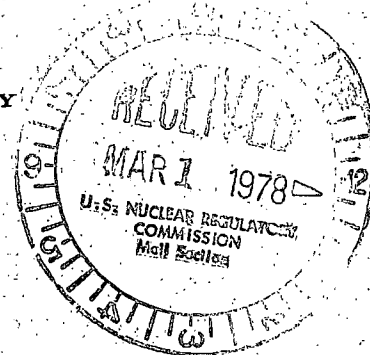


VIRGINIA ELECTRIC AND POWER COMPANY

RICHMOND, VIRGINIA 23261

February 27, 1978



Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region II - Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

Serial No. 101
PO&M/DLB:das
Docket No. 50-281
License No. DPR-37

Dear Mr. O'Reilly:

Pursuant to Surry Power Station Technical Specifications, the Virginia Electric and Power Company hereby submits the following Licensee Event Reports for Surry Unit No. 2.

<u>Report Number</u>	<u>Applicable Technical Specification</u>
LER 006/03-L-0	6.6.2(b)2
LER 007/03-L-0	6.6.2(b)2

These reports have been reviewed by the Station Nuclear Safety and Operating Committee and will be placed on the agenda for the next meeting of the System Nuclear Safety and Operating Committee.

Very truly yours,

C. M. Stallings

C. M. Stallings
Vice President - Power Supply
and Production Operations

Enclosures (3 copies)

cc: Dr. Ernst Volgenau, Director (40 copies)
Office of Inspection and Enforcement

Mr. William G. McDonald, Director (3 copies) ✓
Office of Management Information
and Program Control

78066030

A002
1/1

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 2 3 4 5 6 7 8 9 V A S P S 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T
0 1 REPORT SOURCE L 6 0 5 0 0 0 2 8 1 7 0 1 2 9 7 8 8 0 2 2 1 7 8 9
7 8 9 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 During normal operation, the SOLA Transformer that powers Radiation Cabinet 2-2 failed
0 3 The transformer feed was de-energized and power was temporarily fed to Panel 2-2 from
0 4 Panel 2-1. This event is reportable per Technical Specification 6.6.2.b(2). The
0 5 health and safety of the general public were not affected.
0 6
0 7
0 8

0 9 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
E B 11 E 12 A 13 E L E C O N 14 X 15 Z 16
7 8 9 10 11 12 13 18 19 20
17 LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
7 8 7 8 0 0 6 / 0 3 L 0
21 22 23 24 26 27 28 29 30 31 32
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
A B 18 19 Z 20 Z 21 0 0 0 0 Y 23 Y 24 A 25 S 2 4 5 26
33 34 35 36 37 40 41 47 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 A capacitor ruptured in one of the two SOLA Transformers that power Radiation Monitor
1 1 - Cabinet 2-2. The affected transformer was isolated and normal power was restored
1 2 to Cabinet 2-2 via the parallel 5 KVA Transformer.
1 3
1 4

1 5 FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION
E 28 1 0 0 NA 30 31 Operator's Observation 32
7 8 9 10 12 13 44 45 46 80
1 6 ACTIVITY OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE
Z 33 Z 34 NA 35 NA 36
7 8 9 10 11 44 45 80
1 7 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION
0 0 0 37 Z 38 NA 39
7 8 9 10 11 12 13 80
1 8 PERSONNEL INJURIES NUMBER DESCRIPTION
0 0 0 40 NA 41
7 8 9 10 11 12 80
1 9 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION
Z 42 NA 43
7 8 9 10 80
2 0 PUBLICITY ISSUED DESCRIPTION
N 44 NA 45
7 8 9 10 80

NRC USE ONLY

NAME OF PREPARER T. L. Baucom

PHONE: (804) 357-3184

0 8 9 1 7 0 2 6

LER 78 - 006/03-L-0

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION, UNIT 2
DOCKET NO: 050-0281
EVENT DATE: 1-29-78

During normal operation, smoke was observed coming from one of the two SOLA transformers that supply power to Radiation Monitoring Panel 2-2. The smoke was produced by vaporization of the dielectric fluid that leaked from a ruptured capacitor mounted in the transformer chassis. The power disconnect feeding the transformer group was opened, de-energizing Panel 2-2. Preparations were made to take local samples of Unit 2 air ejector vent and discharge tunnel, which were fed from the inoperable transformer.

The affected transformer was isolated and normal power to Panel 2-2 was restored through the paralleled 5 KVA transformer.

The health and safety of the general public were not affected because provisions had been made to take local samples if conditions required.

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION, UNIT 2
DOCKET NO: 050-0281
EVENT DATE: 1-31-78

During normal plant operation, it was discovered that Boric Acid Transfer Pump 2-CH-P-2D had tripped due to a thermal overload. The breaker was reset and the pump restarted. It was determined that the pump could not have been off for more than thirty minutes. Pump 2D was on recirc. with the Boron Injection tank at the time of the trip.

Approximately two hours later, transfer pump 2-CH-P-2D again tripped on a thermal overload. Recirculation was then shifted to "C" transfer pump. This event is reportable per T.S. 6.6.2.b(2).

A thorough examination was conducted of the pump motor and controller (MR-2801310441) and no mechanical or electrical abnormalities were found. A recording ammeter was installed on the motor and the pump returned to service. No further problems have been observed.

Although no specific causes could be determined for the pump trips, recirculation flow was quickly restored in both cases, and the BIT remained fully ready for use; therefore, the health and safety of the general public were not affected.

U.S. AIR FORCE
DISTRIBUTION SERVICES
BRANCH

978 MAR 9 AM 8 43

RECEIVED DOCUMENT
CONTROL DESK