

11/23/79

Docket No. 50-366

Mr. Charles F. Whitmer  
Vice President - Engineering  
Georgia Power Company  
P. O. Box 4545  
Atlanta, Georgia 30302

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OI&E (5)

Dear Mr. Whitmer:

The Commission has issued the enclosed Amendment No. 13 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 in response to your application dated July 27, 1979, as amended October 2, 1979.

This amendment relates to inoperable suppression chamber to drywell vacuum breakers which are known to be closed and would permit (1) continued operation and startup with up to two vacuum breakers inoperable and (2) continued operation with three inoperable vacuum breakers provided the remaining vacuum breakers are demonstrated operable at an increased frequency.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

Thomas A. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

**Enclosures:**

- 1. Amendment No. 13
- 2. Safety Evaluation
- 3. Notice

cc w/enclosures:  
see next page

**REGULATORY DOCKET FILE COPY**

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\*SEE PREVIOUS YELLOW FOR CONCURRENCES

OFFICE	ORB#3	ORB#3	STSG	AD/ORP/DOR	OELD	ORB#3
SURNAME	*SSheppard	*JHannon:ar	*BBottimore	*RReid for WGammill	*Karman	*Tippolito
DATE	11/20/79	11/20/79	11/21/79	11/21/79	11/23/79	11/21/79

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Mr. Charles F. Whitmer  
Vice President - Engineering  
Georgia Power Company  
P. O. Box 4545  
Atlanta, Georgia 30302

Dear Mr. Whitmer:

The Commission has issued the enclosed Amendment No. 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 in response to your application dated July 27, 1979, as amended October 12, 1979.

This amendment relates to inoperable suppression chamber to drywell vacuum breakers which are known to be closed and would permit continued operation with (1) up to two vacuum breakers inoperable until the next COLD SHUTDOWN and (2) three inoperable vacuum breakers until the next HOT SHUTDOWN of the reactor.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

Thomas A. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

Enclosures:

1. Amendment No.
2. Safety Evaluation
3. Notice

cc w/enclosures:  
See next page

OFFICE	ORB #3	ORB #3	STSG	AD:ORB	OELD	ORB #3
SURNAME	SSheppard	JHannon:mjf	<i>B. Hannon</i>	WGammill	<i>K. R. ...</i>	Tippolito
DATE	11/20/79	11/20/79	11/21/79	11/21/79	11/23/79	11/21/79

Mr. Charles F. Whitmer  
Georgia Power Company

cc:

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Appling County Commissioners  
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Georgia Power Company  
Edwin I. Hatch Plant  
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Baxley, Georgia 31513

U. S. Environmental Protection  
Agency  
Region IV Office  
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Atlanta, Georgia 30308

Appling County Public Library  
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Baxley, Georgia 31513

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U. S. Nuclear Regulatory Commission  
P. O. Box 710  
Baxley, Georgia 31513

Director, Technical Assessment  
Division  
Office of Radiation Programs (AW 459)  
US EPA  
Crystal Mall #2  
Arlington, Virginia 20460



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

GEORGIA POWER COMPANY  
OGLETHORPE ELECTRIC MEMBERSHIP CORPORATION  
MUNICIPAL ELECTRIC ASSOCIATION OF GEORGIA  
CITY OF DALTON, GEORGIA

EDWIN I. HATCH NUCLEAR PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 13  
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 July 27, 1979 as amended October 2, 1979, 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:
  - (2) The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 13, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, except that for the first cycle of Hatch 2 operation the

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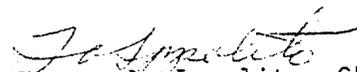
end of the current surveillance period for the Surveillance Requirements listed below may be extended beyond the time limit specified by Technical Specification 4.0.2.a until March 30, 1980. After this date, the provisions of Technical Specification 4.0.2.a shall apply.

