



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

April 20, 1984

Docket Nos. 50-280
and 50-281

Mr. W. L. Stewart
Vice President - Nuclear Operations
Virginia Electric and Power Company
Post Office Box 26666
Richmond, Virginia 23261

Dear Mr. Stewart:

The Commission has issued the enclosed Amendment No.96 to Facility Operating License No. DPR-32 and Amendment No.95 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 in response to your application transmitted by letter dated October 28, 1980, supplemented January 9, 1984.

These amendments revise the Technical Specifications to change Specification 4.18.B.1.f(2) to provide the fire pump system head at 231 feet instead of 250 feet to reflect pump design conditions.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's next regular monthly Federal Register notice.

Sincerely,

ORIGINAL SIGNED BY

Joseph D. Neighbors, Project Manager
Operating Reactors Branch #1
Division of Licensing

Enclosures:

- 1. Amendment No. 96 to DPR-32
- 2. Amendment No. 95 to DPR-37
- 3. Safety Evaluation

cc: w/enclosures
See next page

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Sincerely,

A handwritten signature in cursive script that reads "Joseph D. Neighbors".

Joseph D. Neighbors, Project Manager
Operating Reactors Branch #1
Division of Licensing

Enclosures:

1. Amendment No. 96 to DPR-32
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3. Safety Evaluation

cc: w/enclosures
See next page

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

Surry Power Station
Units 1 and 2

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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. 96
License No. DPR-32

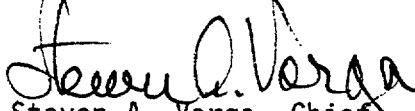
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Virginia Electric and Power Company (the licensee) dated October 28, 1980, supplemented January 9, 1984, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (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-32 is hereby amended to read as follows:

(B) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 96, 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 the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: April 20, 1984



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. 95
License No. DPR-37

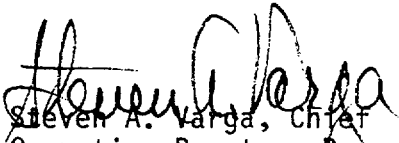
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 - A. The application for amendment by Virginia Electric and Power Company (the licensee) dated October 28, 1980, supplemented January 9, 1984, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and 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. 95, 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 the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: April 20, 1984

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 96 FACILITY OPERATING LICENSE NO. DPR-32

AMENDMENT NO. 95 FACILITY OPERATING LICENSE NO. DPR-37

DOCKET NOS. 50-280 AND 50-281

Revise Appendix A as follows:

Remove Page
4.18-2

Insert Page
4.18-2

B. Plant Fire Suppression Water System

1. The Fire Suppression Water system shall be demonstrated operable:
 - a. At least once per 7 days by verifying the water supply volume.
 - b. At least once per 31 days on a staggered test basis by starting each pump and operating it for at least 15 minutes on recirculation flow.
 - c. At least once per 31 days by verifying that each valve (manual, power operated or automatic) in the flow path is in its correct position.
 - d. At least once per 6 months by performance of a system flush.
 - e. At least once per 12 months by cycling each testable valve in the flow path through at least one complete cycle of full travel.
 - f. At least once per 18 months:
 - (1) By performing a system functional test which includes simulated automatic actuation of the system throughout its operating sequence and verifying that each automatic valve in the flow path actuates to its correct position, and
 - (2) By verifying that each pump develops a flow equal to or greater than 2500 gpm at a Total Dynamic Head of 231 feet, and
 - (3) By verifying that each high pressure pump starts (sequentially) to maintain the fire suppression water system pressure equal to or greater than 90 psig.
 - g. At least once per 3 years by performing a flow test of the system in accordance with Chapter 5, Section 11 of Fire Protection Handbook, 14th Edition published by National Fire Protection Association.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. ⁹⁶ TO FACILITY OPERATING LICENSE NO. DPR-32
AND AMENDMENT NO. ⁹⁵ 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

Introduction

By letter dated October 28, 1980, as supplemented January 9, 1984, Virginia Electric and Power Company (the licensee) requested amendments to Facility Operating License Nos. DPR-32 and DPR-37 for Surry Power Station, Unit Nos. 1 and 2. The amendments would change the Technical Specifications related fire pumps.

Discussion and Evaluation

By letter dated June 16, 1977, the NRC provided sample fire protection Technical Specifications for guidance. In the NRC guidance letter, the specification for fire pump flow testing stated, "By verifying that each pump develops at least (2500) gpm at a system head of (250) feet." The amount for gpm and feet were to be provided by each licensee. Due to error and oversight in a submittal of August 1, 1977, the licensee proposed the guidance specification verbatim instead of providing the gpm and feet to correspond to Surry's pump design criteria. Amendment Nos. 34 and 33 were issued on November 30, 1977 with the (250) feet value.

During periodic tests, the fire pumps failed to meet the acceptance criteria of 250 feet of head at 2500 gpm. The NRC was notified of the failure in a letter dated April 22, 1980 (Serial No. 370). The pump was inspected at that time, and it was determined that the pump showed no sign of significant or abnormal wear, nor did its performance deviate significantly from the original test data. Subsequently, a representative of the pump manufacturer inspected Surry's fire pump and verified these conclusions. Further review revealed that Specification 4.18.B.1.f.(2) exceeds both the original design criteria of 244.9 feet at 2500 gpm and the FSAR requirement of 100 psi discharge pressure at 2500 gpm. Based on this review, a request to change the specification was submitted requiring that each pump develop a flow equal to or greater than 2500 gpm at a total dynamic head of 231 feet (100 psi).

We have reviewed the licensee's request and conclude that this change is acceptable and the 231 feet value would have been included in our previous amendments if it had been submitted.

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Environmental Consideration

We have determined that these amendments do not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendments involve an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of these amendments.

Conclusion

We have 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, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: April 20, 1984

Principal Contributor:
Don Neighbors, ORB#1