

# LICENSEE EVENT REPORT

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

0 1 V A S P S 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5

CONT

0 1 L 0 5 0 0 0 2 8 1 7 0 5 2 3 8 3 8 0 6 2 0 8 3 9

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

With Unit 2 at 100% power, PT-27C revealed that the amp reading for heat tracing

Panel 8, Circuit 22A was below the acceptance criteria stipulated in the PT. This

event is contrary to T.S.3.2.B.5 and is reportable per T.S.-6.6.2.b.(2). The

redundant heat tracing circuit was operable, therefore, the health and safety of

the public were not affected.

0 9 S H 11 E 12 D 13 H E A T E R 14 Z 15 Z 16

17 8 3 2 7 0 3 1 0

18 C 18 F 19 Z 20 Z 21 0 0 0 0 Y 24 Y 25 T 1 8 5 25

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

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

was replaced and tested. A design change has been prepared to change the manner

by which these borated lines are heat traced. Installation of this design change

has commenced.

0 5 E 1 0 0 29 N/A 31 Periodic Test 32

0 6 Z 33 Z 34 N/A 35 N/A 36

0 7 0 0 0 37 Z 38 N/A 39

0 8 0 0 0 40 N/A 41 N/A 42

0 9 Z 42 N/A 43 N/A 44 N/A 45

10 N 44 8306300199 830620 PDR ADOCK 05000281 PDR NRC USE ONLY

NAME OF PREPARER J. L. Wilson

PHONE (804) 357-3184

**Vepco** USNRC REGION II  
ATLANTA, GEORGIA

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JUN 20 1983

VIRGINIA ELECTRIC AND POWER COMPANY

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

Serial No: 83-045

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

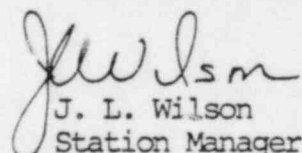
83-027/03L-0

Applicable Technical Specification

T. S. 6.6.2.b(2)

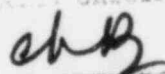
This report has been reviewed by the Station Nuclear Safety and Operating Committee and will be reviewed by Safety Evaluation and Control.

Very truly yours,

  
J. L. Wilson  
Station Manager

Enclosure

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

ORIGINAL  
Certified By 

IE 22

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ATTACHMENT 1  
SURRY POWER STATION, UNIT NO. 2  
DOCKET NO: 50-281  
REPORT NO: 83-027/03L-0  
EVENT DATE: 05-23-83

TITLE OF THE EVENT: HEAT TRACING FAILURE

1. Description of the Event

With Unit 2 operating at 100% power, performance of Periodic Test 27C revealed that the amp reading for heat tracing panel 8, circuit 22A (Unit #2 filter outlet to blender) was below the acceptance criteria specified in the PT. This 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 redundant heat tracing circuit remained operable. Therefore, the health and safety of the public were not affected.

3. Cause

The failure of the heat tracing was caused by 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, tested, and returned to operable status within the time span specified in Tech. Specs.

6. Action Taken to Prevent Recurrence

No additional actions were considered 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.