Specifications Listed

4.0.5  
4.1.5.c  
4.3.1.3  
4.3.2.3  
4.3.6.2.1  
4.4.1.1.  
4.5.3.1.d  
4.6.1.2.d  
4.6.3  
4.6.6.1.1.b  
4.6.6.1.1.d  
4.6.6.2.b  
4.7.4.4  
4.7.6.1.d  
4.7.6.1.g  
4.7.6.1.2.c  
4.7.6.1.3.c  
4.7.6.2.b  
4.7.6.2.c  
4.7.6.3.b  
4.7.6.4.c  
4.7.7.a  
4.8.1.1.2.c  
4.8.1.1.3.c  
4.8.2.3.2.c  
4.8.2.3.2.d  
4.8.2.6.1.a

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Thomas A. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: November 23, 1979

ATTACHMENT TO LICENSE AMENDMENT NO. 13

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 area of change.

Remove

3/4 6-33  
3/4 6-34

Insert

3/4 6-33  
3/4 6-34

CONTAINMENT SYSTEMS

3/4.6.4 VACUUM RELIEF

SUPPRESSION CHAMBER - DRYWELL VACUUM BREAKERS

LIMITING CONDITION FOR OPERATION

3.6.4.1 All suppression chamber - drywell vacuum breakers shall be OPERABLE and closed with:

- a. A total leakage between the suppression chamber and the drywell of less than the equivalent leakage through a 1 inch diameter orifice at a differential pressure of 1 psi,
- b. The redundant position indicators OPERABLE, and
- c. An opening set point of  $\pm$  0.5 psid.

APPLICABILITY: CONDITIONS 1, 2 and 3.

ACTION:

- a. With up to two suppression chamber - drywell vacuum breakers inoperable for opening but known to be closed, the provisions of Specification 3.0.4 are not applicable and operation may continue provided Surveillance Requirement 4.6.4.1.a is performed on the OPERABLE vacuum breakers within 2 hours and at least once per 15 days thereafter. Otherwise, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- b. With three suppression chamber - drywell vacuum breakers inoperable for opening but known to be closed, operation may continue provided Surveillance Requirement 4.6.4.1.a is performed on the OPERABLE vacuum breakers within 2 hours and at least once per 15 days thereafter. Otherwise, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- c. With four suppression chamber - drywell vacuum breakers inoperable for opening but known to be closed, restore at least one inoperable vacuum breaker to OPERABLE status within 72 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

## CONTAINMENT SYSTEMS

### LIMITING CONDITION FOR OPERATION (Continued)

#### ACTION (Continued)

- d. With one suppression chamber - drywell vacuum breaker open, operation may continue provided Surveillance Requirement 4.6.4.1.a is performed on the OPERABLE vacuum breakers and Surveillance Requirement 4.6.4.1.b is performed within 2 hours and at least once per 72 hours thereafter. Otherwise, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- e. With one position indicator of any suppression chamber - drywell vacuum breaker inoperable, operation may continue in OPERATIONAL CONDITIONS 1, 2 and/or 3 until the next COLD SHUTDOWN provided Surveillance Requirement 4.6.4.1.b is performed within 4 hours and at least once per 15 days thereafter. Otherwise, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

#### SURVEILLANCE REQUIREMENTS

4.6.4.1 Each suppression chamber - drywell vacuum breaker shall be demonstrated OPERABLE:

- a. At least once per 31 days and within 2 hours after any discharge of steam to the suppression chamber from the safety/relief valves, by cycling each vacuum breaker through at least one test cycle and verifying that each vacuum breaker is closed.
- b. Whenever a vacuum breaker is in the open position, by conducting a test that verifies that the differential pressure is maintained  $> 0.5$  psi for one hour without makeup.
- c. At least once per 18 months during shutdown by:
  - 1. Verifying the opening setpoint, from the closed position, to be  $\leq 0.5$  psid,
  - 2. Performance of a CHANNEL CALIBRATION that verifies that each position indicator indicates the vacuum breaker to be open if the vacuum breaker does not satisfy the  $\Delta P$  test in 4.6.4.1.b, and
  - 3. Conducting a leak test at an initial differential pressure of 1 psi and verifying that the differential pressure does not decrease by more than 0.25 inches of water per minute for a 10 minute period.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 13 TO FACILITY OPERATING LICENSE NO. NPF-5

