

February 25, 1987

Docket No. 50-366

Mr. James P. O'Reilly
Senior Vice President - Nuclear Operations
Georgia Power Company
P. O. Box 4545
Atlanta, Georgia 30302

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Dear Mr. O'Reilly:

The Commission has issued the enclosed Amendment No. 74 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 August 19, 1986.

The amendment revises the dummy load profiles which may be used for surveillance testing of station batteries.

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

Sincerely,

Original signed by

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

Enclosures:

1. Amendment No. 74 to NPF-5
2. Safety Evaluation

cc w/enclosures:
See next page

DBL:PD#2
SNorris
2/2/87

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Mr. J. P. O'Reilly
Georgia Power Company

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

cc:

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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 NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 74
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 19, 1986 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:

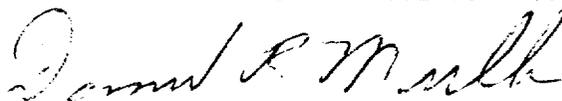
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(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No.74 , 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 of issuance.

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 25, 1987

ATTACHMENT TO LICENSE AMENDMENT NO. 74

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 areas are indicated by marginal lines.

Remove

3/4 8-14

3/4 8-15

Insert

3/4 8-14

3/4 8-15

3/4 8-15a

ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

2. The pilot cell specific gravity, corrected to 77°F, is ≥ 1.205 ,
 3. The pilot cell voltage is ≥ 2.0 volts, and
 4. The overall battery voltage is ≥ 120 volts.
- b. At least once per 92 days by verifying that:
1. The voltage of each connected cell is ≥ 2.0 volts under float charge and has not decreased more than 0.17 volts from the value observed during the original acceptance test,
 2. The specific gravity, corrected to 77°F, of each connected cell is ≥ 1.205 and has not decreased more than 0.02 from the value observed during the previous test, and
 3. The electrolyte level of each connected cell is between the minimum and maximum level indication marks.
- c. At least once per 18 months by verifying that:
1. The cells, cell plates and battery racks show no visual indication of physical damage or abnormal deterioration,
 2. The cell-to-cell and terminal connections are clean, tight, free of corrosion and coated with anti-corrosion material, and
 3. The battery charger will supply at least 400 amperes at a minimum of 129 volts for at least 4 hours.
- d. At least once per 18 months, during shutdown, by verifying that either:
1. The battery capacity is adequate to supply and maintain in OPERABLE status all of the actual emergency loads for 2 hours when the battery is subjected to a battery service test, or
 2. The battery capacity is adequate to supply a dummy load of the applicable profile given in Figure 3.8.2.3-1 while maintaining the battery terminal voltage ≥ 105 volts.

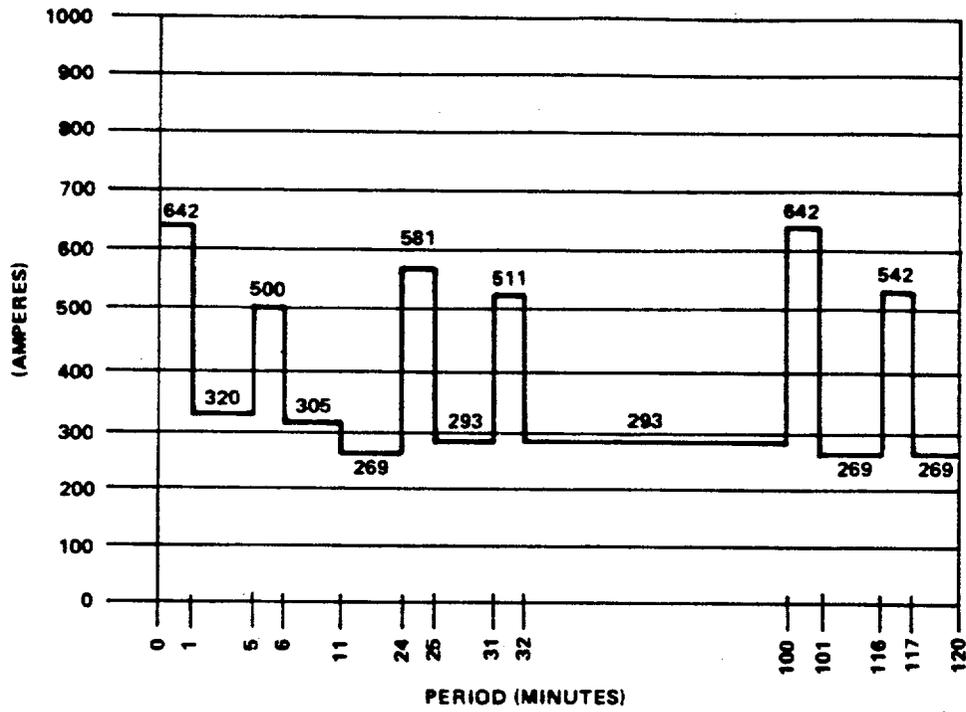
ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

3. At the completion of either of the above tests, the battery charger shall be demonstrated capable of recharging its battery at a rate of at least 150 amperes while supplying normal D.C. loads. The battery shall be charged to at least 95% capacity in \leq 24 hours.

- e. At least once per 60 months during shutdown by verifying that the battery capacity is at least 80% of the manufacturers rating when subjected to a performance discharge test. This performance discharge test shall be performed subsequent to the satisfactory completion of the required battery service test.

LOAD PROFILE BATTERY 2A



LOAD PROFILE BATTERY 2B

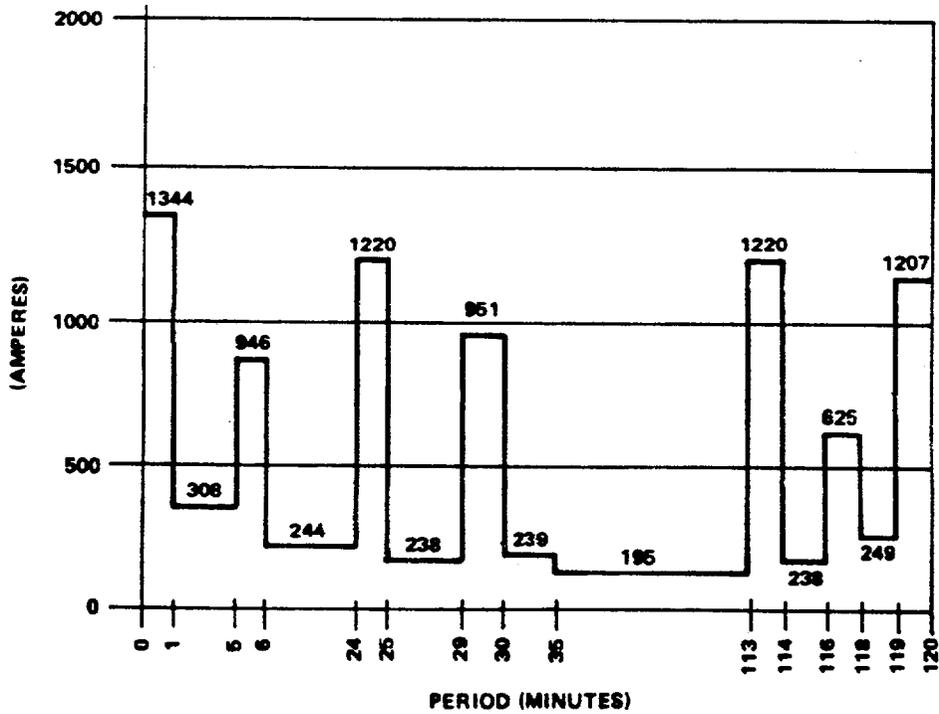


Figure 3.6.2.3-1 "Dummy" Load Profiles for Station Service Batteries 2A and 2B



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 74 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

1.0 INTRODUCTION

By letter dated August 19, 1986, Georgia Power Company (GPC) submitted a request for revision of the Technical Specifications, Appendix A to Facility Operating License NPF-5, for the Edwin I. Hatch Nuclear Plant, Unit 2. The proposed revision would incorporate changes to the dummy load profiles for station battery testing.

2.0 EVALUATION

In order to demonstrate the operability of the DC power system, Edwin I. Hatch Nuclear Plant, Unit 2 Technical Specifications require the performance of a test to demonstrate that the station batteries are capable of supplying emergency loads for specified time periods. Two options are available for performance of this test. The first option requires hookup of the actual emergency loads for 2 hours. The second option specifies a dummy load profile (current versus time) which may be used to demonstrate battery operability. A machine capable of simulating the actual loads is used for performance of the dummy load profile option.

The actual emergency load option has been used for performance of the subject surveillance at Edwin I. Hatch Nuclear Plant, Unit 2. The dummy load profile option has not been used because the profiles had not been updated to reflect the modifications to the plant which affect the load profile provided in the Technical Specifications.

The proposed revision to the Edwin I. Hatch Nuclear Plant, Unit 2 Technical Specifications, contained in GPC's August 19, 1986 letter, would update the dummy load profiles for station battery testing provided in the Technical Specifications.

The load profile (for each battery) has been updated to reflect the as built plant. Implementation of this change will allow the use of either option for the performance of battery surveillance.

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The staff has found that the above proposed changes are consistent with the guidelines contained in IEEE Standard 450, "Recommended Practice for Maintenance, Testing and Replacement of Large Storage Batteries for Generating Stations and Substations," as augmented by Regulatory Guide 1.129, Rev. 1, "Maintenance, Testing and Replacement of Large Lead Storage Batteries for Nuclear Power Plants."

Based on the above, the staff has concluded that the proposed changes to the Edwin I. Hatch Nuclear Plant, Unit 2 Technical Specifications for new battery load testing profiles are consistent with the Standard Review Plan, Section 8.3.2 acceptance criteria and, therefore, the proposed changes are acceptable.

3.0 ENVIRONMENTAL CONSIDERATIONS

This amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. 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 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.

4.0 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.

Principal Contributor: B. Marcus

Dated: February 25, 1987