

Regulatory

File Cyd

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

February 16, 1977



Mr. Norman G. 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:

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-S2-77-01.

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,

*G. M. Stallings*

G. 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: 

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(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME			LICENSE NUMBER						LICENSE TYPE			EVENT TYPE											
01	V	A	S	P	S	2	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														

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER				EVENT DATE				REPORT DATE											
01	CONT	P	O	L	L	0	5	0	-	0	2	8	1	0	1	1	8	7	7				
7	8	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- | 80

03 | cated that recirculation flow from "B" Boric Acid Tank had ceased. This flow had | 80

04 | been found to be normal four hours earlier during the routine logging procedure. | 80

05 | This is contrary to Technical Specification 3.2.b.6 which provides for continuous | 80

06 | recirculation. The Operations Staff lined the Boron Injection Tank up to (continued) | 80

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	
7	8	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-GH-P-2D) was | 80

09 | broken. This coupling was repaired and the pump was tested satisfactorily. The | 80

10 | coupling failure was due to the vibration existing in the coupling which (continued) | 80

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION						
11	E	Z	R	NA						
7	8	9	10	11	12	13	44	45	46	80

  

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE				
12	Z	Z	NA				
7	8	9	10	11	44	45	80

PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION				
13	0	0	0	Z	NA	
7	8	9	11	12	13	80

PERSONNEL INJURIES

NUMBER	DESCRIPTION				
14	0	0	0	NA	
7	8	9	11	12	80

OFFSITE CONSEQUENCES

15 | NA | 80

LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION			
16	Z	NA		
7	8	9	10	80

PUBLICITY

17 | NA | 80

ADDITIONAL FACTORS

18 | The capabilities of the Safety Injection System were not impaired by the event, since | 80

19 | the Boron Injection Tank maintained its full capabilities. Therefore, the (Continued) | 80

NAME: Tyndall L. Baucom

PHONE: (804) 357-3184

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.

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

February 16, 1977

Mr. Norman G. Moseley, Director  
Office of Inspection and Enforcement  
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Operating Reactors Branch 4

# LICENSEE EVENT REPORT

CONTROL BLOCK: 

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[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME: 

01	V	A	S	P	S	2
----	---	---	---	---	---	---

 LICENSE NUMBER: 

00	-	0	0	0	0	0	0	-	0	0
----	---	---	---	---	---	---	---	---	---	---

 LICENSE TYPE: 

4	1	1	1	0
---	---	---	---	---

 EVENT TYPE: 

0	3
---	---

CATEGORY: 

01	CONT
----	------

 REPORT TYPE: 

P	O
---	---

 REPORT SOURCE: 

L
---

 DOCKET NUMBER: 

0	5	0	-	0	2	8	1
---	---	---	---	---	---	---	---

 EVENT DATE: 

0	1	1	8	7	7
---	---	---	---	---	---

 REPORT DATE: 

--	--	--	--	--	--	--	--	--	--

## 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: 

S	H
---	---

 CAUSE CODE: 

E
---

 COMPONENT CODE: 

M	E	C	F	U	N
---	---	---	---	---	---

 PRIME COMPONENT SUPPLIER: 

N
---

 COMPONENT MANUFACTURER: 

G	2	0	0
---	---	---	---

 VIOLATION: 

Y
---

## CAUSE DESCRIPTION

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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: 

E
---

 % POWER: 

0	7	4
---	---	---

 OTHER STATUS: 

Z
---

 METHOD OF DISCOVERY: 

B
---

 DISCOVERY DESCRIPTION: 

NA
----

FORM OF ACTIVITY RELEASED: 

Z
---

 CONTENT OF RELEASE: 

Z
---

 AMOUNT OF ACTIVITY: 

NA
----

 LOCATION OF RELEASE: 

NA
----

## PERSONNEL EXPOSURES

NUMBER: 

0	0	0
---	---	---

 TYPE: 

Z
---

 DESCRIPTION: 

NA
----

## PERSONNEL INJURIES

NUMBER: 

0	0	0
---	---	---

 DESCRIPTION: 

NA
----

## OFFSITE CONSEQUENCES

15 | NA

## LOSS OR DAMAGE TO FACILITY

TYPE: 

Z
---

 DESCRIPTION: 

NA
----

## 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)

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U.S. AIR  
REGULATORY OPERATIONS  
DIVISION II  
ATLANTA, GA.  
FEB 10 10 00 AM '77