

December 16, 1975

Docket No. 50-321

Georgia Power Company
Oglethorpe Electric Membership Corporation
ATTN: Mr. I. S. Mitchell, III
Vice President and Secretary
Georgia Power Company
Atlanta, Georgia 30302

Gentlemen:

The Commission has issued the enclosed Amendment No. 25 to Facility Operating License No. DPR-57 for Edwin I. Hatch Nuclear Plant Unit 1. This amendment includes Change No. 24 to the Technical Specifications and is in response to your request dated October 14, 1975. During our review of your request, a few changes were discussed and found mutually acceptable to you and to the NRC staff.

This amendment modifies those portions of the license and the Technical Specifications which relate to the receipt, possession and use of byproduct, source, and special nuclear material.

Copies of the related Safety Evaluation and the Federal Register Notice are also enclosed.

Sincerely,

George Lear, Chief
Operating Reactors Branch #3
Division of Reactor Licensing

Enclosures:

1. Amendment No. 25
2. Safety Evaluation
3. Federal Register Notice

cc: See next page

DISTRIBUTION:

Docket	AESteen
NRC PDR	ACRS (16)
Local PDR	OPA (Clare Miles)
ORB Rdg	TBAbernathy
KRGoller/TJCarter	JRBuchanan
CParrish	App. Att. of Recor
JGuibert	State Official
OELD	Local Official
OI&E (3)	EPA
BJones (4 copies)	
BScharf(15)	
JMcGough	
JSaltzman	
NDube	
CHaupt	
SVarga	
CHebron	

CP-1

OFFICE	ORB#3	ORB#3	ORB#3	OELD		
SURNAME	CParrish	JGuibert:acr	GLear	KARMAN		
DATE	12/12/75	12/12/75	12/16/75	12/15/75		

cc:

G. F. Trowbridge, Esquire
Shaw, Pittman, Potts and Trowbridge
Barr Building
910 17th Street, N. W.
Washington, D. C. 20006

Ruble A. Thomas
Vice President
P. O. Box 2625
Southern Services, Inc.
Birmingham, Alabama 35202

Mr. Harry Majors
Southern Services, Inc.
300 Office Park
Birmingham, Alabama 35202

Mr. D. P. Shannon
Georgia Power Company
Edwin I. Hatch Plant
P. O. Box 442
Baxley, Georgia 31513

Appling County Public Library
Parker Street
Baxley, Georgia 31513

Mr. G. Wyman Lamb, Chairman
Appling County Commissioners
County Courthouse
Baxley, Georgia 31513

Mr. John Robins
Office of Planning and Budget
Room 615-C
270 Washington Street, SW
Atlanta, Georgia 30334

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

GEORGIA POWER COMPANY
OGLETHORPE ELECTRIC MEMBERSHIP CORPORATION

DOCKET NO. 50-321

EDWIN I. HATCH NUCLEAR PLANT UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 25
License No. DPR-57

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Georgia Power Company and Oglethorpe Electric Membership Corporation (the licensee) dated October 14, 1975, 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; and
 - 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.
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 2.C.(2) of Facility License No. DPR-57 is hereby amended to read as follows:

"(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, as revised by issued changes thereto through Change No. 24"

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

FOR THE NUCLEAR REGULATORY COMMISSION



George Lear, Chief
Operating Reactors Branch #3
Division of Reactor Licensing

Attachment:
Change No. 24
Technical Specifications

Date of Issuance: December 16, 1975

ATTACHMENT TO LICENSE AMENDMENT NO. 25

CHANGE NO. 24 TO THE TECHNICAL SPECIFICATIONS

FACILITY OPERATING LICENSE NO. DPR-57

DOCKET NO. 50-321

Replace page 3 to the Facility Operating License and page 3.8-1
with the attached revised pages. No change has been made on page
3.8-2.

