VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

January 15, 1979

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. 030
PO/DLB: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 0845 to 0930 hours on December 31, 1978, the Condenser Cooling Water Outlet temperature to the James River increased by 3.5° and then decreased by 3.0°Fas measured at the station discharge structure. This temperature change rate is in excess of the rate of 3°F per hour as permitted by Technical Specification 4.14.A.3. During this period, Unit No. 1 was at cold shutdown while Unit No. 2 was at a steady power level. The intake canal level had been on a downward trend for several hours. The Unit No. 1 operator throttled the discharge valves of the waterboxes to restrict the flow of water out of the intake canal. As the canal level rose, he adjusted the valves in the open direction, to stabilize the canal level. Subsequently, a spike on the temperature recorder was noted, which indicated a rapid increase followed by a less rapid decrease in discharge water temperature.

A memorandum to the Operations Department has been generated which limits the changing of flow rates through the main condensers. This action was taken in an effort to preclude recurrence of this violation.

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,

REGULATORY DOCKET FILE COPY

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

cc: Mr. James P. O'Reilly

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