

LICENSEE EVENT REPORT

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

V A S P S 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
 LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

REPORT SOURCE L 6 0 5 0 0 0 2 8 1 7 0 3 0 8 8 3 8 0 4 0 7 8 3 9
 DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

With the unit at full power on 03-08-83 and again on 03-09-83 it was found during a routine walkdown that the breaker for heat tracing circuit 2 Panel 9 was tripped. This is contrary to T.S.-3.2.B.5 and reportable per T.S.-6.6.2.b(2). The redundant heat tracing was verified operable, therefore, the public's health and safety remained unaffected.

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

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The circuit breaker was tripped because a section of circuit 2 was wired incorrectly. The reason for the incorrect wiring is not known. Part of circuit 2 was recently replaced for Design Change 80-98. The error could have been made during this work, but this cannot be verified. The wiring problem was corrected and the circuit tested satisfactorily.

FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION
 E 28 1 0 0 0 29 N/A B 31 Routine Walkdown
 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE
 Z 33 Z 34 N/A N/A
 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION
 0 0 0 37 Z 38 N/A
 PERSONNEL INJURIES NUMBER DESCRIPTION
 0 0 0 40 N/A
 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION
 Z 42 N/A
 PUBLICITY ISSUED DESCRIPTION
 N 44 N/A
 NRC USE ONLY
 NAME OF PREPARED J. L. Wilson PHONE (804) 357-3184

8304190300 830407
 PDR ADOCK 05000281
 S PDR

ATTACHMENT 1
SURRY POWER STATION, UNIT NO. 2
DOCKET NO: 50-281
REPORT NO: 83-009/03L-0
EVENT DATE: 03-08-83

TITLE OF THE EVENT: HEAT TRACING PANEL 9 CIRCUIT 2

1. Description of the Event

The unit was at full power when it was found during a routine walkdown on 3-8-83 and again on 3-9-83 that the breaker for heat tracing Panel 9 circuit 2 (Boric Acid Storage Tanks to Transfer Header) was opened. This is contrary to T.S.-3.2.B.5 and is reportable per T.S.-6.6.2.b.(2).

2. Probable Consequences and Status of Redundant Equipment

Heat tracing circuits are intended to maintain fluid temperature above that needed for flow. The redundant heat tracing circuit was operable, therefore the health and safety of the public remained unaffected.

3. Cause

The circuit breaker had tripped because a section of circuit 2 was wired incorrectly. The heat tracing circuits were wired such that when the thermostats of the redundant circuits were on at the same time, a short circuit existed between the redundant circuits. It is suspected that the performance of Design Change 80-98, which replaced a portion of the circuit 2 heat tape, resulted in a wiring error. This wiring error did not reveal itself except when both thermostats called for power.

4. Immediate Corrective Action

The redundant heat tracing circuit was verified operable.

5. Subsequent Corrective Action

On 3-8-83 the breaker was closed and the circuit amp readings were found normal. On 3-9-83 the breaker was found tripped and could not be reset. The wiring problem was found during troubleshooting and was corrected.

6. Action Taken to Prevent Recurrence

This appears to be an isolated event, therefore no additional actions are deemed necessary.

7. Generic Implications

None.