

ENCLOSURE

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)	
)	
GEORGIA POWER COMPANY)	
)	
)	ocket Nos. 50-321
)	50-366
(Edwin I. Hatch Nuclear)	
Plant, Unit Nos. 1 and 2))	

APPLICATION TO AMEND FACILITY
OPERATING LICENSE NOS. DPR-57 AND NPF-5

This is an application to amend Facility Operating License Nos. DPR-57 and NPF-5, currently held by Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia (the Owners) to allow Southern Nuclear Operating Company, Inc. (Southern Nuclear) to possess, manage, use, operate and maintain Units 1 and 2 of the Edwin I. Hatch Nuclear Plant (HNP), located in Appling County, Georgia. This action involves no change in plant ownership or entitlement to electric power, no significant change in either nuclear personnel or support organizations (except for reassignment to Southern Nuclear), and accordingly qualifies as an amendment involving no significant hazards considerations.

I. INTRODUCTION

Georgia Power Company is a wholly owned subsidiary of The Southern Company, which holds all of the common stock of Georgia Power Company

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pursuant to the Public Utility Holding Company Act of 1935. Georgia Power Company, along with the other Owners, are presently the holders of Facility Operating License Nos. DPR-57 for HNP Unit 1 and NPF-5 for HNP Unit 2. Broadly stated, the terms and conditions of these licenses authorize Georgia Power Company to possess, use and operate and the other Owners to possess but not operate both units at HNP in accordance with the Atomic Energy Act and the rules and regulations of the Nuclear Regulatory Commission (NRC). In its capacity as licensed operator, Georgia Power Company acts for itself and on behalf of the Owners.

On December 17, 1990, after receiving the necessary order from the Securities and Exchange Commission (SEC), The Southern Company incorporated Southern Nuclear and acquired all of its common stock. The purpose of incorporating Southern Nuclear was to establish an organization which would consolidate personnel within the Southern electric system engaged in nuclear operations into a single, integrated organization to pursue higher degrees of performance in multiple-unit nuclear operations.

In January 1991, Southern Nuclear, under Georgia Power Company direction and approval, began to provide nuclear support services, technical services, and administrative services associated with Georgia Power Company's operation of HNP. Similarly, at the same time under Georgia Power and Alabama Power Company direction and approval, Southern Nuclear also began to provide nuclear support services, technical services, and administrative services to the Vogtle Electric Generating Plant and the Joseph M. Farley Nuclear Plant, respectively. On December 23, 1991, with NRC approval, Southern Nuclear became the exclusive

licensed operator of Alabama Power Company's Joseph M. Farley Nuclear Plant, Units 1 and 2.

As a part of its goal of Southern Nuclear becoming the exclusive licensed operator of the Owners' nuclear facilities, Georgia Power Company, for itself and on behalf of the other Owners, seeks authority for Southern Nuclear to become the licensed operator of HNP and to have exclusive responsibility and control over the physical construction, operation, and maintenance of the facility. A similar application is being filed concurrently on the NRC dockets for the Vogtle Electric Generating Plant.

Once the requested license amendments are granted, the terms and conditions governing Southern Nuclear serving as the licensed operator for HNP will be embodied in an operating agreement between Georgia Power Company and Southern Nuclear. Generally, this operating agreement will empower Southern Nuclear to be the exclusive entity authorized to operate HNP and to make all necessary and desirable decisions to this end. Importantly, Southern Nuclear will have no entitlement to power output from HNP or authority to dispatch, broker or market the energy generated. The Owners will remain on the HNP Units 1 and 2 licenses as licensed owners and will continue to own the assets of the facility in the same percentages as before the license amendments. The on-site Georgia Power Company nuclear operations organization is currently responsible for the physical operation of HNP. The on-site organization responsible for licensed activities will be transferred intact to Southern Nuclear.

