

MARCH 21 1980

Docket Nos. 50-280  
and 50-281

Mr. J. H. Ferguson  
Executive Vice President - Power  
Virginia Electric and Power Company  
Post Office Box 26666  
Richmond, Virginia 23261

Dear Mr. Ferguson:

The Commission has issued the enclosed Amendment Nos. 58 and 57 to Facility Operating License Nos. DPR-32 and DPR-37 for the Surry Power Station, Unit Nos. 1 and 2. The amendments consist of changes to the Technical Specifications in response to your application transmitted by letter dated August 31, 1979.

The amendments revise the current license condition which requires the use of temporary containment and ventilation systems for all cutting and grinding operations. This change would require the use of these systems based on ALARA considerations as determined by the Health Physics Coordinator.

Copies of the related Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

Original Signed By

A. Schwencer, Chief  
Operating Reactors Branch #1  
Division of Operating Reactors

Enclosures:

1. Amendment No. 58 to DPR-32
2. Amendment No. 57 to DPR-37
3. Safety Evaluation
4. Notice of Issuance

cc: w/enclosures  
See next page

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

March 21, 1980

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Sincerely,

A handwritten signature in cursive script, appearing to read "A. Schwencer".

A. Schwencer, Chief  
Operating Reactors Branch #1  
Division of Operating Reactors

Enclosures:

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cc: w/enclosures  
See next page

Mr. J. H. Ferguson  
Virginia Electric and Power Company - 2 -

March 21, 1980

cc: Mr. Michael W. Maupin  
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Richmond, Virginia 23213

Mr. W. L. Stewart, Manager  
P. O. Box 315  
Surry, Virginia 23883

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Williamsburg, Virginia 23185

Donald J. Burke, Resident Inspector  
Surry Power Station  
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Post Office Box 959  
Williamsburg, Virginia 23185

Mr. Sherlock Holmes, Chairman  
Board of Supervisors of Surry County  
Surry County Courthouse, Virginia 23683

Commonwealth of Virginia  
Council on the Environment  
903 Ninth Street Office Building  
Richmond, Virginia 23219

Attorney General  
1101 East Broad Street  
Richmond, Virginia 23219

Mr. James R. Wittine  
Commonwealth of Virginia  
State Corporation Commission  
Post Office Box 1197  
Richmond, Virginia 23209

Director, Technical Assessment Division  
Office of Radiation Programs (AW-459)  
U. S. Environmental Protection Agency  
Crystal Mall #2  
Arlington, Virginia 20460

U. S. Environmental Protection Agency  
Region III Office  
ATTN: EIS COORDINATOR  
Curtis Building - 6th Floor  
6th and Walnut Streets  
Philadelphia, Pennsylvania 19106



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. 58  
License No. DPR-32

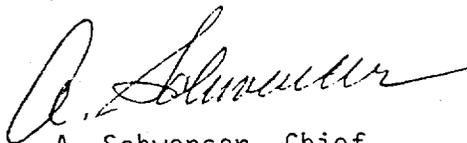
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Virginia Electric and Power Company (the licensee) dated August 31, 1979, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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, paragraph 3.G.(2)(b) of Facility Operating License No. DPR-32 is hereby amended to read as follows:

(b) Temporary containment and ventilation systems shall be installed and operated for all cutting and grinding operations involving components with removable radioactive contamination greater than 2200 DPM per 100 cm<sup>2</sup> except when the Health Physics Coordinator for the Steam Generator Repair Program determines, based on an evaluation involving ALARA considerations, that their use will increase overall occupational radiation exposure to workers involved in the repair activities.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



A. Schwencer, Chief  
Operating Reactors Branch #1  
Division of Operating Reactors

Attachment:  
Changes to the  
Technical Specifications

Date of Issuance: March 21, 1980



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. 57  
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 August 31, 1979, 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, paragraph 3.G.(2)(b) of Facility Operating License No. DPR-32 is hereby amended to read as follows:

