

August 24, 1988

Docket No. 50-424

Mr. W. G. Hairston, III  
Senior Vice President -  
Nuclear Operations  
Georgia Power Company  
P.O. Box 4545  
Atlanta, Georgia 30302

Dear Mr. Hairston:

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 10 to Facility Operating License No. NPF-68 for the Vogtle Electric Generating Plant, Unit 1. The amendment is being issued in response to your letter dated June 7, 1988.

The amendment modified the Technical Specifications to allow the surveillance of thermal overload protection bypass devices to be performed during plant conditions other than shutdown. The amendment is effective as of its date of issuance.

A copy of the related safety evaluation supporting Amendment No. 10 to Facility Operating License NPF-68 is enclosed.

Notice of issuance of the amendment will be included in the Commission's next bi-weekly Federal Register notice.

Sincerely,

/s/

Jon B. Hopkins, Project Manager  
Project Directorate II-3  
Division of Reactor Projects - I/II

Enclosures:

1. Amendment No. 10 to NPF-68
2. Safety Evaluation

cc w/enclosures:  
See next page

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MR000  
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Mr. W. G. Hairston, III  
Georgia Power Company

Vogtle Electric Generating Plant

cc:

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DATED: August 24, 1988

AMENDMENT NO. 10 TO FACILITY OPERATING LICENSE NPF-68 - Vogtle Electric  
Generating Plant, Unit 1

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

GEORGIA POWER COMPANY  
OGLETHORPE POWER CORPORATION  
MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA  
CITY OF DALTON, GEORGIA  
VOGTLE ELECTRIC GENERATING PLANT, UNIT 1  
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 10  
License No. NPF-68

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the Vogtle Electric Generating Plant, Unit 1 (the facility) Facility Operating License No. NPF-68 filed by the Georgia Power Company acting for itself, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia, (the licensees) dated June 7, 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, as amended, 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 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; 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.

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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-68 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 10 , and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into this license. GPC 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 and shall be implemented within 30 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

/s/

David B. Matthews, Director  
Project Directorate II-3  
Division of Reactor Projects

Attachment:  
Technical Specification Changes

Date of Issuance: August 24, 1988

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NRR:SELB  
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OGC-WF  
8/19/88

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8/24/88

ATTACHMENT TO LICENSE AMENDMENT NO. 10

FACILITY OPERATING LICENSE NO. NPF-68

DOCKET NO. 50-424

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 areas of change. The corresponding overleaf page is also provided to maintain document completeness.

Amended Page

3/4 8-21

Overleaf Page

3/4 8-22

## ELECTRICAL EQUIPMENT PROTECTIVE DEVICES

### SAFETY-RELATED MOTOR-OPERATED VALVES THERMAL OVERLOAD PROTECTION AND BYPASS DEVICES

#### LIMITING CONDITION FOR OPERATION

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3.8.4.2 The thermal overload protection bypass devices of each safety-related motor-operated valve given in Table 3.8-1 shall be OPERABLE.

APPLICABILITY: Whenever the motor-operated valve is required to be OPERABLE.

ACTION:

With the thermal overload protection bypass devices for any one or more safety-related motor-operated valves inoperable, declare the affected valve(s) inoperable and apply the appropriate ACTION Statement(s) of the affected valve(s).

#### SURVEILLANCE REQUIREMENTS

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4.8.4.2 The above required thermal overload protection bypass devices shall be verified to be OPERABLE.

- a. Following maintenance on the valve motor starter, and
- b. Following any periodic testing during which the thermal overload device was temporarily placed in force.
- c. At least once per 18 months.