II. REQUESTED REGULATORY ACTION

This application requests the NRC to amend Facility Operating License Nos. DPR-57 and NPF-5 to authorize Southern Nuclear, as the exclusive licensed operator, to possess, manage, use, operate and maintain HNP Units 1 and 2. More specifically, pursuant to 10 CFR 50.90, Georgia Power Company requests that the Nuclear Regulatory Commission amend Operating License Nos. DPR-57 and NPF-5 to read so that:

- (1) Southern Nuclear, pursuant to section 103 of the Atomic Energy Act of 1954, as amended, (the Act) and 10 CFR Part 50 "Domestic Licensing of Production and Utilization Facilities," is licensed to possess, manage, use, operate and maintain HNP Units 1 and 2 at the designated location in Appling County, Georgia, in accordance with the procedures and limitations set forth in the operating licenses;
- (2) Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia, pursuant to the Act and 10 CFR Part 50, are licensed to possess but not operate the facility at the designated location in Appling County, Georgia, in accordance with the procedures and limitations set forth in the licenses;
- (3) Southern Nuclear, pursuant to the Act and 10 CFR Part 70, is licensed 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;
- (4) Southern Nuclear, pursuant to the Act and 10 CFR Parts 30, 40 and 70, is licensed to receive, possess, and use, at any time, any by-product, source and special nuclear material as sealed neutron sources for reactor start up, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;
- (5) Southern Nuclear, pursuant to the Act and 10 CFR Parts 30, 40 and 70, is licensed to receive, possess and use, in amounts as required, any by-product, 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; and

- (6) Southern Nuclear, pursuant to the Act and 10 CFR Parts 30, 40 and 70, is licensed to possess, but not separate, such by-product and special nuclear materials as may be produced by the operation of HNP.

Georgia Power Company requests that this application be evaluated as involving no significant hazards consideration. Attachment A to this application includes a "certificate of concurrence" executed by Southern Nuclear providing concurrence in and support of the filing of this application by Georgia Power Company. Attachment B to this application is Georgia Power Company's analysis conducted pursuant to 10 CFR 50.92. The license amendment changes are noted in Attachment C to this application. Appropriate changes in insurance and indemnity agreements will be achieved prior to the implementation date of the proposed amendments.

III. GENERAL INFORMATION CONCERNING LICENSE AMENDMENTS

A. Name: Southern Nuclear Operating Company, Inc.

B. Address: Post Office Box 1295
Birmingham, Alabama 35201-1295

C. Description of Business or Occupation

Southern Nuclear is a wholly owned subsidiary of The Southern Company. Southern Nuclear's Certificate of Incorporation authorizes it

to engage in the business of operation of nuclear power plants, to provide associated technical and administrative services, and to provide support services in connection with such operations. Currently, Southern Nuclear provides nuclear support services to Georgia Power Company and is the licensed operator for Alabama Power Company's Joseph M. Farley Nuclear Plant, Units 1 and 2. Upon the effective date of the requested amendments, Southern Nuclear will be authorized to possess, manage, use, operate and maintain HNP Units 1 and 2. Georgia Power Company, concurrent with this application, has also filed a separate application with the NRC for Southern Nuclear to operate the Vogtle Electric Generating Plant, Units 1 and 2.

D. Organization and Management of Operating Corporation

Southern Nuclear is a corporation organized and existing under the laws of the State of Delaware. Its principal office is located near Birmingham, Alabama. Southern Nuclear is neither owned, controlled nor dominated by an alien or foreign corporation or a foreign government.

All directors and officers of Southern Nuclear are citizens of the United States. Their names and addresses are provided as follows:

Directors

<u>Name</u>	<u>Mailing Address</u>
E. L. Addison	64 Perimeter Center East Atlanta, Georgia 30346
A. W. Dahlberg	333 Piedmont Avenue Atlanta, Georgia 30308

Elmer B. Harris	600 North 18th Street Birmingham, Alabama 35291
Joseph M. Farley	Post Office Box 1295 Birmingham, Alabama 35201-1295
R. P. McDonald	Post Office Box 1295 Birmingham, Alabama 35201-1295
H. Allen Franklin	800 Shades Creek Parkway Birmingham, Alabama 35209

