LER/RO REPORT NUMBER 21 22 EVENT YEAR 23 24 SEQUENTIAL REPORT NO. 25 26 OCCURRENCE CODE 27 29 REPORT TYPE 30 31 REVISION NO. 32
A18F19 Z20 Z21 0000 Y23 Y24 L25 T18526
ACTION TAKEN 33 34 FUTURE ACTION 35 36 EFFECT ON PLANT 37 38 SHUTDOWN METHOD 39 40 HOURS 41 42 ATTACHMENT SUBMITTED 43 44 NRC FORM 506 45 46 PRIME COMP. SUPPLIER 47 48 COMPONENT MANUFACTURER 49 50

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

110 Boric Acid buildup on the heat tape corroded the terminals, resulting in an open
111 circuit. The defective heat tracing was replaced and tested. A design change has
112 been prepared to change the manner by which these borated lines are heat traced.
113 Installation of this design change has commenced.

115 E28 10029 N/A R31 Periodic Test
FACILITY STATUS 8 9 % POWER 10 12 OTHER STATUS 30 44 METHOD OF DISCOVERY 45 46 DISCOVERY DESCRIPTION 32 48

116 Z33 Z34 N/A N/A N/A
ACTIVITY CONTENT 8 9 RELEASED OF RELEASE 10 11 AMOUNT OF ACTIVITY 35 44 LOCATION OF RELEASE 36 48

117 00037 Z38 N/A
PERSONNEL EXPOSURES 8 9 NUMBER 10 11 TYPE 12 13 DESCRIPTION 39 41

118 00040 N/A
PERSONNEL INJURIES 8 9 NUMBER 10 11 DESCRIPTION 41 43

119 Z42 N/A
LOSS OF OR DAMAGE TO FACILITY 8 9 TYPE 10 11 DESCRIPTION 43 45

120 N44 8306070245 830527
PUBLICITY 8 9 ISSUED 10 11 DESCRIPTION 45 47 PDR ADDOCK 05000281 S PDR

NAME OF PREPARED J. L. Wilson

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NRC USE ONLY

ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 2

DOCKET NO: 50-281

REPORT NO: 83-023/03L-0

EVENT DATE: 05-11-83

TITLE OF THE EVENT: HEAT TRACING FAILURE

1. Description of the Event

With Unit 2 operating at 100% power, performance of Periodic Test 27B revealed that the amp reading for heat tracing panel 9, circuit 28A ("D" Boric Acid Transfer Pump) was below the acceptance criteria stipulated in the PT. This event is contrary to Technical Specification 3.2.B.5 and is reportable in accordance with 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 remained operable. Therefore, the health and safety of the public were not affected.

3. Cause

Boric Acid buildup on the heat tape corroded the terminals, resulting in an open circuit.

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, tested, and returned to operable status within the time span specified in Tech. Specs.

6. Action Taken to Prevent Recurrence

No additional actions were considered 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. The design change has been completed on Unit 1 CVCS. Unit 2 CVCS will be completed during the forthcoming refueling outage.