

LICENSEE EVENT REPORT

CONTROL BLOCK:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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

CON'T

0	1	L	6	0	5	0	0	0	2	8	1	7	1	2	0	1	7	8	8	1	2	1	8	7	8	9
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REPORT SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During normal operation, routine surveillance revealed the failure of heat tracing circuit 5A (panel 10) Unit #2 Blender to charging pump suction.

0 3 This is a degraded mode of operation permitted by T. S. 3.3.B.5, and is reportable as per T.S. 6.6.2.b.(2). The health and safety of the public were not affected.

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0 5

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0 8

0	9	S	H	11	E	12	A	13	H	E	A	T	E	R	14	Z	15	Z	16	7	8	23	0	4	1	27	0	3	L	31	0	17	A	18	Z	19	Z	20	Z	21	0	0	0	0	22	Y	23	N	24	A	25	C	2	6	8	26
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SYSTEM CODE 9 10 CAUSE CODE 11 CAUSE SUBCODE 12 COMPONENT CODE 13 COMP. SUBCODE 15 VALVE SUBCODE 16

LER/RO REPORT NUMBER 17 EVENT YEAR 21 22 SEQUENTIAL REPORT NO. 24 26 OCCURRENCE CODE 28 29 REPORT TYPE 30 31 REVISION NO. 32

ACTION TAKEN 33 FUTURE ACTION 34 EFFECT ON PLANT 35 SHUTDOWN METHOD 36 HOURS 37 40 ATTACHMENT SUBMITTED 41 43 NPRD-4 FORM SUB. 42 PRIME COMP. SUPPLIER 43 COMPONENT MANUFACTURER 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 A review of the heat tracing circuit showed that failure was caused by water damage of the Heat Tracing circuit. The corrective action implemented was to replace the Heat Tracing tape.

1 1

1 2

1 3

1 4

1	5	E	28	1	0	0	29	NA	30	B	31	Surveillance Test	32	NA	33	Z	34	NA	35	NA	36	0	0	0	37	Z	38	NA	39	0	0	0	40	NA	41	0	0	0	42	NA	43	Z	44	NA	45	NA	46	NA	47	NA	48	NA	49	NA	50	NA	51	NA	52	NA	53	NA	54	NA	55	NA	56	NA	57	NA	58	NA	59	NA	60	NA	61	NA	62	NA	63	NA	64	NA	65	NA	66	NA	67	NA	68	NA	69	NA	70	NA	71	NA	72	NA	73	NA	74	NA	75	NA	76	NA	77	NA	78	NA	79	NA	80
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FACILITY STATUS 7 8 9 % POWER 10 11 12 OTHER STATUS 13 14 METHOD OF DISCOVERY 15 16 DISCOVERY DESCRIPTION 17 18

ACTIVITY CONTENT 19 20 AMOUNT OF ACTIVITY 21 22 LOCATION OF RELEASE 23 24

PERSONNEL EXPOSURES NUMBER 25 26 TYPE 27 28 DESCRIPTION 29 30

PERSONNEL INJURIES NUMBER 31 32 DESCRIPTION 33 34

LOSS OF OR DAMAGE TO FACILITY TYPE 35 36 DESCRIPTION 37 38

PUBLICITY ISSUED 39 40 DESCRIPTION 41 42

NAME OF PREPARER T. L. Baucom

PHONE: 357-3184

7812270281

NRC USE ONLY

Surry Power Station, Unit #2
Docket No: 50-281
Report No: 78-041/03L-0
Event Date: 12-1-78

Title of Report: 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 5A (panel 10) 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 5A (panel 10) Unit #2 Blender to charging pump suction, and were identified as being the result of water penetration of the tape. 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 Technical Specification 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 water penetration damage to the heat tracing tape on the affected circuit.

4. Immediate Corrective Action:

The heat tracing tape was replaced.

5. Scheduled Corrective Action:

The problem was corrected immediately and no further action is required.

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.