

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

September 7, 1979

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

Serial No. 354C/061478
PO/SWB:svm
Docket Nos.: 50-280
50-281
License Nos.: DPR-32
DPR-37

Dear Mr. Denton:

NRC FIRE PROTECTION SAFETY
EVALUATION REPORT
SURRY POWER STATION

REGULATORY DOCKET FILE COPY

VEPCO letter serial No. 354B/061478 agreed to implement fire protection modifications based on the first draft of the Safety Evaluation Report for Surry 1 & 2. The purpose of this letter is to submit target dates keyed to a second draft fire protection Safety Evaluation Report for Surry Units 1 and 2.

The target dates as shown in attachment (1) are realistic schedule dates that will be used to complete the modifications in an orderly fashion. We commit to implementing all modifications listed in attachment (1) by October 1980 except as noted. The below listed modifications will be implemented by the end of the next Unit 2 refueling outage following the present steam generator replacement outage. This refueling is tentatively scheduled to begin March, 1981.

3.1.5 Safe Shutdown Circuitry Unit 2

The design will be complete by October 1980 however an outage of approximately 2 weeks is required to install the modified circuitry. If an outage of the required length occurs prior to the next Unit 2 refueling, the modification will be installed, however the modification is being scheduled for the next Unit 2 refueling.

3.1.9 Fire Detection Systems

The fire detection modification requires smoke detector installation in almost all areas of the station. Locating the detectors and designing and installing the electrical panels and wiring is a large task and will require the schedule indicated.

3.1.15 Reactor Coolant Pump Oil Collection System - Unit 2

The design and fabrication of the reactor coolant pump oil collec-

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tion system will be complete by October 1980, however the refueling outage is required for final fit up of the collecting cans and the containment equipment hatch must be opened to install the oil storage tank.

3.1.23 Monitoring Panels

Design of the Fuel Building Monitoring Panels will be complete by August 1980. However, the Unit 2 refueling outage is required to install the monitoring panels and reactor coolant monitoring instrumentation.

3.1.25 Safe Shutdown - Charging Pump Cross - Connect

The charging pump cross connect requires an in depth evaluation and analysis of the implications involved in the cross connect. Approval of the NSSS Vendor is also required. The Unit 2 refueling is required to complete the modification.

3.2.5 In-situ Testing

In-situ Testing of the smoke detectors cannot be completed until the smoke detector installation is complete.

The above modifications require either extensive engineering and analysis or an extended outage for installation. Every effort will be made to complete installation and testing prior to the target dates. However, these dates already reflect an optimistic schedule.

Very truly yours,


C. M. Stallings

Vice President - Power Supply
And Production Operations

SWB/svm:2H3

Attachment

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

ATTACHMENT (1)

TARGET DATES FOR COMPLETION OF FIRE PROTECTION MODIFICATIONS

3.1.1	Administrative Controls	11/79
3.1.2	Air Flow Detectors	1/80
3.1.3	Breathing Apparatus	1/80
3.1.4	Cable Tray Covers	Unit 1 - 4/80; Unit 2 - 6/80
3.1.5	Safe Shutdown Circuitry	Unit 1 - 10/80; Unit 2 - 5/81
3.1.6	Combustibles	10/79
3.1.7	Charcoal Filters	3/80
3.1.8	Emergency Lighting	4/80
3.1.9	Fire Detection Systems	5/81
3.1.10	Fire Barriers	9/80
3.1.11	Fire Doors	6/80
3.1.12	Fire Dampers	6/80
3.1.13	Fire Extinguishers	1/80
3.1.14	Fire Ladder	11/79
3.1.15	Floor Drains, Dikes, Curbs	2/80
	Oil Collection Systems	Unit 1 - 7/80; Unit 2 - 3/81
3.1.16	Gas Suppression Systems	Unit 1 - 10/80; Unit 2 - 10/80
3.1.17	Hose Nozzles	12/79
3.1.18	Hose Stations	7/80
3.1.19	Hydrogen Lines	5/80
3.1.20	Hose Foam Carts	4/80
3.1.21	Hydrants	10/79
3.1.22	Valve Supervision	12/79
3.1.23	Monitoring Panels	Unit 1 10/80; Unit 2 - 4/81
3.1.24	Penetrations	8/80
3.1.25	Safe Shutdown	5/81
3.1.26	Water Suppression Systems	10/80
3.1.27	Ventilation System	10/80
3.1.28	Fire Detection Power Supply	8/80
3.1.29	Water Spray Shield	7/80
3.1.30	Technical Specifications	1/80

3.2.1	Auxiliary Boiler Room	4/80
3.2.2	Fire Dampers	6/80
3.2.3	Safe Shutdown	4/80
3.2.4	Charcoal Filter Hazard	4/80
3.2.5	In-situ Testing	5/81