Chairman and Officers

Joseph M. Farley Chairman of the Board	Post Office Box 1295 Birmingham, Alabama 35201-1295
R. P. McDonald ¹ President and Chief Executive Officer	Post Office Box 1295 Birmingham, Alabama 35201-1295
W. G. Hairston, III ² Executive Vice President	Post Office Box 1295 Birmingham, Alabama 35201-1295
J. W. Everett ³ Vice President	Post Office Box 1295 Birmingham, Alabama 35201-1295
L. B. Long Vice President	Post Office Box 1295 Birmingham, Alabama 35201-1295
J. D. Woodard Vice President	Post Office Box 1295 Birmingham, Alabama 35201-1295
J. T. Beckham, Jr. ³ Vice President	Post Office Box 1295 Birmingham, Alabama 35201-1295
C. K. McCoy ⁴ Vice President	Post Office Box 1295 Birmingham, Alabama 35201-1295

¹ Mr. McDonald is also currently an Executive Vice President of Georgia Power Company.

² Mr. Hairston is also currently a Senior Vice President of Georgia Power Company.

³ Mr. Beckham is also currently a Vice President of Georgia Power Company.

⁴ Mr. McCoy is also currently a Vice President of Georgia Power Company.

J. O. Meier
Vice President and Secretary

Post Office Box 1295
Birmingham, Alabama 35201-1295

R. M. Gilbert, Jr.
Comptroller and Treasurer

Post Office Box 1295
Birmingham, Alabama 35201-1295

W. E. Boston
Assistant Secretary and
Assistant Treasurer

64 Perimeter Center East
Atlanta, Georgia 30346

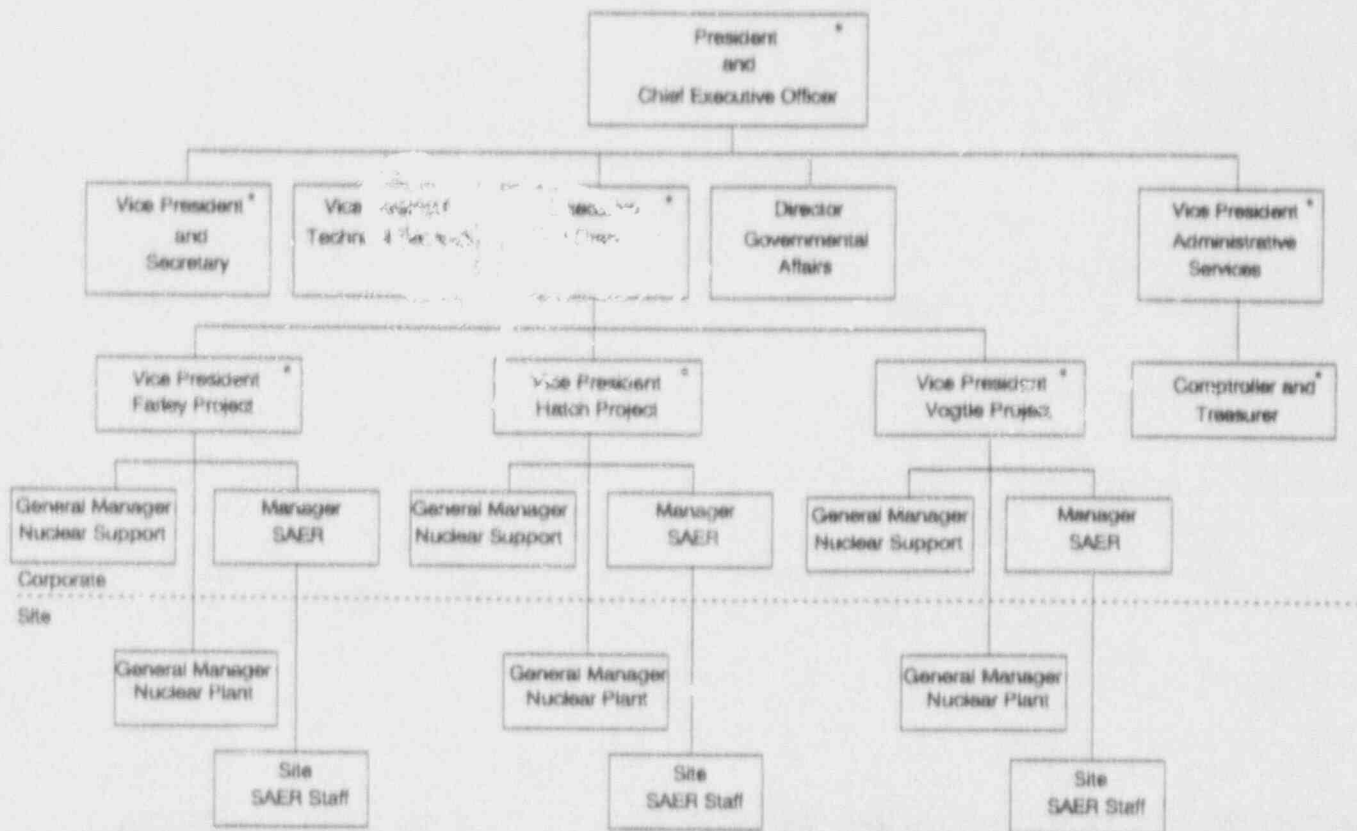
F. D. Kuester
Assistant Secretary and
Assistant Treasurer

