

February 24, 1994

Docket Nos. 50-321
and 50-366

Mr. J. T. Beckham, Jr.
Vice President - Plant Hatch
Georgia Power Company
P. O. Box 1295
Birmingham, Alabama 35201

DISTRIBUTION

Docket File
NRC/Local PDRs
PDII-3 READING
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OPA
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OGC

Dear Mr. Beckham:

SUBJECT: ISSUANCE OF AMENDMENTS - EDWIN I. HATCH NUCLEAR PLANT,
UNITS 1 AND 2 (TAC NOS. M88246 AND M88247)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 191 to Facility Operating License DPR-57 and Amendment No.130 to Facility Operating License NPF-5 for the Edwin I. Hatch Nuclear Plant, Units 1 and 2. The amendments consist of changes to the Technical Specifications (TS) in response to your application dated October 19, 1993.

The amendments revise both the surveillance requirements of Unit 1 TS 3.9.D and Unit 2 TS 3/4.8.2, "Electrical Power Monitoring for Reactor Protection System," to add time delays to the reactor protection system electrical power monitoring trips.

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

Sincerely,

ORIGINAL SIGNED BY:
Kahtan N. Jabbour, Project Manager
Project Directorate II-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 191 to DPR-57
2. Amendment No. 130 to NPF-5
3. Safety Evaluation

cc w/enclosures:

See next page

OFFICE	PDII-3/LA	PDII-3/PM	OGC	PDII-3/D	
NAME	L. BERRY	K. JABBOUR	C. MARCO	L. PLISCO	
DATE	2/15/94	2/15/94	2/17/94	2/24/94	

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P PDR

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CP

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

Edwin I. Hatch Nuclear Plant

cc:

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

GEORGIA POWER COMPANY

OGLETHORPE POWER CORPORATION

MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA

CITY OF DALTON, GEORGIA

DOCKET NO. 50-321

EDWIN I. HATCH NUCLEAR PLANT, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 191
License No. DPR-57

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment to the Edwin I. Hatch Nuclear Plant, Unit 1 (the facility) Facility Operating License No. DPR-57 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 October 19, 1993, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations as 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 set forth in 10 CFR Chapter I;
 - 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.

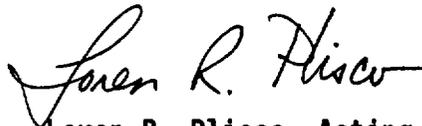
2. Accordingly, the license is hereby amended by page changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-57 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 191, 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 60 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Loren R. Plisco, Acting Director
Project Directorate II-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Technical Specification
Changes

Date of Issuance: February 24, 1994



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

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 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 130
License No. NPF-5

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment to the Edwin I. Hatch Nuclear Plant, Unit 2 (the facility) Facility Operating License No. NPF-5 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 October 19, 1993, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations as 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 set forth in 10 CFR Chapter I;
 - 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.

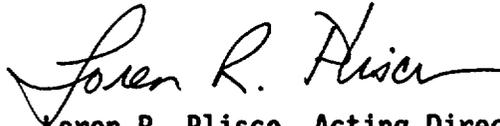
2. Accordingly, the license is hereby amended by page changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-5 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 130, 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 60 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Loren R. Plisco, Acting Director
Project Directorate II-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Technical Specification
Changes

Date of Issuance: February 24, 1994

ATTACHMENT TO LICENSE AMENDMENT NO. 191

FACILITY OPERATING LICENSE NO. DPR-57

DOCKET NO. 50-321

AND

TO LICENSE AMENDMENT NO. 130

FACILITY OPERATING LICENSE NO. NPF-5

DOCKET NO. 50-366

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the areas of change.

	<u>Remove Pages</u>	<u>Insert Pages</u>
Unit 1	3.9-6a	3.9-6a
Unit 2	3/4 8-24	3/4 8-24

C. Diesel Generator Requirements (Reactor in the Shutdown or Refuel Mode)
(Continued)

1. Work is being done which has the potential for draining the reactor pressure vessel, or
2. Secondary containment is required, or
3. A core or containment cooling system is required.

D. Electric Power Monitoring for the Reactor Protection System

Specifications:

1. When either of the RPS MG sets or the Alternate Source is in service, its power monitoring system shall be OPERABLE.
 - (a) If the power monitoring system is not OPERABLE and Operability cannot be restored within 30 minutes of discovery, remove the power supply from service immediately thereafter.
 - (b) One channel of a power monitoring system may be inoperable, as necessary for test or maintenance, not to exceed 8 hours per month.

