



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555  
October 24, 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. 31 to Facility Operating  
License NPF-12 Virgil C. Summer Nuclear Station,  
Unit No. 1

The Nuclear Regulatory Commission has issued Amendment No. 31 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 March 22, 1984.

The amendment modifies the Technical Specifications to add additional valves to Table 3.8-2, "Motor Operated Valves Thermal Overload Protection and/or Bypass Devices" and to correct typographical errors in the same table. The amendment is effective as of its date of issuance.

A copy of the related safety evaluation supporting Amendment No. 31 to Facility Operating License NPF-12 is enclosed.

Sincerely,

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

Enclosures:

1. Amendment No. 31
2. Safety Evaluation

cc w/enclosure:  
See next page

DESIGNATED ORIGINAL

Certified By

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PDR

SUMMER

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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. 31  
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 March 22, 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. 31, 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

A handwritten signature in cursive script, reading "Elinor G. Adensam".

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

Enclosure:  
Technical Specification Changes

Date of Issuance: October 24, 1984

ATTACHMENT TO LICENSE AMENDMENT NO. 31

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 vertical lines indicating the areas of change.

Amended  
Page

3/4 8-61

3/4 8-62

# ELECTRICAL POWER SYSTEMS

<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>BYPASS DEVICE (YES/NO)</u>
XVG8808A - SI	ACCUMULATOR A ISOL VALVE	YES
XVG8808B - SI	ACCUMULATOR B ISOL VALVE	YES
XVG8808C - SI	ACCUMULATOR C ISOL VALVE	YES
XVG8809A - SI	RWST TO RHR Pp. A ISOL Vv.	NO
XVG8809B - SI	RWST TO RHR Pp. B ISOL Vv.	NO
XVG8811A - SI	RECIRC SUMP TO RHR Pp. A ISOL Vv.	YES
XVG8811B - SI	RECIRC SUMP TO RHR Pp. B ISOL Vv.	YES
XVG8812A - SI	RECIRC SUMP TO RHR Pp. A ISOL Vv.	YES
XVG8812B - SI	RECIRC SUMP TO RHR Pp. B ISOL Vv.	YES
XVG8884 - SI	HIGH HEAD TO HOT LEG INJECTION HEADER ISOL Vv.	NO
XVG8885 - SI	HIGH HEAD TO COLD LEG INJECTION HEADER ISOL Vv.	NO
XVG8886 - SI	HIGH HEAD TO HOT LEG INJECTION HEADER ISOL Vv.	NO
XVG8887A - SI	LOW HEAD INJ. TO HOT LEG RECIRC LINE Vv.	NO
XVG8887B - SI	LOW HEAD INJ. TO HOT LEG RECIRC. LINE Vv.	NO
XVG8888A - SI	LOW HEAD TO COLD LEG INJECTION ISOL Vv., RHR Pump A	NO
XVG8888B - SI	LOW HEAD TO COLD LEG CROSS TIE VALVE	NO
XVG8889 - SI	LOW HEAD TO HOT LEG INJECTION RECIRC LINE ISOL Vv.	NO
XVG3001A - SP	RWST TO RB SPRAY Pp. A SUCTION Vv.	YES
XVG3001B - SP	RWST TO RB SPRAY Pp. B SUCTION Vv.	YES
XVG3002A - SP	NAOH TANK TO RB SPRAY Pp. A SUCTION Vv.	YES
XVG3002B - SP	NAOH TANK TO RB SPRAY Pp. B SUCTION Vv.	YES
XVG3003A - SP	SPRAY HEADERS ISOL CIRC. A Vv.	YES
XVG3003B - SP	SPRAY HEADERS ISOL CIRC. B Vv.	YES
XVB3106A - SW	SW BOOSTER PUMP A DISCHARGE	YES
XVB3106B - SW	SW BOOSTER PUMP B DISCHARGE	YES
XVB3110A - SW	IND. COOLING TO A RB COOLERS	YES
XVB3110B - SW	IND. COOLING TO B RB COOLERS	YES
XVG3103A - SW	A COOLERS OUTLET	YES
XVG3103B - SW	B COOLERS OUTLET	YES
XVG3107A - SW	A COOLERS TO SW POND	YES
XVG3107B - SW	B COOLERS TO SW POND	YES
XVG3111A - SW	A RB COOLERS TO IND. COOLING	YES
XVG3111B - SW	B RB COOLERS TO IND. COOLING	YES
XVG3112A - SW	A RB COOLERS TO IND. COOLING	YES
XVG3112B - SW	B RB COOLERS TO IND. COOLING	YES
XVG3108A - SW	RB COOLER 1A INLET	YES
XVG3108B - SW	RB COOLER 2A INLET	YES
XVG3108C - SW	RB COOLER 1B INLET	YES
XVG3108D - SW	RB COOLER 2B INLET	YES
XVG3109A - SW	RB COOLER 1A OUTLET	YES
XVG3109B - SW	RB COOLER 2A OUTLET	YES
XVG3109C - SW	RB COOLER 1B OUTLET	YES
XVG3109D - SW	RB COOLER 2B OUTLET	YES

