VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

February 14, 1978

Mr. Edson G. Case
Acting Director of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 019
PO&M/DLB:das
Docket Nos. 50-280
50-281

Attention: Mr. Robert W. Reid, Chief
Operating Reactors Branch 4

License Nos. DPR-32
DPR-37

Dear Mr. Case:

STEAM GENERATOR REPLACEMENT - SURRY POWER STATION
UNIT NOS. 1 AND 2

Due to steam generator tube degradation, the Virginia Electric and Power Company has determined that the replacement of all steam generators for Surry Power Station Unit Nos. 1 and 2 will be necessary. At the time this decision was made, the history of tube failures for both units indicated that an unacceptable unit availability would persist until steam generators could be replaced. Accordingly, preliminary arrangements were made to replace steam generators on both units at the earliest possible date. As explained in our submittal of August 17, 1977 entitled "Steam Generator Program, Surry Power Station, Unit Nos. 1 and 2", the preliminary schedule included the replacement of Unit 1 steam generators during the period of May through October of 1978 and Unit 2 steam generators during the period February through July 1979.

However, components and materials necessary for steam generator replacement are behind schedule and there may be considerable delays in deliveries beyond the originally scheduled dates. If the preliminary schedule for Unit 1 steam generator replacement is maintained and if component or material delivery delays do occur, the outage would extend accordingly. In view of this risk, a new steam generator replacement schedule has become necessary. The new schedule would include the replacement of Unit 2 steam generators during the period October 1978 to May 1979 and Unit 1 steam generators during the period November 1979 to April 1980.

In addition to reducing the risk of outage extension due to delays in deliveries, the new schedule offers several other advantages. Concurrent with the development and implementation of an improved steam generator inspection and preventative tube plugging program, the availability of both units has improved considerably. The improvement in availability has provided additional scheduling flexibility and altered the optimal outage scheduling sequence for our nuclear and fossil units. The new schedule represents an optimal outage sequence based on

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the improved nuclear unit availability. The new schedule will place both steam generator replacement outages during periods of reduced system demand and eliminates the need for back to back outages, a potential problem should the first outage extend beyond its scheduled completion date.

Thus, the new schedule reduces the risk of outage extension due to delays in component or materials delivery and optimizes the scheduling of station outages.

Steam generator inspection and plugging criteria for continued operation will be consistent with those currently being utilized.

Due to the reduced incidence of tube failures and improved techniques in failure detection and prevention, the additional operation with the existing steam generators poses no danger to the health and safety of the general public.

Very truly yours,

C. M. Stallings

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

cc: Mr. Robert W. Reid