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VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

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DISTRIBUTION SECTION

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

August 4, 1978
Serial No. 452
PO&M/DLB:das
Docket No. 50-230
License No. DPR-32

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 No. 1.

Report No.	Applicable Technical Specification
LER 78-018/03L-0	TS 6.6.2.b.(2)

This report has 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 (30 copies)
Office of Inspection and Enforcement

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

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LICENSEE EVENT REPORT

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

7 8 9 14 15 25 26 30 57 CAT 58

0 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

LICENSEE CODE LICENSE NUMBER LICENSE TYPE

CON'T

7 8 60 61 68 69 74 75 80

0 1 | L | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 8 | 0 | 7 | 0 | 7 | 0 | 5 | 7 | 8 | 8 | 0 | 8 | 0 | 4 | 7 | 8 | 9

REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During refueling startup, PT-13, test of Main Steam Safety Valve Setpoint indicated

0 3 | two (2) valves were not within plus or minus (3%) three percent of the setpoint as

0 4 | required by the periodic test. The corrective action taken was to reset the valves

0 5 | (SV-MS-101A and SV-MS-105B). This event is considered contrary to Technical Specifi-

0 6 | cation 3.6 and ASME Code and is reportable per Technical Specification 6.6.2.b(2).

0 7 | _____

0 8 | _____

7 8 9

0 9 | C | C | 11 | X | 12 | Z | 13 | V | A | L | V | E | X | 14 | X | 15 | B | 16

SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE

17 | 7 | 8 | | | 0 | 1 | 8 | | | 0 | 3 | | | L | | | 0 |

LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.

E | 18 | E | 19 | Z | 20 | Z | 21 | 0 | 0 | 0 | 0 | 22 | Y | 23 | N | 24 | A | 25 | C | 5 | 6 | 7 | 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)

1 0 | Two (2) consolidated safety relief valves were found to be outside of the three (3%)

1 1 | percent as found tolerance in their pop point. The cause is attributable to normal

1 2 | setpoint drift. The valves were adjusted and retested satisfactorily.

1 3 | _____

1 4 | _____

7 8 9

1 5 | C | 28 | 0 | 0 | 0 | 29 | NA | 30 | B | 31 | Testing Inspection | 32

FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION

1 6 | Z | 33 | Z | 34 | NA | 35 | NA | 36

ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE

1 7 | 0 | 0 | 0 | 37 | Z | 38 | NA | 39

PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION

1 8 | 0 | 0 | 0 | 40 | NA | 41

PERSONNEL INJURIES NUMBER DESCRIPTION

1 9 | Z | 42 | NA | 43

LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION

2 0 | N | 44 | NA | 45

PUBLICITY ISSUED DESCRIPTION

GPO 917-926

Surry Power Station, Unit 1
Docket No: 050-281
Report No: 78-018/01T-0(03L)-0
Event Date: 07-05-78

Title of Report: MS Safety Valve Setpoint Drift

1. Description of Event:

During refueling startup, Periodic Test 13, test of Main Steam Safety Valve setpoint indicated two (2) valves were not within plus or minus three percent ($\pm 3\%$) of the setpoint as required by the periodic test. Safety valve SV-MS-105B drifted in the conservative direction (4.1% below setpoint). Safety valve SV-MS-101B drifted over its setpoint but remained within the setpoint range of other safeties in the system. The event is considered contrary to Technical Specification 3.6 and ASME Code and is reportable per Technical Specification 6.6.2.b.(2).

2. Probable Consequences and Status of Redundant Systems:

The operation of the Main Steam Safety valves is designed for full opening at the setpoint. The combined capacity of the safety valves exceeds the total steam flow corresponding to maximum steady state power operation. Though two of the five safety valves were outside of the plus or minus three percent ($\pm 3\%$) setpoint, at no time were any of the safety valves unable to perform their full intended function. The health and safety of the general public were not affected by this occurrence.

3. Cause:

Setpoint drift is anticipated thus necessitating verification each refueling. Though the safety valves deviated from their setpoints, they maintained the capacity for pressure protection and steam flow relief.

4. Immediated Corrective Action:

The safety valves that were out of specification were immediately reset to within plus or minus one percent ($\pm 1\%$) of their setpoint and retested to confirm proper pop point.

5. Subsequent Corrective Action:

None was required since all valves were capable of being set to "name-plate" pressure.

6. Actions Taken to Prevent Recurrence:

None

7. Generic Implications:

None