

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

November 26, 1979

Mr. Darrell G. Eisenhut, Acting Director  
Division of Operating Reactors  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Serial No. 965  
PO/RMT:baw  
Docket Nos.: 50-280  
50-281  
License Nos.: DPR-32  
DPR-37

Dear Mr. Eisenhut:

This letter report is furnished in accordance with the provisions of Surry Power Station Technical Specification 4.14.C.1.

During the period from 1330 to 1430 on November 10, 1979, the condenser cooling water outlet temperature exceeded a temperature change rate of 3°F/hr. which is the maximum permitted by Technical Specification 4.14.A.3. Unit 1 was operating at 100% power and Unit 2 was in cold shutdown during the occurrence.

This event occurred when an unusually high sodium content was noted in the condenser. This sometimes indicates a tube rupture. In the process of removing the suspected water box from service to isolate the problem, the temperature rate of change reached 3.4°F/hr. It was later discovered that there were no tube ruptures but rather that a valve misalignment was permitting the fluid containing the sodium to enter this system from another source.

A search conducted to determine if the temperature change had affected the river environment revealed no detrimental evidence.

Very truly yours,

*C. M. Stallings*

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

cc: Mr. James P. O'Reilly

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