

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

September 15, 1975



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. 689  
PO&M/JTB:clw

Docket No. 50-280  
License No. DPR-32

Dear Mr. Moseley:

Pursuant to Surry Power Station Technical Specification 6.6.B.3, the Virginia Electric and Power Company hereby submits forty (40) copies of Special Report No. SR-S1-75-04.

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

cc: Mr. K. R. Goller  
39 copies SR-S1-75-04

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SPECIAL REPORT

SR-S1-75-04

VENTILATION VENT GASEOUS RELEASE

DOCKET NO. 50-280

LICENSE NO. DPR-32

SEPTEMBER 9, 1975

SURRY POWER STATION

VIRGINIA ELECTRIC AND POWER COMPANY

## I. INTRODUCTION

In accordance with Technical Specification 6.6.B.3 for Surry Power Station, this report describes the release of gaseous wastes in excess of 4 per cent of the Technical Specification limits established by Technical Specification 3.11.B.1.

## II. SUMMARY OF OCCURRENCE

On July 30, 1975, routine sampling of the ventilation vent gaseous activity revealed an Iodine-131 activity of 8.04 per cent of the Technical Specification limit. The high Iodine-131 activity was attributed to Unit No. 1 containment purging operations during several days prior to July 30, 1975. Sampling frequency of ventilation vent gaseous activity was increased to once per day. Following the termination of purging operations, ventilation vent Iodine-131 activity declined to 5.7 per cent of the Technical Specification limit.

On the evening of August 3, 1975, ventilation vent gaseous activity began to rise again, reaching 8.25 per cent of the Technical Specification limit. This increase has been attributed to a leaking fitting on the suction unloader to "B" overhead gas compressor. Following the isolation of the affected gas compressor, ventilation vent Iodine-131 activity declined rapidly, dropping below the 4 per cent level on August 5, 1975. A further description of the compressor fitting leak has been submitted as Abnormal Occurrence Report AO-S1-75-15.

### III. CONCLUSION

The ventilation vent Iodine-131 activity exceeded 4 per cent of the Technical Specification limit on July 30, 1975 due to Unit No. 1 containment purging operations. This limit was again exceeded on August 4, 1975 due to a fitting leak on an overhead gas compressor. Unit No. 1 containment purge has been terminated and the affected compressor has been isolated. Ventilation vent Iodine-131 activity declined below 4 per cent of the Technical Specification limit on August 5, 1975 and has returned to a constant level of 2 to 3 per cent of the limit.