

March 10, 1993

Docket No. 50-366

Mr. W. G. Hairston, III
Senior Vice President -
Nuclear Operations
Georgia Power Company
P. O. Box 1295
Birmingham, Alabama 35201

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Dear Mr. Hairston:

SUBJECT: ISSUANCE OF AMENDMENT - EDWIN I. HATCH NUCLEAR PLANT,
UNIT 2 (TAC NO. M85294)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 124 Facility Operating License NPF-5 for the Edwin I. Hatch Nuclear Plant, Unit 2. The amendment consists of changes to the Technical Specifications (TS) in response to your application dated November 10, 1992.

The amendment would temporarily revise Hatch Unit 2 TS 3.6.6.1 regarding the operability of Hatch Unit 1 standby gas treatment system.

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,

/s/

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

Enclosures:

1. Amendment No.124 to NPF-5
2. Safety Evaluation

cc w/enclosures:
See next page

OFC	PDII-3/LA	PDII-3/PM	OGC	PDII-3/D	SCSB
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DATE	2/3/93	2/4/93	3/5/93	3/10/93	2/23/93

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
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Senior Vice President -
Nuclear Operations
Georgia Power Company
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Kahtan N. Jabbour

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

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See next page

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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

DOCKET NO. 50-366

EDWIN I. HATCH NUCLEAR PLANT, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 124
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 November 10, 1992, 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.

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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. 124, 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.

FOR THE NUCLEAR REGULATORY COMMISSION



David B. Matthews, Director
Project Directorate II-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Technical Specification
Changes

Date of Issuance: March 10, 1993

ATTACHMENT TO LICENSE AMENDMENT NO. 124

FACILITY OPERATING LICENSE NO. NPF-5

DOCKET NO. 50-366

Replace the following pages 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.

Remove Page

3/4 6-40

Insert Page

3/4 6-40

CONTAINMENT SYSTEMS

3/4.6.6 CONTAINMENT ATMOSPHERE CONTROL

STANDBY GAS TREATMENT SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.6.1 Two Hatch-Unit 2 independent standby gas treatment subsystems and two Hatch-Unit 1 independent standby gas treatment subsystems shall be OPERABLE.

APPLICABILITY: CONDITIONS 1, 2, 3, and *.

ACTION:

- a. With one of the above required standby gas treatment subsystems inoperable, restore the inoperable subsystem to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- b. With two or more of the above required standby gas treatment subsystems inoperable, be in at least HOT SHUTDOWN within 12 hours and in COLD SHUTDOWN within the next 24 hours, except as allowed by Action c.
- c. With both of the Hatch-Unit 1 independent standby gas treatment subsystems inoperable for installation of the Unit 1 torus hardened vent, Unit 2 operation may continue for a cumulative total of up to 7 days provided all of the following requirements are met:
 1. Prior to removing either Unit 1 standby gas treatment subsystem from service, demonstrate that a negative pressure can be maintained in the Unit 2 secondary containment and the Unit 1 modified secondary containment under the following conditions:
 - The Unit 1 secondary containment is in the modified mode.
 - Both Unit 2 standby gas treatment subsystems are aligned with suction from both of the subject areas and are operating with each filter train flow rate not more than 4000 cfm.
 - Calm wind conditions (< 5 mph) exist.
 2. Maintain both Unit 2 standby gas treatment subsystems OPERABLE.
 3. Maintain Unit 2 secondary containment integrity, except for Unit 1 standby gas treatment system OPERABILITY requirements.
 4. Maintain Unit 1 modified secondary containment integrity, except for Unit 1 standby gas treatment system OPERABILITY requirements.
 5. Allow no Unit 1 CORE ALTERATIONS.
 6. Allow no handling of irradiated fuel or spent fuel shipping casks in the modified Unit 1 secondary containment.

If both Unit 1 standby gas treatment subsystems are not restored to OPERABLE status within the allowable cumulative time period of 7 days, or if any of the above requirements cannot be met, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

SURVEILLANCE REQUIREMENTS

4.6.6.1.1 Each Hatch-Unit 2 standby gas treatment subsystem shall be demonstrated OPERABLE:

- a. By initiating, from the control room, flow through the HEPA filters and charcoal adsorbers and verifying that the system operates for at least a total of 10 hours each 31 days with the heaters on automatic control.
- b. At least once per 18 months or (1) after any structural maintenance on the HEPA filter or charcoal adsorber housings, or (2) following painting, fire or chemical release in any ventilation zone communicating with the system by:
 1. Verifying that the cleanup system satisfies the in-place testing acceptance criteria and uses the test procedures of Regulatory Positions C.5.a, C.5.c and C.5.d of Regulatory Guide 1.52, Revision 1, July 1976, and the system flow rate is $4000 \pm 0, -1000$ cfm.
 2. Verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 1, July 1976, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 1, July 1976.