4.9.D. Electric Power Monitoring for Reactor Protection System

Specifications:

1. The Electric Power Monitoring for the Reactor Protection System shall be demonstrated operable:
 - (a) At least one per 6 months by performing a FUNCTIONAL TEST,
 - (b) At least once per operating cycle by demonstrating the OPERABILITY of under-voltage, over-voltage and under-frequency protective instrumentation by performance of a CHANNEL CALIBRATION including simulated automatic actuation of the protective relays, tripping logic and output circuit breakers and verifying the following setpoints:
 - (1) Over-voltage ≤ 132 VAC, with time delay relay set to 4 seconds maximum,
 - (2) Under-voltage ≥ 108 VAC, with time delay relay set to 4 seconds maximum,
 - (3) Under-frequency ≥ 57 Hz, with time delay relay set to 4 seconds maximum.

ELECTRICAL POWER SYSTEMS

3/4.8.2 ONSITE POWER DISTRIBUTION SYSTEMS

ELECTRIC POWER MONITORING FOR REACTOR PROTECTION SYSTEM

LIMITING CONDITION FOR OPERATION

3.8.2.7 The power monitoring system for a RPS MG set or the Alternate Source shall be OPERABLE if in service.

APPLICABILITY: At all times.

ACTION:

With the power monitoring system for a RPS MG set or the Alternate Source inoperable, restore the inoperable power monitoring system to OPERABLE status within 30 minutes or remove the RPS MG set or Alternate Source associated with the inoperable power monitoring system from service.

One channel of a power monitoring system may be inoperable, as necessary for test or maintenance, not to exceed 8 hours per month.

SURVEILLANCE REQUIREMENTS

4.8.2.7 The above specified RPS power monitoring system instrumentation shall be determined OPERABLE:

- a. At least once per 6 months by performing a FUNCTIONAL TEST;
and
- b. At least once per operating cycle by demonstrating the OPERABILITY of over-voltage, under-voltage and under-frequency protective instrumentation by performance of a CHANNEL CALIBRATION including simulated automatic actuation of the protective relays, tripping logic and output circuit breakers and verifying the following setpoints.
 1. Over-voltage \leq 132 VAC, with time delay relay set to 4 seconds maximum,
 2. Under-voltage \geq 108 VAC, with time delay relay set to 4 seconds maximum, and
 3. Under-frequency \geq 57 Hz, with time delay relay set to 4 seconds maximum.



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 191 TO FACILITY OPERATING LICENSE DPR-57
AND AMENDMENT NO. 130 TO FACILITY OPERATING LICENSE NPF-5
GEORGIA POWER COMPANY, ET AL.
EDWIN I. HATCH NUCLEAR PLANT, UNITS 1 AND 2
DOCKET NOS. 50-321 AND 50-366

1.0 INTRODUCTION

By letter dated October 19, 1993, Georgia Power Company, et al. (the licensee), proposed license amendments to change the Technical Specifications (TS) for the Edwin I. Hatch Nuclear Plant, Units 1 and 2. The proposed changes would allow a time delay for tripping the electric power supply to the reactor protection system (RPS) buses by the electric power monitoring (EPM) system. The time delay would allow an under-voltage, over-voltage, and under-frequency condition to exist up to 4 seconds. The present TS for Units 1 and 2 does not require a time delay for the under-voltage, over-voltage and under-frequency trips.

2.0 EVALUATION

The RPS buses supply power to the logic for several engineered safety feature (ESF) systems. The EPM system trips are provided to disconnect the RPS loads from the primary or alternate power sources in the event of a sustained over-voltage, under-voltage, and under-frequency condition. However, because a small perturbation in voltage or frequency can result in a trip of the power supply and cause unnecessary ESF actuation, the licensee is proposing to add a time delay to the trip of the power supply. Such an event occurred at Hatch Unit 1 on May 17, 1992. The General Electric (GE) Company has performed an analysis for the Hatch plant and determined that a 4-second maximum time delay would adequately protect against inadvertent trips from small perturbation and also assure equipment integrity. The staff has previously reviewed the GE analysis for other plants, and found it acceptable. A maximum time delay of 4 seconds has been included in the design of the majority of plants similar to Hatch, as well as, in the BWR-5s and BWR-6s.

The proposed change to the TS to allow a maximum of 4 seconds time delay for tripping the power supply to the RPS buses by the EPM system would increase the stability of the power source and prevent premature and spurious trips from occurring during switching operations. Furthermore, it will not damage the electrical components subjected to this time delay. Therefore, the staff finds the proposed time delay acceptable.

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3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Georgia State official was notified of the proposed issuance of the amendments. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

The amendments change a requirement with respect to the installation or use of facility components located within the restricted area as defined in 10 CFR Part 20. The NRC staff has determined that the amendments involve 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 amendments involve no significant hazards consideration, and there has been no public comment on such finding (58 FR 67846 dated December 22, 1993). Accordingly, the amendments meet 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 amendments.

5.0 CONCLUSION

The Commission 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, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: H. Garg

Date: February 24, 1994