

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 28261

January 30, 1981

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
Attention: Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 040
NO/SWB
Docket Nos.: 50-280
50-281
License Nos.: DPR-32
DPR-37

Dear Mr. Denton:

FIRE PROTECTION REVIEW
SURRY POWER STATION

Attachment 2 of Vepco letter Serial No. 1009 dated December 23, 1980 provided clarification of design modifications and implementation schedules documented in the Surry Power Station Fire Protection Safety Evaluation Report. In a recent telephone conversation between the NRC and Vepco, your staff requested additional supporting information concerning certain modifications. As requested, Attachment (1) provides this information.

If you have any questions, please contact us.

Very truly yours,



B. R. Sylvia
Manager - Nuclear
Operations and Maintenance

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Attachment

cc: Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
Region II

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RESPONSE TO SUMMARY OF STAFF REQUIREMENTS
SURRY POWER STATION

Section 3.1.18(1), 3.1.18(8) - Hose Stations

Attachment (1) of Vepco letter Serial No. 354L dated June 30, 1980 submitted design information concerning additional turbine building hose racks. All areas of the plant containing safety related equipment can be reached by hose stations. It has been verified that existing hose stations in the turbine building have sufficient hose reach for all areas of the switchgear rooms and are equipped with nozzles suitable for extinguishing electrical fires.

Section 3.1.18(3) - Hose Stations

Attachment (1) of Vepco letter Serial No. 354L dated June 30, 1980 details the location and the design of the hose station at the entrance of the cable tray rooms. The hose station has sufficient hose to reach all areas of both cable tray rooms and mechanical equipment rooms 1 and 2.

Section 3.1.18(7) - Hose Stations

Attachment (1) (page 41) of Vepco letter Serial No. 885 dated October 31, 1980 provided information concerning hose reach in the turbine building. All locations on the 29 feet, 6 inch elevation of the turbine building can be reached by a maximum of 100 feet of 1½ inch hose attached to interior hose stations or attached to 2½ inch hose from a yard hose cabinet.

Section 3.1.26(1) - Water Suppression Systems

Attachment (3) of Vepco letter Serial No. 354C/061478 dated September 7, 1979 submitted design information in regard to the modified ventilation system. The sprinkler system on the new filter bank is designed to deliver 3.2 gallons per minute per cubic feet of charcoal.

Section 3.1.26(2) - Heat Collector Plates

Installation of the heat collector plates was completed in June, 1980. These plates are 5 inches in diameter and are installed over the sprinkler head per NFPA requirements.

Section 3.1.30(1) - Technical Specifications

The Technical Specification change required for the charging pump cross connection will be submitted in time to support startup of Unit 1 following the present steam generator replacement outage.