

August 1, 1988

Docket Nos. 50-280  
and 50-281

Mr. D. S. Cruden  
Vice President - Nuclear  
Virginia Electric and Power Company  
5000 Dominion Blvd.  
Glen Allen, Virginia 23060

Dear Mr. Cruden:

SUBJECT: SURRY UNITS 1 AND 2 - ISSUANCE OF AMENDMENTS RE: MINIMUM  
SHIFT CREW COMPOSITION (TAC NOS. 68325 AND 68326)

DISTRIBUTION

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The Commission has issued the enclosed Amendment No. 123 to Facility Operating License No. DPR-32 and Amendment No. 123 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 May 25, 1988.

These amendments revise Table 6.1-1, "Minimum Shift Crew Composition" of the Technical Specifications for Surry Units 1 and 2, to increase the minimum shift manning requirements for Auxiliary Operators (AO) from three to four. This change provides additional assurance for compliance with the requirements of 10 CFR Part 50, Appendix R.

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/

Chandu P. Patel, Project Manager  
Project Directorate II-2  
Division of Reactor Projects-I/II  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 123 to DPR-32
2. Amendment No. 123 to DPR-37
3. Safety Evaluation

cc w/enclosures:

See next page

LA:PDII-2  
D Miller  
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PDR ADDCK 05000280  
PDC

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Mr. D. S. Cruden  
Virginia Electric and Power Company

Surry Power Station

cc:

Mr. Michael W. Maupin  
Horton and Williams  
Post Office Box 1535  
Richmond, Virginia 23212

Attorney General  
Supreme Court Building  
101 North 8th Street  
Richmond, Virginia 23219

Mr. David L. Benson, Manager  
Surry Power Station  
Post Office Box 315  
Surry, Virginia 23883

Resident Inspector  
Surry Power Station  
U.S. Nuclear Regulatory Commission  
Post Office Box 166, Route 1  
Surry, Virginia 23883

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

W. T. Lough  
Virginia Corporation Commission  
Division of Energy Regulation  
Post Office Box 1197  
Richmond, Virginia 23209

Regional Administrator, Region II  
U.S. Nuclear Regulatory Commission  
101 Marietta Street N.W., Suite 2900  
Atlanta, Georgia 30323

C. M. G. Buttery, M.D., M.P.H.  
Department of Health  
109 Governor Street  
Richmond, Virginia 23219



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. 123  
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 May 25, 1988, 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:

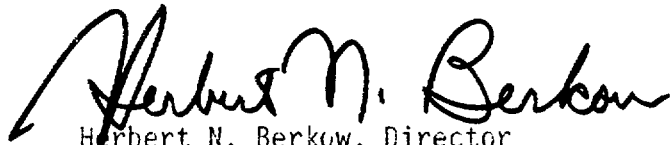
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P PDC

(B) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 123, 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

A handwritten signature in black ink, reading "Herbert N. Berkow". The signature is written in a cursive style with a large, sweeping initial "H".

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: August 1, 1988



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. 123  
License No. DPR-37

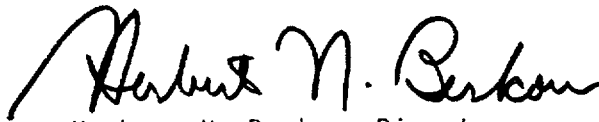
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Virginia Electric and Power Company (the licensee) dated May 25, 1988, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's 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. 123, 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



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: August 1, 1988

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 123      FACILITY OPERATING LICENSE NO. DPR-32

AMENDMENT NO. 123      FACILITY OPERATING LICENSE NO. DPR-37

DOCKET NOS. 50-280 AND 50-281

Revise Appendix A as follows:

Remove Page

TS 6.1-4

Insert Page

TS 6.1-4

TABLE 6.1-1MINIMUM SHIFT CREW COMPOSITION

POSITION	NUMBER OF INDIVIDUALS REQUIRED TO FILL POSITION		
	ONE UNIT OPERATING	TWO UNITS OPERATING	TWO UNITS IN COLD SHUTDOWN OR REFUELING
SS	1	1	1
SRO	1	1	None
RO	3	3	2
AO	4	4	4
STA	1	1	None





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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 123 TO FACILITY OPERATING LICENSE NO. DPR-32  
AND AMENDMENT NO. 123 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 May 25, 1988, the Virginia Electric and Power Company (the licensee) requested amendments to Facility Operating License Nos. DPR-32 and DPR-37, issued to the licensee for operation of the Surry Nuclear Power Station, Units 1 and 2 (SPS-1&2) respectively, located in Surry County, Virginia.

The licensee proposed to revise Table 6.1-1, "Minimum Shift Crew Composition" of the SPS-1&2 Technical Specifications (TS), to increase the minimum shift manning for Auxiliary Operators (AO) from three to four. The increased manning is proposed to assure that the minimum number of operating personnel is available to safely shut down the unit and maintain it in a safe condition in the event of a fire.

DISCUSSION AND EVALUATION

By letter dated April 10, 1986, the licensee submitted Revision 2 to the Surry 10 CFR Part 50 Appendix R Report. In this report, the licensee submitted an evaluation showing how it will achieve safe shutdown within the constraints of the available manpower and time limitations based on a worst-case fire scenario. In the event of a fire, several abnormal procedures require the coordinated activities of several operations personnel, both within and outside the control room. The licensee evaluated the minimum shift manning necessary to implement these procedures with no adverse effect on fire brigade. This evaluation resulted in increasing the minimum number of AO specified in Table 6.1-1 of the Surry TS from three to four. In the report, the licensee indicated that in order to meet the requirements of Appendix R, the number of AO in the minimum shift crew composition will be administratively maintained at four (one greater than that required by the present TS for SPS-1&2) until the TS are changed.

The proposed change would revise Table 6.1-1 of the SPS-1&2 TS to increase the minimum shift manning for AO from three to four. This will provide additional assurance that the licensee will have adequate operating personnel at the site to safely shut down the unit and maintain it in a safe condition in the event of a fire.

Based on the above information, the staff finds the proposed change to be acceptable.

### ENVIRONMENTAL CONSIDERATION

These amendments involve a change in the installation or use of the facilities components located within the restricted areas as defined in 10 CFR Part 20. The staff has determined that these 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. 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.

### 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: August 1, 1988

Principal Contributor:

C. Patel