

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

November 29, 1978

Mr. Victor Stello, Jr., Director  
Division of Operating Reactors  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Serial No. 672  
PO/LAJ:scj  
Docket Nos: 50-280  
50-281  
License Nos: DPR-32  
DPR-37

Dear Mr. Stello:

COOLING WATER DISCHARGE  
TEMPERATURE CHANGE RATE

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

During the period 1600 to 1630 hours on November 18, 1978, the Condenser Cooling Water Outlet Temperature to the James River decreased by 3.5°F as measured at the station discharge structure. This temperature rate is in excess of the rate of 3°F per hour permitted by Technical Specifications 4.14.A.3. During this period, both units were at a steady power level. The vacuum priming on the Unit No. 1 water boxes was placed in service, causing an increase in cooling water flow through the condensers. Subsequently, the discharge temperature decreased 3.5°F. Evolutions of this nature will be more closely controlled in the future to preclude a recurrence.

A search was made for evidence that the temperature change rate experienced had affected the river or its inhabitants. No evidence of any detrimental affects were found.

Very truly yours,

*C. M. Stallings*

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

cc: Mr. James P. O'Reilly  
Director, Region II

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