

LICENSEE EVENT REPORT

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	V	A	S	P	S	1	2	0	0	-	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5		
7	8	LICENSEE CODE						14	15	LICENSE NUMBER										25	26	LICENSE TYPE					30	57	CAT	58

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REPORT SOURCE L 6 0 5 0 0 0 2 8 0 7 1 1 1 9 7 9 8 1 2 1 1 7 9 9

60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 | During normal operation, routine surveillance revealed the failure of heat tracing

03 | circuit 13A (Panels 8, 9) #1 & #2 Boron Injection Recirc to Boric Acid Tanks. This is

04 | a degraded mode of operation permitted by T.S. 3.3.B.5, and is reportable as per T.S.

[05] 6.6.2.b.(2). The health and safety of the public were not affected.

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SYSTEM CODE		CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE					COMP. SUBCODE	VALVE SUBCODE		
0	9	S H	B	A	H	E	A	T	E	R	Z	Z
9	10	11	12	13	14	15	16	17	18	19	20	

(17) LER/RO REPORT NUMBER 7 9 —

EVENT YEAR 0 3 7 /

SEQUENTIAL REPORT NO. 0 3 —

OCCURRENCE CODE L —

REPORT TYPE 0

REVISION NO.

ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS				ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURE				
A	18	Z	19	Z	20	Z	21	0	0	0	0	22	Y	23	N	24	X	25	T	1	8	1
33		34		35		36		37				40	41		42		43					44

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | A review of the heat tracing circuit showed that failure was caused by excessive heating

of the heat tracing tape. The corrective action implemented was to replace the heat

12 | tracing tape, and to initiate a design change to correct the design deficiency.

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FACILITY STATUS		% POWER			OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION	
1	5	E	1	0	0	NA	B	Electrician observation

ACTIVITY CONTENT
RELEASED OF RELEASE

1 6 Z (33) Z (34) AMOUNT OF ACTIVITY (35) NA

LOCATION OF RELEASE (36) NA

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	(37)	Z	(38)	NA	

		8	9	11			12	13		
		PERSONNEL INJURIES								
		NUMBER				DESCRIPTION (41)				
1	2	0	0	0	0	(40)	NA			

8	9	11	12
LOSS OF OR DAMAGE TO FACILITY	TYPE	DESCRIPTION	(43)

1 9 Z (42) NA

8 9 10

PUBLICITY

(45)

1010110113 NRC USE ONLY

ISSUED		DESCRIPTION		791214044	
2	0	N	44	NA	

NRC USE ONLY

(Attachment, Page 1 of 1)
Surry Power Station, Unit #1
Docket No. 50-280
Report No. 79-037/03L-0
Event Date: 11/19/79

Title of Event: Low Current On Heat Tracing

1. DESCRIPTION OF EVENT:

With the unit in normal operation at rated power, operator surveillance found that Heat Tracing Circuit 13A was operating at less than the current specified in the surveillance document. No low temperature alarms were indicated.

Investigation for faulty heat tracing tape was initiated on the affected circuit. Faults were found on circuit 13A (panels 8, 9) #1 & #2 Boron Injection Recirc to the Boric Acid Tank and were identified as being the result of excessive heat. The tape was replaced and circuit current verified to be within specs of the surveillance document.

This is a degraded mode of operation permitted by T.S. 3.3.B.5. and is reportable in accordance with T.S. 6.6.2.b.(2).

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT SYSTEMS:

At all times during the event, the temperature of the affected line was maintained as required. The redundant circuit was operable. There were at all times two operable flow paths for boric acid to the reactor. Therefore, the health and safety of the public were not affected.

3. CAUSE:

The reduced currents were due to excessive heating of the heat tracing tape through poor circuit design.

4. IMMEDIATE CORRECTIVE ACTION:

The heat tracing tape was replaced.

5. SCHEDULED CORRECTIVE ACTION:

The problem was corrected immediately and a design change has been initiated to correct the design deficiency.

6. ACTION TAKEN TO PREVENT RECURRENCE:

Continuous surveillance is maintained on the Heat Tracing System. No additional action is considered necessary.

7. GENERIC IMPLICATIONS:

This failure, as with others in the system, is considered random since no specific circuit has exhibited repeated failure.