1 Wall Street, 42nd Floor
New York, New York 10005

After the amendments become effective, Southern Nuclear will have three internal organizations dedicated to pursuing safe plant operations: Nuclear Operations, Technical Services, and Administrative Services. Each organization will report to the President and Chief Executive Officer. The HNP Nuclear Operations organization will consist principally of the on-site personnel and some direct support personnel at corporate headquarters. Technical Services also will be located at corporate headquarters, and will consist of specialized, technical functions supporting HNP and the other nuclear plants in the Southern electric system. Similarly, the Administrative Services organization will be at corporate headquarters and will provide administrative support for HNP and other nuclear plants. The proposed organizational chart is provided on the following page. The technical qualifications of Southern Nuclear and a brief description of each organization is provided below:

Southern Nuclear Operating Company ^{★★}

(Proposed)



* Southern Nuclear Officer

** Chart assumes that Southern Nuclear will operate Vogtle Electric Generating Plant also.

(1) Technical Qualifications

The technical qualifications of Southern Nuclear to fulfill its responsibilities under the proposed amended operating licenses are consistent with the present technical qualifications of Georgia Power Company because these amendments involve no change in personnel assigned responsibilities for licensed activities. On January 1, 1991, the off-site support organization for HNP became employees of Southern Nuclear. Because Georgia Power Company was solely responsible for licensed activities, the off-site line management (i.e., the officers between the HNP site General Manager and the Georgia Power Company President) remained officers of Georgia Power Company, as well as became officers of Southern Nuclear. When this application is granted and these amendments become effective, the on-site nuclear operation organization will be transferred intact from Georgia Power Company to Southern Nuclear. Southern Nuclear will then employ, or contract as necessary, all of the technically qualified personnel necessary to become responsible for possession, management, operation, use and maintenance of HNP. Therefore, after these amendments become effective the technical qualifications of both the on-site and off-site organizations will be equivalent to those currently existing.

(2) Nuclear Operations

The Nuclear Operations organization of Southern Nuclear is based upon a project concept which provides HNP with a dedicated support organization. Each nuclear site reports to a project Vice President who has responsibility for operations of that particular site. All dedicated support functions for Nuclear Operations report to this Vice

President, who reports to the Executive Vice President, who ultimately reports to the President and Chief Executive Officer. These are the officers responsible for the safe, reliable, and economic operation of HNP. Several significant advantages result from the project concept:

- (1) It provides clear lines of authority and responsibility while ensuring that essential corporate support functions which are dedicated to the project report to a single responsible executive (i.e., the project Vice President).
- (2) The effectiveness of project quality assurance is enhanced by integration with other aspects of project management under the direction of a single executive (i.e., the project Vice President).
- (3) The project structure provides the project executive the flexibility necessary for managing his resources to achieve optimal results.
- (4) The project structure provides management of Southern Nuclear the flexibility necessary to adapt to different procedures and methods used at each nuclear plant within the Southern electric system.
- (5) The effectiveness of a dedicated corporate project support organization is enhanced by identification with and sharing of common goals and objectives.