*When performing inservice hydrostatic or leak testing with the reactor coolant temperature above 212°F.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 124 TO FACILITY OPERATING LICENSE NPF-5
GEORGIA POWER COMPANY, ET AL.
EDWIN I. HATCH NUCLEAR PLANT, UNIT 2
DOCKET NO. 50-366

1.0 INTRODUCTION

By letter dated November 10, 1992, Georgia Power Company, et al. (the licensee), proposed a temporary revision to the Technical Specifications (TS) for the Edwin I. Hatch Nuclear Plant, Unit 2. The proposed temporary revision to Hatch Unit 2 TS 3.6.6.1 concerns the operability of Hatch Unit 1 standby gas treatment system (SGTS). This temporary revision will allow both subsystems of the Unit 1 SGTS to be simultaneously inoperable for a cumulative total of up to 7 days during Unit 2 power operation for the purpose of installing the torus hardened vent pursuant to the recommendations of NRC Generic Letter (GL) 89-16, "Installation of a Hardened Wetwell Vent."

2.0 EVALUATION

As a result of the NRC Mark I containment Performance Improvement Program, NRC GL 89-16 encouraged licensees to install a hardened wetwell vent under the provisions of 10 CFR 50.59. By letter dated October 24, 1989, the licensee informed the NRC that both Plant Hatch units would install hardened vents.

Unit 2 TS requires the operability of two Unit 2 SGTS subsystems and two Unit 1 SGTS subsystems. This is based on a Unit 2 design basis accident (DBA) loss-of-coolant accident (LOCA) and takes into consideration the secondary containment (SC) design for the two units. Following a DBA LOCA on Unit 2, it is postulated a certain amount of leakage will occur out of the Unit 2 primary containment. Some of this leakage will go into the Unit 2 reactor building area, and some will go up through the shield blocks above the Unit 2 primary containment into the Unit 1 and Unit 2 common area above the refueling floor. Therefore, to contain and treat the radioactive gases postulated to leak out of the Unit 2 primary containment, the SGTS must be able to simultaneously maintain a negative pressure in the SC of both units. Four operable SGTS subsystems can fulfill this requirement given the single failure of one of the subsystems. If one of the four subsystems is inoperable, a 7-day limiting condition for operation (LCO) is entered per Action a of TS 3.6.6.1. If two of the four subsystems are inoperable, immediate shutdown is required by Action b of TS 3.6.6.1. Safe Unit 2 operation can be met with only the two Unit 2 SGTS subsystems operable by taking advantage of a Unit 1 TS which allows reconfiguration of the Unit 1 SC.

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Unit 1 TS 3.7.C.2 provides for a reconfiguration of the Unit 1 SC referred to as modified Unit 1 SC. In the modified SC mode, the Unit 1 reactor building area is segregated from the Unit 1 and Unit 2 common area above the refueling floor such that these two air volumes do not communicate. In this configuration, given a Unit 2 DBA LOCA, the SGTS is only required to maintain a negative pressure in the Unit 2 reactor building area and the Unit 1 and Unit 2 common area above the refueling floor. Two of the four SGTS subsystems can maintain a negative pressure in these areas.

During the time when both Unit 1 SGTS subsystems are inoperable for installation of the containment hardened vents, the Unit 1 SC will be maintained in the modified configuration per Unit 1 TS 3.7.C.2, and both Unit 2 SGTS subsystems will be maintained operable.

Furthermore, the licensee stated that to provide a greater level of safety, several compensatory measures will be taken during the time when both Unit 1 SGTS subsystems are inoperable for the installation of the containment vent.

Based on its review, the staff finds that the revision to TS 3.6.6.1 has no adverse impact on safety and does not pose an undue risk to public health and safety. Therefore, it is acceptable.

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 amendment changes 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 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 (58 FR 6997 dated February 3, 1993). 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.

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

Principal Contributor: K. Jabbour

Date: March 10, 1993