GEORGIA POWER COMPANY  
OGLETHORPE ELECTRIC MEMBERSHIP CORPORATION  
MUNICIPAL ELECTRIC ASSOCIATION OF GEORGIA  
CITY OF DALTON, GEORGIA

EDWIN I. HATCH NUCLEAR PLANT, UNIT NO. 2

DOCKET NO. 50-366

INTRODUCTION

By letter dated July 27, 1979 as amended by letter dated October 2, 1979, Georgia Power Company (licensee) requested a change to the Technical Specifications for Hatch Nuclear Plant Unit No. 2. The proposed change relates to inoperable suppression chamber to drywell vacuum breakers which are known to be closed and would permit (1) continued operation and startup with up to two vacuum breakers inoperable and (2) continued operation with three inoperable vacuum breakers provided the remaining vacuum breakers are demonstrated operable at an increased frequency. The licensee's submittal indicated that maintenance on these vacuum breakers cannot be performed safely in the HOT SHUTDOWN CONDITION. Therefore, the change was requested to minimize unnecessary burdens on plant operation which would require the plant to go to COLD SHUTDOWN for repair of any inoperable vacuum breakers each time the reactor is shutdown.

EVALUATION

We have reviewed the licensee's request and determined that the request is acceptable on the following basis.

Vacuum in the drywell is relieved by 12 vacuum breakers between the drywell and the suppression chamber. As stated in the HNP-2 FSAR (Section 6.2.1.2.1.6.1) the vacuum relief capacity should be no less than one sixteenth of the total main vent cross sectional area. Accordingly, the FSAR supports continued operation with 9 operable valves and 3 inoperable valves which are known to be closed. Therefore, the current Specifications authorize continued operation under these conditions and do not require initiation of reactor shutdown to affect repairs of the inoperable valves.

The staff requires that repair to such inoperable components be made at the earliest practicable opportunity. With one or two inoperable vacuum breakers the vacuum relief capacity is adequate such that the failure of a single active component can be tolerated without compromising the relief capacity. Accordingly, we agree with the licensee that the current Specifications which would require the unit to go to COLD SHUTDOWN to repair one or two inoperable valves places an unnecessary burden on plant operations, and that reactor startup with up to two inoperable vacuum breakers should be permitted.

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Based on the above, we find the licensee's request to be acceptable. Further, we have determined that this finding will be incorporated into the staff's Standard Technical Specifications for Boiling Water Reactors (NUREG-0123). Consequently for consistency, we have developed a wording of the Specifications which differs from that proposed by the licensee. This revised wording was discussed with the licensee and he agrees.

#### ENVIRONMENTAL CONSIDERATIONS

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and pursuant to 10 CFR Section 51.5(d)(4) that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of the amendment.

#### CONCLUSIONS

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) 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: November 23, 1979

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-366

GEORGIA POWER COMPANY, ET AL.

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY

OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 13 to Facility Operating License No. NPF-5, issued to Georgia Power Company, Oglethorpe Electric Membership Corporation, Municipal Electric Association of Georgia, and City of Dalton, Georgia, which revised Technical Specifications for operation of the Edwin I. Hatch Nuclear Plant, Unit No. 2 (the facility) located in Appling County, Georgia. The amendment is effective as of its date of issuance.

This amendment relates to inoperable suppression chamber to drywell vacuum breakers which are known to be closed and would permit (1) continued operation and startup with up to two vacuum breakers inoperable and (2) continued operation with three inoperable vacuum breakers provided the remaining vacuum breakers are demonstrated operable at an increased frequency.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR Section 51.6 d)(4) an environmental impact statement, or negative statement, and an environmental impact appraisal need not be prepared for the issuance of this amendment.

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For further details with respect to this action, see (1) the application for amendment dated July 27, 1979 as amended October 2, 1979, (2) Amendment No. 13 to License No. NPF-5, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. and at the Appling County Public Library, Parker Street, Baxley, Georgia 31513. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this 23rd day of November 1979.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Thomas A. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors