

LICENSEE EVENT REPORT

CONTROL BLOCK

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

1	V	A	S	P	S	1	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4		5			
8	9	LICENSEE CODE					14	15	LICENSE NUMBER										25	26	LICENSE TYPE					30	ST		CAT	58

CONT.

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

012 With Unit No. 1 at 68% power, PT-27 revealed that amp readings for heat tracing
013 panel 8, circuit 2B was below the acceptance criteria stipulated in the PT. This
014 event is contrary to T.S.3.2.C.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.

07

0 2

7 8 9 10 11 12 13 14 15 16

0 9

SYSTEM CODE

S H

CAUSE CODE

E

CAUSE SUBCODE

A

COMP. SUBCODE

Z

VALVE SUBCODE

Z

HEATER

(17) LER/RO REPORT NUMBER [EVENT YEAR] [8][2] [—] [SEQUENTIAL REPORT NO.] [0][1][4] [✓] [OCCURRENCE CODE] [0][3] [RETYPE TYPE] [L] [—] [REVISION NO.] [0]

ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS					ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER				
C	18	F	19	Z	20	Z	21	0	0	0	0	0	Y	23	N	24	L	25	T	1	8	5	26
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

110 The loss of heat tracing was due to excessive heat tape. The defective heat

111 tracing was replaced and tested. A design change has been initiated to change

112 the manner by which these borated lines are heat traced.

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1	2	
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8 9
FACILITY STATUS
1 5 E 28
7 8 9
10 11 12 13
% POWER 0 6 8 29
OTHER STATUS 30 N/A
44
METHOD OF DISCOVERY
45 46
B 31
DISCOVERY DESCRIPTION 32 Periodic Test
47

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

1 6 2 33 2 34 N/A N/A

PERSONNEL EXPOSURES										
NUMBER			TYPE	DESCRIPTION (39)						
1	7	0	0	0	(37)	Z	(38)	N/A		

PERSONNEL INJURIES	DESCRIPTION
NUMBER	

1 3 0 0 40 N/A

1		9		Z		(42)	N/A
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8203080359 820226
PDR ADOCK 05000280
S PDR

NRC USE ONLY

PDR	ADOCK	05000280		N/A	
	PDR				

NAME OF DEFENDANT J. L. Wilson

(804) 357-3184

ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 1

DOCKET NO: 50-280

REPORT NO: 82-014/03L-0

EVENT DATE: 01-27-82

TITLE OF THE EVENT: HEAT TRACING FAILURE

1. DESCRIPTION OF EVENT:

With Unit No.1 at 68% power, PT-27 revealed that the amp readings for heat tracing panel 8 circuits 2B (Boric Acid Transfer Pumps Header and Suction Piping) was below the acceptance criteria stipulated in the PT. This event is contrary to Technical Specification 3.2.C.5 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 circuit was operable, therefore, the health and safety of the public were not affected.

3. CAUSE:

The loss of heat tracing was due to excessive heat.

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 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 has been prepared as a result of the Task Force Study. Installation of this design change has commenced.