Regulatory File Cy.

VIRGINIA ELECTRIC AND POWER COMPANY

RICHMOND, VIRGINIA 23261

February 16, 1977

Mr. Norman C. Moseley, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region II - Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

Serial No. 061
PO&M/TAP:dgt

Docket No. 50-281
License No. DPR-37

Dear Mr. Moseley:

Purusant to Surry Power Station Technical Specification 6.6.2, the Virginia Electric and Power Company hereby submits a copy of Reportable Occurrence No. RO-S2-77-01.

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-S2-77-01

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

1775

LICENSEE EVENT REPORT

CONTROL BLOCK: [ ] (1–6)

(PLEASE PRINT ALL REQUIRED INFORMATION)

	LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01	VASPS2	00-00000-00	4 1 1 1 0	0 3
	(7–8, 9–14)	(15–25)	(26–30)	(31–32)

	CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01 CON'T	P 0	L	L	0 5 0 – 0 2 8 1	0 1 1 8 7 7	
	(57–58)	(59)	(60)	(61–68)	(69–74)	(75–80)

EVENT DESCRIPTION

02 During normal operation a check of the Boron Injection Tank recirculation flow indi-
03 cated that recirculation flow from "B" Boric Acid Tank had ceased. This flow had
04 been found to be normal four hours earlier during the routine logging procedure.
05 This is contrary to Technical Specification 3.2.b.6 which provides for continuous
06 recirculation. The Operations Staff lined the Boron Injection Tank up to (continued)

	SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
07	S H	E	M E C F U N	N	G 2 0 0	Y
	(9–10)	(11)	(12–17)	(43)	(44–47)	(48)

CAUSE DESCRIPTION

08 The coupling between the motor and pump on Boric Acid transfer pump (1-CH-P-2D) was
09 broken. This coupling was repaired and the pump was tested satisfactorily. The
10 coupling failure was due to the vibration existing in the coupling which (continued)

	FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
11	E	0 7 4	Z	B	NA
	(9)	(10–12)	(13–44)	(45)	(46–80)

	FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
12	Z	Z	NA	NA
	(9)	(10)	(11–44)	(45–80)

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION
13	0 0 0	Z	NA
	(9–11)	(12)	(13–80)

PERSONNEL INJURIES

	NUMBER	DESCRIPTION
14	0 0 0	NA
	(9–11)	(12–80)

OFFSITE CONSEQUENCES

15 NA

LOSS OR DAMAGE TO FACILITY

	TYPE	DESCRIPTION
16	Z	NA
	(9)	(10–80)

PUBLICITY

17 NA

ADDITIONAL FACTORS

18 The capabilities of the Safety Injection System were not impaired by the event, since
19 the Boron Injection Tank maintained its full capabilities. Therefore, the (Continued)

NAME: Tyndall L. Baucom PHONE: (804) 357-3184

GPO 881-667

EVENT DESCRIPTION (CONTINUED)

receive recirculation flow from "C" Boric Acid Tank and thereby restored the required flow. A Maintenance Order (S2-14130) was initiated on the "B" recirculation system.

This event is reportable per Technical Specification 6.6.2.b (1) (RO-S2-77-01)

CAUSE DESCRIPTION (CONTINUED)

was caused by alignment deviations. Since the failure was due to an alignment problem rather than a generic deficiency, no further corrective action is anticipated for the three similar pumps in the boric acid transfer system. In addition, corrective action is not considered necessary due to the frequency of logging of recirculation flow, the availability of a standby pump, and the temperature behavior of the Boron Injection Tank during this occurrence.

ADDITIONAL FACTORS (CONTINUED)

health and safety of the general public were not affected.

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RICHMOND, VIRGINIA 23261

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LICENSEE EVENT REPORT

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LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
VASPS 2	00-00000-00	4 1 1 1 0	0 3
(9–14)	(15–25)	(26–30)	(31–32)

CON'T	CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
	P O	L	L	0 5 0 – 0 2 8 1	0 1 1 8 7 7	
	(57–58)	(59)	(60)	(61–68)	(69–74)	(75–80)

EVENT DESCRIPTION

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SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
S H	E	M E C F U N	N	G 2 0 0	Y
(9–10)	(11)	(12–17)	(43)	(44–47)	(48)

CAUSE DESCRIPTION

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FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
E	0 7 4	Z	B	NA
(9)	(10–12)	(13–44)	(45)	(46–80)

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
Z	Z	NA	NA
(9)	(10)	(11–44)	(45–80)

PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION
0 0 0	Z	NA
(9–11)	(12)	(13–60)

PERSONNEL INJURIES

NUMBER	DESCRIPTION
0 0 0	NA
(9–11)	(12–80)

OFFSITE CONSEQUENCES

NA

LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION
Z	NA
(9)	(10–80)

PUBLICITY

NA

ADDITIONAL FACTORS

The capabilities of the Safety Injection System were not impaired by the event, since the Boron Injection Tank maintained its full capabilities. Therefore, the (Continued)

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