

Docket No. 50-366

FEB 04 1986

Mr. J. T. Beckham, Jr.  
Vice President - Nuclear Generation  
Georgia Power Company  
P. O. Box 4545  
Atlanta, Georgia 30302

Dear Mr. Beckham:

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The Commission has issued Amendment No. 61 to Facility Operating License No. NPF-5 for the Edwin I. Hatch Nuclear Plant, Unit No. 2. The amendment consists of changes to the Technical Specifications (TSs) in response to your application dated August 2, 1985.

The amendment revises the TSs to correct and clarify the hydrogen recombiner heater testing requirements.

A copy of the Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's Biweekly Federal Register Notice.

Sincerely,

Original signed by

George W. Rivenbark, Project Manager  
BWR Project Directorate #2  
Division of BWR Licensing

Enclosures:

1. Amendment No. 61
2. Safety Evaluation

cc w/enclosures:

See next page

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P PDR

Mr. J. T. Beckham, Jr.  
Georgia Power Company

Edwin J. Hatch Nuclear Plant,  
Units Nos. 1 and 2

cc:  
G. F. Trowbridge, Esq.  
Shaw, Pittman, Potts and Trowbridge  
1800 M Street, N.W.  
Washington, D.C. 20036

Mr. L. T. Gucwa  
Engineering Department  
Georgia Power Company  
P. O. Box 4545  
Atlanta, Georgia 30302

Mr. H. C. Nix, Jr., General Manager  
Edwin J. Hatch Nuclear Plant  
Georgia Power Company  
P. O. Box 442  
Baxley, Georgia 31513

Mr. Louis B. Long  
Southern Company Services, Inc.  
P. O. Box 2625  
Birmingham, Alabama 35202

Resident Inspector  
U.S. Nuclear Regulatory Commission  
Route 1, P. O. Box 279  
Baxley, Georgia 31513

Regional Administrator, Region II  
U.S. Nuclear Regulatory Commission,  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

Mr. Charles H. Badger  
Office of Planning and Budget  
Room 610  
270 Washington Street, S.W.  
Atlanta, Georgia 30334

Mr. J. Leonard Ledbetter, Commissioner  
Department of Natural Resources  
270 Washington Street, N.W.  
Atlanta, Georgia 30334

Chairman  
Appling County Commissioners  
County Courthouse  
Baxley, Georgia 31513



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

GEORGIA POWER COMPANY  
OGLETHORPE POWER CORPORATION  
MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA  
CITY OF DALTON, GEORGIA  
DOCKET NO. 50-366  
EDWIN I. HATCH NUCLEAR PLANT, UNIT NO. 2  
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 61  
License No. NPF-5

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Georgia Power Company, et al., (the licensee) dated August 2, 1985, 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 2.C.(2) of Facility Operating License No. NPF-5 is hereby amended to read as follows:

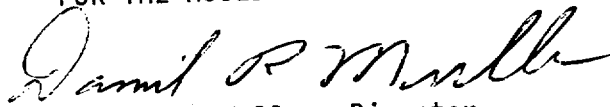
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Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 61, 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 its date of issuance and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION



Daniel R. Muller, Director  
BWR Project Directorate #2  
Division of BWR Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: February 4, 1986

ATTACHMENT TO LICENSE AMENDMENT NO. 61

FACILITY OPERATING LICENSE NO. NPF-5

DOCKET NO. 50-366

Replace the following pages of the Appendix "A" Technical Specifications with the attached pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change. The corresponding overleaf pages are also provided to maintain document completeness.

Remove  
3/4 6-43

Insert  
3/4 6-43

## CONTAINMENT SYSTEMS

### PRIMARY CONTAINMENT HYDROGEN RECOMBINER SYSTEMS

#### LIMITING CONDITION FOR OPERATION

3.6.6.2 Two independent primary containment hydrogen recombiter systems shall be OPERABLE.

APPLICABILITY: CONDITIONS 1 and 2.

#### ACTION

- a. With one hydrogen recombiter system inoperable, restore the inoperable system to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours. The provisions of Specification 3.0.4 are not applicable.
- b. With both hydrogen recombiter systems inoperable, be in at least HOT SHUTDOWN within 12 hours.

#### SURVEILLANCE REQUIREMENTS

4.6.6.2 Each hydrogen recombiter system shall be demonstrated OPERABLE:

- a. At least once per 6 months by verifying during a recombiter system functional test that the minimum heater sheath temperature increases to  $\geq 600^{\circ}\text{F}$  within 60 minutes and is maintained for at least 2 hours.
- b. At least once per 18 months by:
  1. Performing a CHANNEL CALIBRATION of all recombiter instrumentation and control circuits.
  2. Verifying through a visual examination that there is no evidence of abnormal conditions within the recombiners (i.e., loose wiring or structural connections, deposits of foreign materials, etc.)
  3. Verifying during a recombiter system functional test that the heater sheath temperature increases to  $\geq 1200^{\circ}\text{F}$  within 1.5 hours and is maintained between  $1150^{\circ}\text{F}$  and  $1300^{\circ}\text{F}$  for at least 4 hours.
  4. Verifying the integrity of all heater electrical circuits by performing a continuity and resistance to ground test following the above required functional test. The resistance to ground for any heater element shall be  $\geq 1.0 \times 10^6$  ohms.

## CONTAINMENT SYSTEMS

### PRIMARY CONTAINMENT HYDROGEN MIXING SYSTEM

#### LIMITING CONDITION FOR OPERATION

3.6.6.3 At least two drywell cooling systems fans shall be OPERABLE.

APPLICABILITY: CONDITIONS 1 and 2.

#### ACTION:

- a. With one of the above required drywell cooling system fans inoperable, restore at least two fans to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With no drywell cooling fans OPERABLE, be in at least HOT SHUTDOWN within 12 hours.

#### SURVEILLANCE REQUIREMENTS

4.6.6.3 Each of the above required drywell cooling system fans shall be demonstrated OPERABLE at least once per 92 days by verifying that:

- a. The fan can be started on operator action in the control room,
- b. The fan operates for at least 15 minutes, and
- c. Each fan is aligned to receive electrical power from an OPERABLE emergency bus.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 61 TO FACILITY OPERATING LICENSE NO NPF-5

GEORGIA POWER COMPANY  
OGLETHORPE POWER CORPORATION  
MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA  
CITY OF DALTON, GEORGIA

EDWIN I. HATCH NUCLEAR PLANT, UNIT NO. 2

DOCKET NO. 50-366

INTRODUCTION

By letter dated August 2, 1985, Georgia Power Company, et al, (the licensee) has proposed changes to Technical Specification 4.6.6.2.b.4 which will correct and clarify the present hydrogen recombiner heater testing requirements. The present specification specifies a value of 100 megohms (i.e.,  $100 \times 10^6$  ohms) as the electrical resistance criterion for demonstrating heater integrity and recombiner operability. According to vendor instructions, this value is not specific to the heaters, but rather to heater cabling. The vendor recommended heater resistance to ground specification is instead 1.0 megohm. The proposed changes to 4.6.6.2.b.4 clarify this fact by substituting the word "element" for "phase" as well as specifying the correct resistance value.

EVALUATION

We have evaluated the proposed Technical Specification change request and find that it corrects and clarifies the testing requirements to make them more consistent with the vendor specifications. Consequently, we find the proposed change acceptable.

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### ENVIRONMENTAL CONSIDERATION

This amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. We have 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 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 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.

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

Dated: February 4, 1986

Principal Contributor: J. Lane