

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

August 12, 1980

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

Serial Number 354M/061478  
NO/SWB/jmj  
Docket Nos.: 50-280  
50-281  
License Nos.: DPR-32  
DPR-37

Dear Mr. Denton:

SURRY POWER STATION  
FIRE PROTECTION MODIFICATIONS

Amendment Nos. 54 and 53 to the Surry Power Station Operating License require facility modifications for fire protection. Attached for your information is the Project Status Summary. Information regarding the status of specific projects is given below:

- a. The Breathing Apparatus Recharging System is complete with the exception of extension of the air intake to the building exterior. This will be completed by September 30, 1980.
- b. The design package for cable tray covers (item 3.1.4) is 90% complete. Design information concerning the covers will be forwarded with the September status report. The modification is expected to be completed by September 30, 1980.
- c. The design package for fire dampers is complete. Installation is expected to be completed September 30, 1980.
- d. The Hose Stations required by item 3.1.18 are complete with the exception of Unit 1 containment dry standpipe hose station (3.1.18(6)) and the auxiliary building redundant water supply (3.1.18(16)). The Unit 1 containment dry standpipe system design is complete and the system will be installed during the steam generator replacement outage. The design of the auxiliary building redundant water supply is complete and installation of the modification is expected to be completed September 30, 1980.

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- e. Design of the Water Spray Shields item 3.1.29 is complete and the modification is expected to be completed by September 30, 1980.
- f. Write-ups of the demonstrations and reevaluations of safe shutdown capability (item 3.2.3) is near completion. This evaluation will be submitted by September 30, 1980.
- g. Revised Technical Specifications related to facility modifications required by the Safety Evaluation Report are being prepared as the modification designs are completed. The entire fire protection revised technical specifications will be submitted no later than October 31, 1980.

We will continue to inform you of our progress in implementing the requirements and will be glad to answer any questions you may have.

Very truly yours,



B. R. Sylvia  
Manager - Nuclear  
Operations and Maintenance

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

Attachment

### SURRY POWER STATION FIRE PROTECTION MODIFICATIONS PROJECT STATUS SUMMARY

Modifications		MODIFICATIONS SCHEDULE AND STATUS																				
Item No.	Descriptions	9/79	10/79	11/79	12/79	01/80	02/80	03/80	04/80	05/80	06/80	07/80	08/80	9/80	10/80	11/80	12/81	1/81	2/81	3/81	4/81	5/81
3.1.1	Administrative Controls	[Gantt bar: 9/79 to 11/79]																				
* 3.1.2	Air Flow Detectors	[Gantt bar: 9/79 to 11/79]																				
* 3.1.3	Breathing Apparatus	[Gantt bar: 9/79 to 11/79]																				
* 3.1.4	Cable Tray Covers	[Gantt bar: 9/79 to 11/79]																				
* 3.1.5	Safe Shutdown Circuitry	[Gantt bar: 9/79 to 11/79]																				
3.1.6	Combustibles	[Gantt bar: 9/79 to 11/79]																				
3.1.7	Charcoal Filters	[Gantt bar: 9/79 to 11/79]																				
3.1.8	Emergency Lighting	[Gantt bar: 9/79 to 11/79]																				
* 3.1.9	Fire Detection Systems	[Gantt bar: 9/79 to 11/79]																				
3.1.10	Fire Barriers	[Gantt bar: 9/79 to 11/79]																				
3.1.11	Fire Doors	[Gantt bar: 9/79 to 11/79]																				
3.1.12	Fire Dampers	[Gantt bar: 9/79 to 11/79]																				
3.1.13	Fire Extinguishers	[Gantt bar: 9/79 to 11/79]																				
3.1.14	Fire Ladder	[Gantt bar: 9/79 to 11/79]																				
* 3.1.15A	Floor Drains, Dikes	[Gantt bar: 9/79 to 11/79]																				
* 3.1.15B	Oil Collection Systems	[Gantt bar: 9/79 to 11/79]																				
* 3.1.16	Gas Suppression Systems	[Gantt bar: 9/79 to 11/79]																				
3.1.17	Hose Nozzles	[Gantt bar: 9/79 to 11/79]																				
* 3.1.18	Hose Stations	[Gantt bar: 9/79 to 11/79]																				
3.1.19	Hydrogen Lines	[Gantt bar: 9/79 to 11/79]																				
3.1.20	Hose Foam Carts	[Gantt bar: 9/79 to 11/79]																				
3.1.21	Hydrants	[Gantt bar: 9/79 to 11/79]																				
* 3.1.22	Valve Supervision	[Gantt bar: 9/79 to 11/79]																				
* 3.1.23	Monitoring Panels	[Gantt bar: 9/79 to 11/79]																				
3.1.24	Penetrations	[Gantt bar: 9/79 to 11/79]																				
* 3.1.25	Safe Shutdown	[Gantt bar: 9/79 to 11/79]																				
* 3.1.26	Water Suppression Systems	[Gantt bar: 9/79 to 11/79]																				
* 3.1.27	Ventilation System	[Gantt bar: 9/79 to 11/79]																				
3.1.28	Fire Detection System Power	[Gantt bar: 9/79 to 11/79]																				
* 3.1.29	Water Spray Shields	[Gantt bar: 9/79 to 11/79]																				
* 3.1.30	Technical Specifications	[Gantt bar: 9/79 to 11/79]																				
3.2.1	Auxiliary Boiler Room	[Gantt bar: 9/79 to 11/79]																				
3.2.2	Fire Dampers	[Gantt bar: 9/79 to 11/79]																				
3.2.3	Safe Shutdown	[Gantt bar: 9/79 to 11/79]																				
3.2.4	Charcoal Filter Hazard	[Gantt bar: 9/79 to 11/79]																				
3.2.5	In-Situ Testing	[Gantt bar: 9/79 to 11/79]																				

- KEY**
- 1. Beginning of bar represents project start date,
  - 2. End of bar represents project target completion date,
  - 3. Shaded portion represents percent complete,
  - 4. Absence of block indicates project has not been started,
  - 5. Asterisk \* indicates the date of complete submittal of required information,
  - 6. Delta A indicates the date of partial submittal of required information.

ISSUE DATE: 8-9-80