

March 4, 1983

Docket No. 50-395

Mr. O. W. Dixon, Jr.  
Vice President Nuclear Operations  
South Carolina Electric & Gas Company  
P.O. Box 764  
Columbia, South Carolina 29218

Dear Mr. Dixon:

Subject: Issuance of Amendment No. 12 to Facility Operating License NPF-12 Virgil C. Summer Nuclear Station, Unit No. 1

The Nuclear Regulatory Commission has issued Amendment No. 12 to Facility Operating License NPF-12 for the Virgil C. Summer Nuclear Station, Unit No. 1 located in Fairfield County, South Carolina. This amendment is in response to your letter dated December 17, 1982.

The amendment changes the Technical Specifications to add a containment penetration conductor overcurrent protective device for the steam cleaning machine permanent power source.

A copy of the related safety evaluation supporting Amendment No. 12 to Facility Operating License NPF-12 is enclosed. Also enclosed is a copy of a related notice which has been forwarded to the Office of the Federal Register for publication.

Sincerely,

Elinor G. Adensam, Chief  
Licensing Branch No. 4  
Division of Licensing

Enclosures:

1. Amendment No. 12
2. Safety Evaluation
3. Federal Register Notice

cc w/enclosure:  
See next page

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DATE	1/17/83	1/17/83	3/3/83				

SUMMER

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Chairman, Fairfield County Council  
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Office of the Governor  
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1205 Pendleton Street, 4th Floor  
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Attorney General  
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Columbia, South Carolina 29211

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and Environmental Control  
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SOUTH CAROLINA ELECTRIC & GAS COMPANY  
SOUTH CAROLINA PUBLIC SERVICE AUTHORITY  
DOCKET NO. 50-395

VIRGIL C. SUMMER NUCLEAR STATION, UNIT NO. 1  
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 12  
License No. NPF-12

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the Virgil C. Summer Nuclear Station, Unit No. 1 (the facility) Facility Operating License No. NPF-12 filed by the South Carolina Electric & Gas Company acting for itself and South Carolina Public Service Authority (the licensees), dated December 17, 1982, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations as set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the 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 set forth in 10 CFR Chapter I;
  - D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public;
  - E. The issuance of this license 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 hereby amended by page change to the Technical Specifications as indicated in the attachments to this license amendment. Paragraph 2.C(2) of Facility Operating License No. NPF-12 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 12, are hereby incorporated into this license. South

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Carolina Electric & Gas Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION

*S*

Elinor G. Adensam, Chief  
Licensing Branch No. 4  
Division of Licensing

Enclosure:  
Technical Specification  
Changes

Date of Issuance: March 4, 1983

*Final Audit Young*

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DATE	1/1/83	1/1/83	1/1/83	3/3/83	1/1/83		

ATTACHMENT TO LICENSE AMENDMENT NO. 12

FACILITY OPERATING LICENSE NO. NPF-12

DOCKET NO. 50-395

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains a vertical line indicating the area of change.

Amended  
Page

3/4 8-58

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TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICE TEST SETPOINT CRITERIA

<u>EQUIP NO. -SYS/DESCRIPTION</u>	<u>DEVICE</u>	<u>LOCATION</u>	<u>TEST SETPOINT</u>	<u>RESPONSE TIME</u>
155) 480 VAC MCC, CONTINUED: XVG 3109D-SW/R.B. RECIRC. UNIT D ISOLATION VLV.	PRIMARY	XMC1DB2Y/21IM	45 Amps	≤ 100 Sec.
	BACKUP	XMC1DB2Y/21IM	45 Amps	≤ 100 Sec.
156) XVG 8702A-RH/RHR LOOP 1 INLET ISOLATION VLV.	PRIMARY	XMC1DB2Y/4AE	225 Amps	N/A
	BACKUP	XMC1DB2Y/4AE	45 Amps	≤ 100 Sec.
157) XVG 8702B-RH/RHR LOOP 3 INLET ISOLATION VLV.	PRIMARY	XMC1DB2Y/4FJ	225 Amps	N/A
	BACKUP	XMC1DB2Y/4FJ	45 Amps	≤ 100 Sec.
158) XVG 8808B-SI/ACCUMULATOR B ISOLATION VLV.	PRIMARY	XMC1DB2Y/16IM	300 Amps	≤ 200 Sec.
	BACKUP	XMC1DB2Y/16IM	300 Amps	≤ 200 Sec.
159) XVG 8000A-RC/PRESS. RELIEF ISOLATION VLV.	PRIMARY	XMC1DB2Y/3IM	225 Amps	N/A
	BACKUP	XMC1DB2Y/3IM	45 Amps	≤ 100 Sec.
160) XVG 8095A-RC/REACTOR HEAD VENT VLV. TO PRESS. RELIEF TANK	PRIMARY	XMC1DA2X/5IM	225 Amps	N/A
	BACKUP	XMC1DA2X/5IM	45 Amps	≤ 100 Sec.

