

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

August 11, 1977



Regulatory

File Copy

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. 338
PO&M/TAP:das
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-S2-77-05.

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

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

Enclosures

40 copies RO-S2-77-05

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

772340069

480 REGION I
ATLANTA, GEORGIA

77 AUG 15 All: 28

LICENSEE EVENT REPORT

CONTROL BLOCK:

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(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME [01] V A S P S [2] 7 8 9 14	LICENSE NUMBER [0][0]-[0][0][0][0][0][0]-[0][0] 15 25	LICENSE TYPE [4][1][1][1][0] 26 30	EVENT TYPE [0][3] 31 32
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CATEGORY [01] CONT 7 8 57 58	REPORT TYPE [L] 59	REPORT SOURCE [L] 60	DOCKET NUMBER [0][5][0]-[0][2][8][1] 61 68	EVENT DATE [0][7][1][8][7][7] 69 74	REPORT DATE [0][8][0][3][7][7] 75 80
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EVENT DESCRIPTION

[02] At Cold Shutdown, in the course of routine testing, Reactor Coolant Flow Comparator
 [03] (FC-2-414) failed to trip. The two redundant systems were operational for the
 [04] required two out of three low flow trip. Previous test was satisfactory. The
 [05] corrective action implemented was to replace the comparator with an operational
 [06] spare. This condition is reportable per Technical Specification 6.6.2b(2).

(RO-S2-77-5)

SYSTEM CODE [I][A] 7 8 9 10	CAUSE CODE [E] 11	COMPONENT CODE [I][N][S][T][R][U] 12 17	PRIME COMPONENT SUPPLIER [N] 43	COMPONENT MANUFACTURER [H][0][2][0] 44 47	VIOLATION [N] 48
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CAUSE DESCRIPTION

[08] A Westinghouse Hagan Single Signal Comparator Model 4111082-001 failed to trip due to
 [09] capacitor leakage. Since these capacitors have an expected life of 10 to 20 years,
 [10] and this failed capacitor has been in use for approximately nine years, the (Cont'd)

FACILITY STATUS [G] 7 8 9	% POWER [0][0][0] 10 12 13	OTHER STATUS [N/A] 14	METHOD OF DISCOVERY [B] 44 45	DISCOVERY DESCRIPTION [PT-2.2 - Reactor Coolant Flow] 46
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FORM OF ACTIVITY RELEASED [Z] 7 8 9	CONTENT OF RELEASE [Z] 10	AMOUNT OF ACTIVITY [N/A] 11	LOCATION OF RELEASE [N/A] 44 45
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PERSONNEL EXPOSURES

NUMBER [0][0][0] 7 8 9	TYPE [Z] 11	DESCRIPTION [N/A] 12 13
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PERSONNEL INJURIES

NUMBER [0][0][0] 7 8 9	DESCRIPTION [N/A] 11 12
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OFFSITE CONSEQUENCES

[15] [N/A]

LOSS OR DAMAGE TO FACILITY

TYPE [Z] 7 8 9	DESCRIPTION [N/A] 10
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PUBLICITY

[17] [N/A]

ADDITIONAL FACTORS

[18] The health and safety of the public were not affected because the two operational

[13] redundant comparators would have initiated the required low flow trip, in that (Cont'd.)

NAME: J. L. Rawson

PHONE: 804-357-3184

CAUSE DESCRIPTION (CONTINUED)

probable cause was aging. As per a Westinghouse Technical Bulletin (NSD-TB-75-14) dated October 21, 1975, these capacitors have no specific problem of a generic nature. However, Westinghouse does recommend that these leaking capacitors be replaced with a premium grade or Tantalum capacitor, presently available, on an as-failed basis, instead of a general capacitor replacement program. This criteria is presently observed at Surry. The present rate of capacitor failure is very low and any increase in this rate will require a re-evaluation of our capacitor change-out policy.

ADDITIONAL FACTORS (CONTINUED)

particular loop.

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