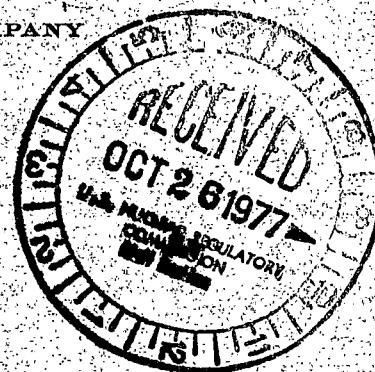


REGULATORY DOCKET FILE COPY

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

October 20, 1977



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. 466
PO&M/TAP:dgt
Docket No. 50-281

License No. DPR-37

Dear Mr. O'Reilly:

Pursuant to Surry Power Station Technical Specification 6.6.2, the Virginia Electric and Power Company hereby submits a copy of Reportable Occurrence No. RO-S2-77-10.

The substance of 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
Vice President-Power Supply
and Production Operations

Enclosures

40 copies RO-S2-77-10

cc: Mr. Robert W. Reid, Chief
Operating Reactors Branch 4

772990032

LICENSEE EVENT REPORT

CONTROL BLOCK:

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(PLEASE PRINT ALL REQUIRED INFORMATION)

01	V A S P S 2	0 0 - 0 0 0 0 0 - 0 0	4 1 1 1 0	0 3			
7 8 9	14	15 25	26 30	31 32			
01	CONT	M I	L	L	0 5 0 - 0 2 8 1	0 9 1 0 7 7	1 0 1 7 7 7
7 8	57 58	59	60	61	68 69	74	75 80

EVENT DESCRIPTION

02	While bringing unit to refueling shutdown, during performance of Safety Injection							80
7 8 9								80
03	System Functional Testing, 3/8-inch trip valves TV-SS-206A and -201B failed to							80
7 8 9								80
04	indicate closed on the control room panel. Subsequent adjustment of the operating							80
7 8 9								80
05	linkage achieved full closure of the valves. This event is reportable per T.S.							80
7 8 9								80
06	6.6.2.b(2) (RO-S2-77-10)							80
7 8 9								80

07	P B	P	V A L V E X	Z	H 2 3 0	N
7 8 9	10	11	12 17	43	44 47	48

CAUSE DESCRIPTION

08	The most probable cause was misadjustment of the stroke linkage and spring setting.							80
7 8 9								80
09	The station has experienced previous occurrences of this type on other valves of the							80
7 8 9								80
10	same type. A study by station engineering and consultation with the (Continued)							80
7 8 9								80

11	D	0 0 0	NA	B	NA
7 8 9	10	12 13	44	45	46

12	Z	Z	NA	NA
7 8 9	10	11	44	45

PERSONNEL EXPOSURES

13	0 0 0	Z	NA
7 8 9	11	12	13

PERSONNEL INJURIES

14	0 0 0	NA
7 8 9	11	12

OFFSITE CONSEQUENCES

15	NA						80
7 8 9							80

LOSS OR DAMAGE TO FACILITY

16	Z	NA
7 8 9	10	

PUBLICITY

17	NA						80
7 8 9							80

ADDITIONAL FACTORS

18	The health and safety of the general public were not affected by this event because							80
7 8 9								80
19	redundant valves were operable.							80
7 8 9								80

NAME: T. L. Baucom PHONE: 357-3184

CAUSE DESCRIPTION (CONTINUED)

manufacturer indicated that adjustment of the spring setting should resolve the problem. Spring adjustments appeared to correct the situation as verified by functional tests following adjustment.

In service these valves have a 3/16 inch stroke and experience internal pressures ranging from zero to full RCS pressure. The adjustments must be extremely precise and one adjustment setting does not appear to satisfy the full range of operating conditions. Adjustments can be made, however, that will make the valves reliable for at-power operation. A further study will be initiated to determine a positive resolution.

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