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

November 13, 1984

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. 33 to Facility Operating  
Licensing NPF-12 Virgil C. Summer Nuclear Station,  
Unit No. 1

The Nuclear Regulatory Commission has issued Amendment No.33 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 January 18, 1984.

The amendment modifies the Technical Specifications to add additional containment penetration conductor overcurrent protection devices to Table 3.8.1. The amendment is effective as of its date of issuance.

A copy of the related safety evaluation supporting Amendment No.33 to Facility Operating License NPF-12 is enclosed.

Sincerely,

*Elinor G. Adensam*

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

Enclosures:

- 1. Amendment No. 33
- 2. Safety Evaluation

cc w/enclosure:  
See next page

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DESIGNATED OFFICIAL  
Certified By *[Signature]*

SUMMER

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South Carolina Electric & Gas Company  
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cc: Mr. Henry Cyrus  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

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. 33  
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 January 18, 1984, 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 changes to the Technical Specifications as indicated in the attachments to this license amendment and paragraph 2.C(2) of Facility Operating License No. NPF-12 is hereby amended to read as follows:

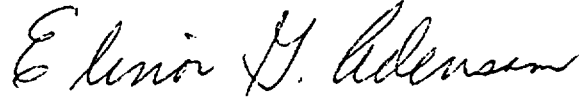
(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 33, are hereby incorporated into this license. South Carolina Electric & Gas Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION



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

Enclosure:  
Technical Specification Change

Date of Issuance: November 13, 1984

ATTACHMENT TO LICENSE AMENDMENT NO. 33

FACILITY OPERATING LICENSE NO. NPF-12

DOCKET NO. 50-395

Add the enclosed page to the Appendix "A" Technical Specifications. The page is identified by Amendment number and contains vertical lines indicating the areas of change.

New  
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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>
171) XVG 8811A - Recirculating Sump to RHR Pump	Primary	XMC1DA2Y/9IM	150 AMPS	≤ 200 sec.
"A" - Isolation Valve	Backup	XMC1DA2Y/9IM	150 AMPS	≤ 200 sec.
172) XVG 8811B - Recirculating Sump to RHR Pump	Primary	XMC1DB2Y/22CG	150 AMPS	≤ 200 sec.
"B" - Isolation Valve	Backup	XMC1DB2Y/22CG	150 AMPS	≤ 200 sec.
173) XVG 3004A-RB Sump Isolation Valve	Primary	XMC1DA2Y/17IM	225 AMPS	N/A
	Backup	XMC1DA2Y/17IM	45 AMPS	≤ 100 sec.
174) XVG 3004B-RB Sump Isolation Valve	Primary	XMC1DB2Y/2IM	225 AMPS	N/A
	Backup	XMC1DB2Y/2IM	45 AMPS	≤ 100 sec.

SUMMER - UNIT 1

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Amendment No. 33



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 33 TO FACILITY OPERATING LICENSE NPF-12

SOUTH CAROLINA ELECTRIC & GAS COMPANY  
SOUTH CAROLINA PUBLIC SERVICE AUTHORITY

I. INTRODUCTION

By letter dated January 18, 1984, South Carolina Electric and Gas Company (SCE&G) requested a change to Technical Specification Table 3.8-1, "Containment Penetration Conductor Overcurrent Protection Device Test Setpoint Criteria." The amendment would add the containment penetration conductor overcurrent protection devices for the reactor building sump isolation valves to Technical Specification Table 3.8-1.

II. EVALUATION

The staff has performed a review and has determined that containment penetration protection devices for the reactor building sump isolation valves should be included in Technical Specification Table 3.8-1.

The test setpoints and response times for the installed protective devices submitted for Technical Specification inclusion are in accordance with the manufacturer's specifications for their breakers. The response time specified as "N/A" for two of the breakers signifies an essentially instantaneous trip. These test setpoints and response times should provide the desired containment penetration protection. From the above, the staff concludes that the requested amendment is acceptable.

III. ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves 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 this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Sec 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 this amendment.

IV. CONCLUSION

The Commission made a proposed determination that the amendment involves

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no significant hazards consideration which was published in the Federal Register (49 FR 17873) on April 25, 1984, and consulted with the state of South Carolina. No public comments were received, and the state of South Carolina did not have any comments.

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

Principal Contributor: Jon B. Hopkins, Licensing Branch No. 4, DL  
Om P. Chopra, Power Systems Branch, DSI

Dated: November 13, 1984