- (2) Pursuant to the Act and 10 CFR Part 70, to receive, possess and use at any time special nuclear material as reactor fuel, in accordance with the limitations for storage and amounts required for reactor operation, as described in the Final Safety Analysis Report, as supplemented and amended as of October 14, 1975.
- (3) Pursuant to the Act and 10 CFR Parts 30, 40 and 70 to receive, possess and use at any time any byproduct, source and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;
- (4) Pursuant to the Act and 10 CFR Parts 30, 40 and 70, to receive, possess and use in amounts as required any byproduct, source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated with radioactive apparatus or components;
- (5) Pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.

24

C. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 40.41 of Part 40, Sections 50.54 and 50.59 of Part 50, and Section 70.32 of Part 70; is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

"(1) Maximum Power Level

The Georgia Power Company is authorized to operate the facility at steady state reactor core power levels not in excess of 2436 megawatts thermal.

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised, are hereby incorporated in the license. The licensees shall operate the facility in accordance with the Technical Specifications, as revised by issued changes thereto through Change No. 21.

3.8 Radioactive MaterialsApplicability

Applies to miscellaneous radioactive material sources.

Objective.

To assure that radioactive material is not released to the environment in an uncontrolled manner and to assure that any material released is kept as low as practicable.

SpecificationA. Miscellaneous Radioactive Materials Sources

1. The leakage test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, it shall immediately be withdrawn from use, decontaminated and repaired, or disposed of in accordance with Commission regulations. Sealed sources are exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
2. A complete inventory of radioactive materials in possession shall be maintained current at all times.

4.8 Radioactive MaterialsApplicability

Applies to the periodic monitoring of miscellaneous radioactive material sources.

Objective

To ascertain the integrity of miscellaneous radioactive material sources and to ensure radioactive releases are as low as practicable.

SpecificationA. Miscellaneous Radioactive Material Sources

1. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an agreement State, as follows:
 - a. Each sealed source, except startup sources subject to core flux, containing radioactive material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months.
 - b. The periodic leak test required does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another user unless they have been leak tested within six months prior to the date of use or transfer. In the absence

of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, sealed sources shall not be put into use until tested.

- c. Startup sources shall be leak tested prior to and following any repair or maintenance and before being subjected to core flux.

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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 25 TO FACILITY OPERATING LICENSE

(CHANGE NO. 24 TO TECHNICAL SPECIFICATIONS)

EDWIN I. HATCH NUCLEAR PLANT UNIT 1

GEORGIA POWER COMPANY AND

OGLETHORPE ELECTRIC MEMBERSHIP CORPORATION

DOCKET NO. 50-321

Introduction

By letter dated October 14, 1975, Georgia Power Company (GPC) proposed an amendment to Facility Operating License No. DPR-57 for Edwin I. Hatch Nuclear Plant Unit 1. The proposed amendment involves a modification of those parts of the Facility Operating License which relate to the receipt, possession, and use of byproduct, source and special nuclear material.

Certain changes to the proposed amendment were made with mutual concurrence of the NRC staff and the licensee.

Discussion

By letters dated December 16, 1974, we requested that nuclear power facility licensees provide:

- (1) proposed amendments to the conditions of existing Facility Operating Licenses which relate to the receipt, possession, and use of byproduct, source, and special nuclear materials;
- (2) the related surveillance and reporting requirements for miscellaneous radioactive material sources;
- (3) FSAR revisions to include information described in Regulatory Guide 1.70.3, "Additional Information, Radioactive Materials Safety For Nuclear Power Plants", of February 1974.

Our letters included standard formats and guidelines for the requested proposals.

The above mentioned letter was not sent to GPC since most of the objectives of our December 16, 1974 request had been met by GPC prior to the issuance of the Facility Operating License for Hatch Unit 1 in August 1974. However, GPC's proposed license amendment of October 14, 1975 has provided an opportunity to ensure that the remaining objectives of our request are met by amending the Hatch Unit 1 license as follows:

- (1) Addition of a Technical Specification which requires the maintenance of an up-to-date inventory of radioactive materials in the licensee's possession; and
- (2) Modification of the format of the Hatch Unit 1 license to provide uniformity with the standard license format currently in use.

