

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

October 30, 1975



**Regulatory Docket File**

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

Serial No. 762  
PO&M/JTB:clw

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

Dear Mr. Moseley:

Pursuant to Surry Power Station Technical Specification 6.6.B.1, the Virginia Electric and Power Company hereby submits forty (40) copies of Abnormal Occurrence Report No. AO-S2-75-19.

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,

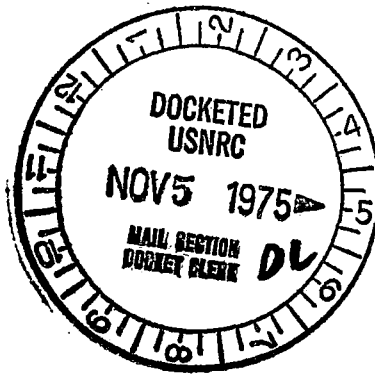
*C. M. Stallings*

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

Enclosures

40 copies of AO-S2-75-19

cc: Mr. Robert W. Reid



12701

LICENSEE EVENT REPORT

AO-S2-75-19

CONTROL BLOCK

Regulatory Docket File

PLEASE PRINT ALL REQUIRED INFORMATION

Control with Date 10-30-75

LICENSEE NAME: 01 V A S P S 2      LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0      LICENSE TYPE: 4 1 1 1 0      EVENT TYPE: 0 1

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

EVENT DESCRIPTION

02 (a) During normal operation of Unit No. 2 at 100 per cent power the "D" boric acid  
03 transfer pump motor failed resulting in loss of recirculation of the No. 2  
04 boron injection tank. An immediate rampdown of 150 MWe/hour was initiated.  
05 (con't)  
06

SYSTEM CODE: S F      CAUSE CODE: E      COMPONENT CODE: M O T O R X      PRIME COMPONENT SUPPLIER: A      COMPONENT MANUFACTURER: W 1 2 0      VIOLATION: Y

CAUSE DESCRIPTION

08 (a) Examination of the defective motor revealed boric acid present in the stator  
09 windings although the present motors are the drip proof type. It is assumed  
10 that the boric acid worked its way into the windings during a recent failure (cont)

FACILITY STATUS: E      % POWER: 1 0 0      OTHER STATUS: N/A      METHOD OF DISCOVERY: A      DISCOVERY DESCRIPTION: N/A

FORM OF ACTIVITY RELEASED: Z      CONTENT OF RELEASE: Z      AMOUNT OF ACTIVITY: N/A      LOCATION OF RELEASE: N/A

PERSONNEL EXPOSURES

NUMBER: 0 0 0      TYPE: Z      DESCRIPTION: N/A

PERSONNEL INJURIES

NUMBER: 0 0 0      DESCRIPTION: N/A

OFFSITE CONSEQUENCES

15 N/A

LOSS OR DAMAGE TO FACILITY

TYPE: Z      DESCRIPTION: N/A

PUBLICITY

17 N/A

ADDITIONAL FACTORS

18 The health and safety of the general public were in no way affected by this occurrence

19 in that the boron injection tank remained full and the capability of the safety (con't)

NAME: E. M. Sweeney, Jr.      PHONE: (804) 357-3184

EVENT DESCRIPTION (con't)

- (b) The "B" boric acid transfer pump was placed in service recirculating the No. 2 boron injection tank minimizing the loss of recirculation to 15 minutes. The tank was then sampled and determined to have the correct boric acid concentration and the unit was returned to 100 per cent power.
- (c) This is a similar occurrence to that reported on May 23, 1974 (AO-S1-74-07).
- (d) The defective motor has been replaced with one of the same type and the pump has been returned to service.

CAUSE DESCRIPTION (con't)

of a mechanical joint in the boric acid system (See AO-S2-75-16).

- (b) Manufacturer's Nameplate Data  
Model #TUDP            Style #6904257
- (c) The licensee intends to replace existing motors with a totally enclosed fan cooled type which would eliminate any possibility of motor failure due to boric acid entering the windings. The orderly replacement of the existing motors will be dependent on the availability of the replacements.

ADDITIONAL FACTORS (con't)

injection system was in no way impaired.