(b) Temporary containment and ventilation systems shall be installed and operated for all cutting and grinding operations involving components with removable radioactive contamination greater than 2200 DPM per 100 cm<sup>2</sup> except when the Health Physics Coordinator for the Steam Generator Repair Program determines, based on an evaluation involving ALARA considerations, that their use will increase overall occupational radiation exposure to workers involved in the repair activities.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



A. Schwencer, Chief  
Operating Reactors Branch #1  
Division of Operating Reactors

Attachment:  
Changes to the  
Technical Specifications

Date of Issuance: March 21, 1980



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NOS. 58 AND 57 TO

FACILITY OPERATING LICENSE NOS. DPR-32 AND 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 August 31, 1979, the Virginia Electric and Power Company (the licensee) requested a change to License Condition 3.G.2.b for the Surry Station steam generator repair program. The current license condition requires the use of temporary containment and ventilation systems whenever cutting and grinding operations involving components with removable radioactive contamination  $> 2200$  DPM/100 cm<sup>2</sup> are being performed. The change requested would allow the Health Physics Coordinator to determine the need for these systems on a case-by-case basis.

Discussion and Evaluation

The purpose of the original license was to protect the workers and the environment from airborne contaminants released as a result of cutting and grinding operations.

The installation of temporary containment systems can, however, result in a higher occupational radiation exposure to personnel when compared to direct operations without the use of the temporary containments. This can occur because the radiation exposures received by personnel installing and removing the temporary containments may exceed the exposures caused by the spread of radioactive contamination, especially for operations involving low contamination level components in relatively high direct radiation fields. In addition, samples taken during cutting operations have shown that airborne activity generated tended to be localized to the extent that only those workers performing the operation would be exposed to the contaminants. Adequate protection could be provided by use of respiratory equipment. This technique would allow for protection from airborne contamination while subsequently reducing exposures caused by the installation of temporary systems. The proposed change will provide further assurance that occupational exposures will be maintained As Low As Reasonably Achievable (ALARA).

We have reviewed the licensee's submittal and the basis for the proposed change. In addition, we have discussed the submittal with the licensee and OIE inspectors during site visits. Based on our review and discussions, we conclude that the licensee's proposal is in keeping with the ALARA principle and is acceptable.

#### Environmental Consideration

We have determined that the 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) because the amendments do not involve a significant increase in the probability or consequences of accidents previously considered and do not involve a significant decrease in a safety margin, the amendments do not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) 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.

Date: March 21, 1980

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NOS. 50-280 AND 50-281VIRGINIA ELECTRIC AND POWER COMPANYNOTICE OF ISSUANCE OF AMENDMENTS TO FACILITYOPERATING LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment Nos. 58 and 57 to Facility Operating License Nos. DPR-32 and DPR-37 issued to Virginia Electric and Power Company, which revised Technical Specifications for operation of the Surry Power Station, Unit Nos. 1 and 2 (the facility) located in Surry County, Virginia. The amendments are effective as of the date of issuance.

The amendments revise the requirements for use of temporary containment and ventilation systems during cutting and grinding operations involving components with removable radioactive contamination greater than 2200 disintegrations per minute per 100 square centimeters of surface area. This change, rather than requiring the use of these systems for all such operations, would require their use except when the Licensee's Health Physics Coordinator for the Steam Generator Repair Program determines, based on an evaluation involving "as low as reasonably achievable" considerations, that their use will increase overall occupational radiation exposure to workers involved in the repair activities.

The application for the amendments complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendments. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

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The Commission has determined that the issuance of these amendments will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of these amendments:

For further details with respect to this action, see (1) the application for amendment dated August 31, 1979, (2) Amendment Nos. 58 and 57 to License Nos. DPR-32 and DPR-37, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C. and the Swem Library, College of William and Mary, Williamsburg, Virginia. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this 21st day of March, 1980.

FOR THE NUCLEAR REGULATORY COMMISSION



A. Schwencer, Chief  
Operating Reactors Branch #1  
Division of Operating Reactors