TABLE 3.8-1 (continued)CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICE TEST SETPOINT CRITERIA

<u>EQUIP NO.-SYS/DESCRIPTION</u>	<u>DEVICE</u>	<u>LOCATION</u>	<u>TEST SETPOINT</u>	<u>RESPONSE TIME</u>
480 VAC MCC, CONTINUED:				
161) XVG 8095B-RC/REACTOR HEAD VENT VLV. TO PRESS. RELIEF TANK	PRIMARY	XMC1DB2Y/23FJ	225 Amps	N/A
	BACKUP	XMC1DB2Y/23FJ	60 Amps	≤ 100 Sec.
162) XVG 8096A-RC/REACTOR HEAD VENT VLV. TO PRESS. RELIEF TANK	PRIMARY	XMC1DA2X/7AE	225 Amps	N/A
	BACKUP	XMC1DA2X/7AE	60 Amps	≤ 100 Sec.
163) XVG 8096B-RC/REACTOR HEAD VENT VLV. TO PRESS. RELIEF TANK	PRIMARY	XMC1DB2Y/12IM	225 Amps	N/A
	BACKUP	XMC1DB2Y/12IM	60 Amps	≤ 100 Sec.
164) XVG 7503-AC/CRDM COOLING WATER OUTLET VLV.	PRIMARY	XMC1DA2X/11IM	225 Amps	N/A
	BACKUP	XMC1DA2X/11IM	60 Amps	≤ 100 Sec.
165) XVG 7502-AC/CRDM COOLING WATER INLET VLV.	PRIMARY	XMC1DB2X/7IM	225 Amps	N/A
	BACKUP	XMC1DB2X/7IM	60 Amps	≤ 100 Sec.
166) WELDING RECEPTACLE FOR STEAM CLEANING MACHINE WE	PRIMARY	XMC1C3X/9KM	300 Amps	≤ 200 Sec.
	BACKUP	XMC1C3X/9KM	300 Amps	≤ 200 Sec.

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 12 TO FACILITY OPERATING LICENSE NPF-12

SOUTH CAROLINA ELECTRIC & GAS COMPANY  
SOUTH CAROLINA PUBLIC SERVICE AUTHORITY

INTRODUCTION

By letter dated December 17, 1982, the South Carolina Electric and Gas Company (SCE&G) requested a change to the Technical Specifications to add a containment penetration conductor overcurrent protective device for the steam cleaning machine permanent power source.

EVALUATION

The surveillance requirement on page 3/4 8-16 for the containment penetration conductor overcurrent devices requires that the devices be demonstrated operable. The licensee in its letter of December 17, 1982, requested an addition to Technical Specification Table 3.8-1 for devices for the permanent power source for the steam cleaning machine.

We have reviewed the above addition and conclude that it is administrative in nature and consistent with the basis for our approval of containment electrical penetrations during the operating license stage of review.

ENVIRONMENTAL CONSIDERATION

We have determined that the amendment does 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 amendment involves 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 this amendment.

CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered, does not create the possibility of an accident of a type different from any evaluated previously, and does not

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involve a significant decrease in a safety margin, the amendment does 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 this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: March 4, 1983

Principal Contributors: O. Chopra, Power Systems Branch, DSI  
J. Hopkins, Licensing Branch No. 4, DL

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UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-395

VIRGIL C. SUMMER NUCLEAR STATION, UNIT NO. 1

NOTICE OF ISSUANCE OF AMENDMENT TO

FACILITY OPERATING LICENSE NO. NPF-12

The U.S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 12 to Facility Operating License No. NPF-12, issued to South Carolina Electric & Gas Company and South Carolina Public Service Authority (the licensees) for the Virgil C. Summer Nuclear Station, Unit No. 1 (the facility) located in Fairfield County, South Carolina. The amendment changes the Technical Specifications to add a containment penetration conductor overcurrent protective device for the steam cleaning machine permanent power source. The amendment was effective as of its date of issuance.

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

The Commission has determined that the issuance of this amendment 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 this amendment.

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For further details with respect to this action, see (1) South Carolina Electric & Gas Company letter, dated December 17, 1982, (2) Amendment No. 12 to Facility Operating License No. NPF-12 with Appendix A Technical Specifications page change, 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. 20555 and the Fairfield County Library, Garden and Washington Streets, Winnsboro, South Carolina 29180. A copy of Amendment No. 12 may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 4<sup>th</sup> day of March 1983.

FOR THE NUCLEAR REGULATORY COMMISSION

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Elinor G. Adensam, Chief  
Licensing Branch No. 4  
Division of Licensing

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January 17, 1983

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Docket Nos: 50-395

MEMORANDUM FOR: Thomas M. Novak, Assistant Director  
for Licensing  
Division of Licensing

THRU: Elinor G. Adensam, Chief  
Licensing Branch No. 4  
Division of Licensing

FROM: Jon Hopkins, Project Manager  
Licensing Branch No. 4  
Division of Licensing

SUBJECT: ISSUANCE OF AMENDMENT NO. 12 TO FACILITY OPERATING  
LICENSE NPF-12, VIRGIL C. SUMMER NUCLEAR STATION,  
UNIT 1

Regarding the issuance of subject amendments, there is no known public  
correspondence or irreversible impact associated with this subject.

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Jon Hopkins, Project Manager  
Licensing Branch No. 4  
Division of Licensing

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March 4, 1983

AMENDMENT NO. 12 TO FACILITY OPERATING LICENSE NPF-12 - Virgil C. Summer Unit 1

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