February 7, 1992

Docket Nos. 50-280
and 50-281

DISTRIBUTION
See attached sheet

Mr. W. L. Stewart
Senior Vice President - Nuclear
Virginia Electric and Power Company
5000 Dominion Blvd.
Glen Allen, Virginia 23060

Dear Mr. Stewart:

SUBJECT: SURRY UNITS 1 AND 2 - ISSUANCE OF AMENDMENTS RE: HALON FIRE SUPPRESSION SYSTEM (TAC NOS. M82501 AND M82502)

The Commission has issued the enclosed Amendment No. 166 to Facility Operating License No. DPR-32 and Amendment No. 165 to Facility Operating License No. DPR-37 for the Surry Power Station, Unit Nos. 1 and 2, respectively. The amendments consist of changes to the Technical Specifications (TS) in response to your application transmitted by letter dated December 19, 1991.

These amendments delete the operability requirements for the station records vault Halon fire suppression system. In addition, operability requirements for the Halon fire suppression systems for the emergency switchgear rooms are added.

A copy of the Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

/s/
Bart C. Buckley, Senior Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:
1. Amendment No. 166 to DPR-32
2. Amendment No. 165 to DPR-37
3. Safety Evaluation

cc w/enclosures:
See next page

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1/24/92	1/24/92	2/7/92	1/29/92	2/4/92

DPN OK 1/29/92

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Mr. W. L. Stewart
Virginia Electric and Power Company

Surry Power Station

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DATED: February 7, 1992

AMENDMENT NO.166 TO FACILITY OPERATING LICENSE NO. DPR-32 - SURRY UNIT 1
AMENDMENT NO.165 TO FACILITY OPERATING LICENSE NO. DPR-37 - SURRY UNIT 2

Docket File
NRC & Local PDRs
PDII-2 Reading
S. Varga, 14/E/4
G. Lainas, 14/H/3
H. Berkow
D. Miller
B. Buckley
OGC-WF
D. Hagan, 3302 MNBB
P. Madden, 11/E/22
C. McCracken, 8/D/1
G. Hill (8), P-137
Wanda Jones, MNBB-7103
C. Grimes, 11/F/23
ACRS (10)
GPA/PA
OC/LFMB
M. Sinkule, R-II

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

VIRGINIA ELECTRIC AND POWER COMPANY

DOCKET NO. 50-280

SURRY POWER STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 166
License No. DPR-32

1. The Nuclear Regulatory Commission (the Commission) has found that:

   A. The application for amendment by Virginia Electric and Power Company (the licensee) dated December 19, 1991, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;

   B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;

   C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;

   D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and

   E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

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2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-32 is hereby amended to read as follows:

   (B) Technical Specifications

   The Technical Specifications contained in Appendix A, as revised through Amendment No.166 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION

Herbert N. Berkow, Director
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: February 7, 1992

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

VIRGINIA ELECTRIC AND POWER COMPANY

DOCKET NO. 50-281

SURRY POWER STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 165
License No. DPR-37

1. The Nuclear Regulatory Commission (the Commission) has found that:

   A. The application for amendment by Virginia Electric and Power Company (the licensee) dated December 19, 1991, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;

   B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;

   C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;

   D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and

   E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-37 is hereby amended to read as follows:

   (B) Technical Specifications

   The Technical Specifications contained in Appendix A, as revised through Amendment No. 165 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION

Herbert N. Berkow, Director
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: February 7, 1992

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 166 TO FACILITY OPERATING LICENSE NO. DPR-32

AMENDMENT NO. 165 TO FACILITY OPERATING LICENSE NO. DPR-37

DOCKET NOS. 50-280 AND 50-281

Revise Appendix A as follows:

Remove Page	Insert Page
TS 3.21-2	TS 3.21-2

3. Spray and Sprinkler System - that provide protection for the cable tunnel and cable vault shall be operable

4. Low Pressure CO_2 Storage Tank - shall be operable with a minimum level of 75% and a minimum pressure of 275 psig.

5. Low Pressure CO_2 System - shall be operable to the extent that when equipment in the below listed areas is required to be operable, fire suppression can be provided upon demand.

   a. Cable tray rooms
   b. Cable tunnels
   c. Cable vaults
   d. Safety related charcoal filter banks 3A and 3B
   e. Emergency diesel generator rooms

6. High Pressure CO_2 System - shall be operable to the extent that when equipment in the below listed areas is required to be operable, fire suppression can be provided upon demand. The minimum level of High Pressure CO_2 system shall be 90% by weight.

   a. Fuel oil storage tank room for emergency service water pumps

   b. Fuel oil transfer pump rooms for emergency diesel generators

7. Halon Systems - shall be operable for the Emergency Switchgear Rooms. The storage tanks shall be at least 95% of full charge weight and 90% of full charge pressure.

8. Fire Hose Stations - the hose stations listed in Table 3.21-2 shall be operable when equipment in the areas served by the hose stations is required to be operable.

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NO. 166 TO FACILITY OPERATING LICENSE NO. DPR-32

AND AMENDMENT NO. 165 TO FACILITY OPERATING LICENSE NO. DPR-37

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION, UNIT NOS. 1 AND 2

DOCKET NOS. 50-280 AND 50-281

1.0 INTRODUCTION

By letter dated December 19, 1991, Virginia Electric and Power Company (VEPCO) proposed to amend Facility Operating License Nos. DPR-32 and DPR-37 for the Surry Power Station, Units 1 and 2. The requested change to the Technical Specifications (TS) would delete the operability requirements for the Surry Power Station records vault Halon fire suppression system. In addition, operability requirements for the Halon fire suppression systems for the emergency switchgear rooms (ESGR) would be added to the TS. Consequently, Section 3.21.A.7 would be modified to read "Halon Systems - shall be operable for the Emergency Switchgear Rooms. The storage tanks shall be at least 95% of full charge weight and 90% of full charge pressure."

2.0 EVALUATION

VEPCO is completing the construction of an administrative building at the Surry Power Station which will contain a new records vault for the station's records. The new records vault will be equipped with a water-sprinkler system to protect the records should a fire occur. The existing station records vault is protected by a Halon fire suppression system which has operability requirements as delineated in TS Section 3.21.A.7. Since the new station records vault would be protected by a water-sprinkler fire suppression system rather than a Halon system, the TS must be changed to permit transfer of the station records from the existing vault to the new vault. Both the current vault and the new vault are located outside the protected area.

In 1976, the Nuclear Regulatory Commission (NRC) provided sample fire protection TS for safety-related equipment for guidance to licensees to incorporate into their TS. While the records vault is not required for plant safety, it did have a Halon fire suppression system. Therefore, VEPCO elected to include this fire suppression system in their proposed fire protection TS which was incorporated into the TS by an amendment issued in 1977. The intent of the above-cited NRC guidance did not require TS conditions on fire protection systems in non-safety-related areas. Therefore, the NRC staff finds that VEPCO's request to delete the Limiting Condition for Operation and surveillance requirements for the Halon fire suppression system from the Surry

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TS is reasonable, and is, therefore, acceptable. In addition, because the ESGR is a safety-related area, we find that the proposed incorporation of operability surveillance requirements for the Halon fire protection system for the ESGR into the TS to be appropriate and acceptable.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Virginia State official was notified of the proposed issuance of the amendments. The State official had no comment.

4.0 ENVIRONMENTAL CONSIDERATION

These amendments change a surveillance requirement. The NRC staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that these amendments involve no significant hazards consideration and there has been no public comment on such finding (57 FR 716). Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these amendments.

5.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: Bart Buckley

Date: February 7, 1992