Evaluation

The Hatch Unit 1 Radioactive Materials Safety Program has previously been reviewed and approved by the NRC staff in Supplement No. 3 to the Edwin I. Hatch Unit 1 Safety Evaluation Report dated August 5, 1974. Based on the information provided in the Hatch Unit 1 FSAR we concluded that there is reasonable assurance that byproduct, source, and special nuclear material sources would be stored and used in a manner which meets the applicable radiation protection provisions of 10 CFR Parts 20, 30 and 70.

The Technical Specifications issued on August 6, 1974 as Appendix A to Facility Operating License No. DPR-57 for Hatch Unit 1 include Technical Specifications which provide for leakage testing and related surveillance and reporting requirements for miscellaneous radioactive material sources. The addition of a requirement to maintain an up-to-date inventory of all radioactive material sources in possession ensures that the Hatch Unit 1 Technical Specifications include all of the requirements requested by the NRC staff in our letter dated December 16, 1974.

The amount of reactor fuel which can be received, used, and possessed is limited to that which has previously been authorized by the NRC staff and which is described in the Hatch Unit 1 FSAR as of October 14, 1975.

The proposed license conditions for receipt, possession, and use of byproduct, source, and special nuclear material are in compliance with the guidance and intent of our letter of December 16, 1974.

Summary

Based on the discussion above we conclude that the incorporation of flexible yet controlled licensing provisions for the receipt, possession, and use of byproduct, source, and special nuclear material into the Facility Operating License for Hatch Unit 1 is acceptable.

Conclusion

We have concluded, based on the considerations discussed above, that:
(1) because the change 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 change 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 this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: December 16, 1975

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-321

GEORGIA POWER COMPANY
OGLETHORPE ELECTRIC MEMBERSHIP CORPORATION

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 25 to Facility Operating License No. DPR-57 issued to Georgia Power Company and Oglethorpe Electric Membership Corporation, which revised Technical Specifications for operation of the Edwin I. Hatch Nuclear Plant, Unit 1, located in Appling County, Georgia. The amendment is effective as of its date of issuance.

The amendment modifies those portions of the license and the Technical Specifications which relate to the receipt, possession and use of byproduct, source, and special nuclear material.

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 is not required since the amendment does not involve a significant hazards consideration.

For further details with respect to this action, see (1) the application for amendment dated October 14, 1975, (2) Amendment No. 25 to License No. DPR-57, with Change No. 24 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 Reactor Licensing.

Dated at Bethesda, Maryland, this 16 day of December 1975

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script that reads "George Lear". The signature is written in dark ink and is positioned above the typed name and title.

George Lear, Chief
Operating Reactors Branch #3
Division of Reactor Licensing.

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-321

GEORGIA POWER COMPANY
OGLETHORPE ELECTRIC MEMBERSHIP CORPORATION

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 25 to Facility Operating License No. DPR-57 issued to Georgia Power Company and Oglethorpe Electric Membership Corporation, which revised Technical Specifications for operation of the Edwin I. Hatch Nuclear Plant, Unit 1. located in Appling County, Georgia. The amendment is effective as of its date of issuance.

The amendment modifies those portions of the license and the Technical Specifications which relate to the receipt, possession and use of byproduct, source, and special nuclear material.

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 is not required since the amendment does not involve a significant hazards consideration.

For further details with respect to this action, see (1) the application for amendment dated October 14, 1975, (2) Amendment No. 25 to License No. DPR-63, with Change No. 24 and (3) the Commission's related

OFFICE ➤						
SURNAME ➤						
DATE ➤						

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 Reactor Licensing.

Dated at Bethesda, Maryland, this 16 day of Dec 1975

FOR THE NUCLEAR REGULATORY COMMISSION

George, Lear, Chief
Operating Reactors Branch #3
Division of Reactor Licensing.

OFFICE >	ORB#3	ORB#3 JCG	DELD	ORB#3		
SURNAME >	CParrish CP	JGuibert:acr	KARMANIK	GLear GL		
DATE >	12/ 12 /75	12/ 12 /75	12/ 15 /75	12/ 16 /75		