

LICENSEE EVENT REPORT

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

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

CONT

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 With Unit 2 at 100% power, performance of PT-27 revealed the amp reading for Panel
03 9, circuit 20C below the acceptance criteria stipulated in the PT. This event is
04 contrary to T.S. 3.3.A.4 and is reportable per T.S. 6.6.2.b(2). Since the
05 redundant heat tracing remained operable, the health and safety of the public was
06 not affected.

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0	9	S	1	11	E	12	A	13	H	E	A	T	E	R	14	Z	15	Z	16
SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE					COMP. SUBCODE		VALVE SUBCODE						

17	8	3	0	0	4	0	3	T	0
LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.

A	18	F	19	Z	20	Z	21	0	0	0	0	Y	23	Y	24	L	25	T	1	8	5	26
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS				ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER				

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The failure of the heat tracing circuit was due to a thermostat which would not
11 close. The faulty thermostat was replaced and the heat tracing circuit was
12 tested and returned to service.

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1	5	E	28	1	0	0	29	N/A	R	31	Periodic Test
FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION			

1	6	Z	33	Z	34	N/A	N/A
ACTIVITY CONTENT RELEASED OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE			

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

1	8	0	0	0	40	N/A
PERSONNEL INJURIES NUMBER		DESCRIPTION				

1	9	Z	42	N/A	
LOSS OF OR DAMAGE TO FACILITY TYPE		DESCRIPTION			

2	0	N	44	8303140543 830225 PDR ADOCK 05000281 S PDR	NRC USE ONLY
PUBLICITY ISSUED DESCRIPTION					

NAME OF PREPARED J. L. Wilson

PHONE (804) 357-3184

ATTACHMENT 1
SURRY POWER STATION, UNIT NO. 2
DOCKET NO: 50-281
REPORT NO: 83-004/03L-0
EVENT DATE: 02-04-83

TITLE OF THE EVENT: HEAT TRACING FAILURE

1. Description of the Event

With Unit 2 at 100% power, performance of PT-27 revealed that the amp reading for heat tracing panel 9, circuit 20C (Boric Acid Filter outlet to "C" Boric Acid Tank) was below the acceptance criteria stipulated in the PT. The event is contrary to Tech. Spec. 3.3.A.4 and is reportable as per Tech. Spec. 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 circuits were operable, therefore, the health and safety of the public would not have been affected.

3. Cause

The failure of the heat tracing circuit was due to a thermostat which would not close.

4. Immediate Corrective Action

The immediate corrective action was to verify that the redundant circuit was operable.

5. Subsequent Corrective Action

The faulty thermostat was replaced. The heat tracing was tested and returned to service within the time span specified in Tech. Spec.

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 the design change has commenced.