ELECTRICAL POWER SYSTEMS

<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>BYPASS DEVICE (YES/NO)</u>
XVG1001A-EF	SW LOOP A TO MOTOR DRIVEN EF Pp.	YES
XVG1001B-EF	SW LOOP B TO MOTOR DRIVEN EF Pp.	YES
XVG1002-EF	SW LOOP B TO TURBINE DRIVEN EF Pp.	YES
XVG1008-EF	SW LOOP A TO TURBINE DRIVEN EF Pp.	YES
XVG1037A-EF	SW LOOP A TO EF	YES
XVG1037B-EF	SW LOOP B TO EF	YES
FCV8701A-RH	RHR Pp. INLET A ISOL Vv.	YES
FCV8701B-RH	RHR Pp. INLET B ISOL Vv.	YES
FCV8702A-RH	RHR Pp. INLET A ISOL Vv.	YES
FCV8702B-RH	RHR Pp. INLET B ISOL Vv.	YES
XVG3004A-SP	RB SPRAY SUMP A ISOL Vv.	YES
XVG3004B-SP	RB SPRAY SUMP B ISOL Vv.	YES
XVG3005A-SP	RB SPRAY SUMP A ISOL Vv.	YES
XVG3005B-SP	RB SPRAY SUMP B ISOL Vv.	YES



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO.31 TO FACILITY OPERATING LICENSE NPF-12  
SOUTH CAROLINA ELECTRIC & GAS COMPANY  
SOUTH CAROLINA PUBLIC SERVICE AUTHORITY  
VIRGIL C. SUMMER NUCLEAR STATION, UNIT 1

I. INTRODUCTION

By letter dated March 22, 1984, South Carolina Electric and Gas Company (SCE&G) requested a change to Technical Specification Table 3.8-2, "Motor Operated Valves Thermal Overload Protection and/or Bypass Devices." The amendment would add additional motor operated valves and correct spelling errors.

II. EVALUATION

The additional motor operated valves are in the service water, residual heat removal, and reactor building spray systems. They are required to be listed based on an engineering review of Regulatory Guide 1.106, "Thermal Overload Protection for Electric Motors on Motor Operated Valves," and a comparison of the Technical Specification Table 3.8-2 with Final Safety Analysis Report Table 3.9-8, "Active Code Class 1, 2, and 3 Valves." The staff finds the addition of these motor operated valves acceptable. The staff reviewed the spelling corrections and finds them acceptable. Therefore, 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.

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#### IV. CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (49 FR 33370) on August 22, 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  
O. P. Chopra, Power Systems Branch, DSI

Dated: October 24, 1984

October 24, 1984

AMENDMENT NO. 31 TO FACILITY OPERATING LICENSE NO. NPF-12 - Virgil C. Summer Unit 1

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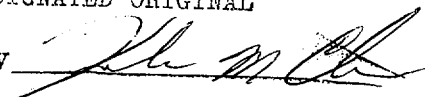
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