

LICENSEE EVENT REPORT

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

01 V A S P S 2 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
7 8 9 14 15 25 26 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

CON'T
01 REPORT SOURCE L 6 0 5 0 0 0 2 8 1 7 0 5 2 3 8 3 8 0 6 2 3 8 3 9
7 8 9 14 15 25 26 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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 With Unit 2 at 100% power, investigation of a Low Temp Heat Tracing alarm revealed
03 that amp reading for heat tracing Panel 8, circuit 23C was below the acceptance
04 criteria stipulated in PT-27C. This event is contrary to T. S. 3.2.B.5 and is
05 reportable per T. S. 6.6.2.b(2). The redundant heat tracing circuit was operable,
06 therefore, the health and safety of the public were not affected.
07
08
09

SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
09 S H 11 E 12 B 13 H E A T E R 14 Z 15 Z 16
7 8 9 14 15 25 26 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

17 LER/RO REPORT NUMBER 8 3 0 2 8 0 3 L 0
21 22 23 24 25 26 27 28 29 30 31 32

ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NRC-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
18 C 19 F 20 Z 21 Z 22 0 0 0 0 23 Y 24 Y 25 L 26 T 1 8 5
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

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The loss of heat tracing was due to excessive heat. The defective heat tracing
11 was replaced and tested. A design change has been prepared to change the manner
12 by which these borated lines are heat traced. Installation of this design change
13 has commenced.
14

FACILITY STATUS N POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION
15 E 16 1 0 0 29 N/A 30 31 Operator Observation 32
7 8 9 14 15 25 26 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

ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE
16 Z 33 Z 34 N/A N/A 35 36
7 8 9 14 15 25 26 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

PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION
17 0 0 0 37 Z 38 N/A
7 8 9 14 15 25 26 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

PERSONNEL INJURIES NUMBER DESCRIPTION
18 0 0 0 40 N/A
7 8 9 14 15 25 26 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

LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION
19 Z 42 N/A
7 8 9 14 15 25 26 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

PUBLICITY ISSUED DESCRIPTION
20 N 44 N/A
7 8 9 14 15 25 26 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

8307120535 830623
PDR ADDCK 05000281
S PDR

NRC USE ONLY
68 69 70 71 72 73 74 75 76 77 78 79 80

NAME OF PREPARED PHONE

Vepco

UNRO REGION II
ATLANTA, GEORGIA

83 JUN 28 AIO: 19

JUN 23 1983

VIRGINIA ELECTRIC AND POWER COMPANY

Surry Power Station
P. O. Box 315
Surry, Virginia 23883

Serial No: 83-046

Docket No: 50-281

License No: DPR-37

Mr. James P. O'Reilly
Regional Administrator
Suite 2900
101 Marietta Street, NW
Atlanta, Georgia 30303

Dear Mr. O'Reilly

Pursuant to Surry Power Station Technical Specifications, the Virginia Electric and Power Company hereby submits the following Licensee Event Report for Surry Unit 2.

Report Number

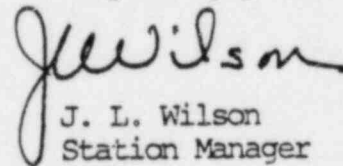
Applicable Technical Specification

83-028/03L-0

T. S. 6.6.2.b(2)

This report has been reviewed by the Station Nuclear Safety and Operating Committee and will be reviewed by Safety Evaluation and Control.

Very truly yours,

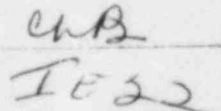

J. L. Wilson
Station Manager

Enclosure

cc: Document Control Desk, USNRC
016 Phillips Bldg.
Washington, D. C. 20555

DESIGNATED ORIGINAL

Certified By


1022

1/1

*. ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 2

DOCKET NO: 50-281

REPORT NO: 83-028/03L-0

EVENT DATE: 05-23-83

TITLE OF THE EVENT: HEAT TRACING FAILURE

1. Description of the Event

With Unit No. 2 operating at 100% power, electricians investigating a Low Amp alarm on heat tracing panel 8 discovered that the amp reading for circuit 23C (Flow Transmitter from #2 Boric Acid Filter to charging pumps) was below the acceptance criteria stipulated in PT-27C. The event is contrary to Technical Specification 3.2.B.5 and is being reported in accordance with 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 heat tracing circuits on the piping on either side of the flow transmitter remained operable. Therefore, the health and safety of the public were not affected.

3. Cause

The loss of heat tracing was caused by excessive heat.

4. Immediate Corrective Action

The immediate corrective action was to verify flow through the flow transmitter.

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. The Design Change has been completed on Unit 1 CVCS. Unit 2 CVCS will be completed during the forthcoming refueling outage.