TABLE 3.8-1

SAFETY-RELATED  
MOTOR OPERATED VALVES THERMAL OVERLOAD  
PROTECTION BYPASS DEVICES

<u>VALVE NUMBER</u>	<u>FUNCTION</u>
1HV-1668A	Nuclear Service Clg. Twr. A Return
1HV-1668B	Nuclear Service Clg. Twr. A Fans Bypass
1HV-1669A	Nuclear Service Clg. Twr. B Return
1HV-1669B	Nuclear Service Clg. Twr. B Fans Bypass
1HV-1806	CTMT Air Cool A7001/A7002 CW Inlet
1HV-1807	CTMT Air Cool A7003/A7004 CW Inlet
1HV-1808	CTMT Air Cool A7005/A7006 CW Inlet
1HV-1809	CTMT Air Cool A7007/A7008 CW Inlet
1HV-1822	CTMT Air Cool A7001/A7002 CW Outlet
1HV-1823	CTMT Air Cool A7003/A7004 CW Outlet
1HV-1830	CTMT Air Clr A7005/A7006 CW Outlet
1HV-1831	CTMT Air Clr A7007/A7008 CW Outlet
1HV-1974	Aux Comp CW Trn B Return Iso
1HV-1975	Aux Comp CW Trn A Return Iso
1HV-1978	Aux Comp CW Trn B Supply Iso
1HV-1979	Aux Comp CW Trn A Supply Iso
1HV-2041	Reactor Coolant Pumps Thermal Barrier ACCWS Outlet Header
1HV-2134	Reactor Cavity Clg Coil E7001 Inlet Iso
1HV-2135	Reactor Cavity Clg Coil E7002 Inlet Iso
1HV-2138	Reactor Cavity Clg Coil E7001 Outlet Iso
1HV-2139	Reactor Cavity Clg Coil E7002 Outlet Iso
1HV-12114	CR Outside Air Intake Iso
1HV-12115	CR Outside Air Intake Iso
1HV-12118	CB CR Filter Units N7001 Inlets
1HV-12119	CB CR Filter Units N7002 Inlets
1HV-12128	CB CR Filter Units N7001 Outlets
1HV-12129	CB CR Filter Units N7002 Outlets
1HV-12130	CB CR Return Air Fans B7005 Inlets
1HV-12131	CB CR Return Air Fans B7006 Inlets
1HV-12727	CB SR Battery Rm Exh B7002 Damper
1HV-12742	CB SF Battery Rm Exh B7001 Damper
1HV-12748	CB SF Battery Rm Exh B7003 Damper
1HV-12749	CB SF Battery Rm Exh B7004 Damper
1HV-19051	Thermal Barrier Cooling Wtr RCP 001
1HV-19053	Thermal Barrier Cooling Wtr RCP 002
1HV-19055	Thermal Barrier Cooling Wtr RCP 003
1HV-19057	Thermal Barrier Cooling Wtr RCP 004
1HV-8920	Safety-Injection Pump Miniflow Isolation
1HV-2624A	CTB Post LOCA Purge Exhaust Iso
1HV-2624B	CTB Post LOCA Purge Exhaust Iso
1HV-2626A	CTMT Bldg Norm Purge Supply Iso



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 10 TO FACILITY OPERATING LICENSE NPF-68

GEORGIA POWER COMPANY, ET AL.

DOCKET NO. 50-424

VOGTLE ELECTRIC GENERATING PLANT, UNIT 1

1.0 INTRODUCTION

By letter dated June 7, 1988, Georgia Power Company, et al., (the licensee) requested a change to the Technical Specifications for Vogtle Electric Generating Plant, (VEGP), Unit 1. The proposed change would change the Technical Specifications (TS) to allow the surveillance of thermal overload protection bypass devices to be performed during plant conditions other than shutdown.

2.0 EVALUATION

The proposed amendment would revise Technical Specification (TS) 4.8.4.2, "Safety-Related Motor-Operated Valves Thermal Overload Protection and Bypass Devices." The revision would change the surveillance requirement to verify that required thermal overload protection bypass devices are operable from "At least once per 18 months during shutdown" to "At least once per 18 months."

The requested change allows verification of safety-related valve motor operator thermal overload protection bypass devices to be performed during any mode of plant operation. The bypassing of the motor-operated valves thermal overload protection except during periodic testing ensures that the thermal overload protection will not prevent safety-related valves from performing their function. The surveillance requirements for demonstrating the bypassing of the thermal overload protection continuously are in accordance with Regulatory Guide (RG) 1.106, "Thermal Overload Protection for Electric Motors on Motor Operated Valves," Revision 1, March 1977. RG 1.106, Rev. 1, does not require that the surveillance be conducted during shutdown. Removal of the requirement for the surveillance to be performed during shutdown would allow greater scheduling flexibility.

The NRC staff has reviewed the licensee's request and finds that it is acceptable because RG 1.106, Rev. 1, does not require that the surveillance be conducted during shutdown.

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### 3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change in surveillance requirements. 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 exposure. The NRC staff has made a determination that the amendment involves no significant hazards consideration, and there has been no public comment on such finding. Accordingly, the amendment meets the eligibility criteria for 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 the amendment.

### 4.0 CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register on July 13, 1988 (53 FR 26523), and consulted with the state of Georgia. No public comments were received, and the state of Georgia did not have any comments.

The staff has 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, PDII-3/DRP-I/II

Dated: August 24, 1988