(3) Technical Services and Administrative Services

In addition to the project support group, there are Technical Services and Administrative Services organizations. The Technical Services organization provides support to the Nuclear Operations organization in areas such as in-service inspection, nuclear fuel management, regulatory support (e.g., probabilistic risk assessment, radiological safety and generic licensing), and corporate quality services. Technical Services currently provides technical support to HNP, as well as to the Vogtle and Farley facilities, in a resource-efficient manner. The Administrative Services organization currently

provides financial services; handles personnel matters, procurement services, labor relations, and employee compensation and benefits; provides corporate training; and performs other duties of an administrative nature. As with Technical Services, Administrative Services performs these duties for multiple nuclear plants in a resource-efficient manner.

E. Organization of the HNP Project

(1) On-Site Organization

After amendment of the facility operating licenses as requested in this application, no change in the HNP on-site nuclear operation organization is anticipated except for the change of employer from Georgia Power Company to Southern Nuclear and, where appropriate, title changes reflecting the exclusive operating status of Southern Nuclear.

With respect to the regulations concerning unrestricted access authorization for nuclear personnel, existing Georgia Power Company personnel who, under the provisions of 10 CFR 73.56(c)(1), were granted continued unescorted access authorization for HNP will continue to have unescorted access authorization without further evaluation after Southern Nuclear becomes the exclusive licensed operator of HNP. The intention is that these employees will retain their unescorted access to HNP without further evaluation after they are reassigned to Southern Nuclear. For these employees, Southern Nuclear becoming the licensed operator will not change the character or location of their work or interrupt employment at the site, and therefore further evaluation is not considered necessary.

(2) Off-Site Organization

For the off-site organization, the proposed structure will consist of the aforementioned HNP support and quality assurance organizations. Functional areas for the HNP support group will include administrative, emergency planning, licensing, engineering, and maintenance support.

The HNP Manager-Safety Audit and Engineering Review (MSAER) will report to the HNP Vice President, who will be the final management authority responsible for developing, implementing, reviewing, and amending the Edwin I. Hatch Quality Assurance Manual (QAM). (The SAER HNP supervisor reports to the MSAER and will conduct periodic audits of on-site activities required by Technical Specifications, the FSAR and other regulations). The MSAER will also conduct periodic audits of the off-site HNP support organization. The HNP MSAER will be the secretary of the HNP off-site Safety Review Board (SRB). The QAM will continue to be implemented as currently described in Chapter 17 of the FSAR.

A project-specific SRB will continue to provide independent review of appropriate activities. The SRB function, composition and requirements regarding the use of alternates and consultants, meeting frequency, quorum requirements, review responsibilities, and requirements for recordkeeping will be unchanged. Of course, appropriate title changes will be made to reflect Southern Nuclear's status as the licensed operator.

F. Benefits of Proposed Amendment

Authorizing Southern Nuclear to become the licensed operator for HNP will be a positive step toward an integrated nuclear operating company with operating responsibility for multiple nuclear energy plants. Benefits from such a multi-plant, single-focus organization include the following:

- (1) As a result of the formation of Southern Nuclear as a nuclear operating company, management is devoted to the business of nuclear power operations. Such single-purpose management will be able to pursue overall excellence in nuclear power plant operations without distractions from the requirements and duties of other areas of the electric utility business.
- (2) Southern Nuclear will be a repository of nuclear operating and management expertise and experience. Consolidation of nuclear operations talent into one nuclear operating company will have a synergistic effect. The change will enhance both public safety and economic plant operation.
- (3) Southern Nuclear will be better able to provide a consistent vision for the philosophy of operation of multiple nuclear units. This common vision will allow development of a company philosophy which can be specifically designed for nuclear plant operations. This focused philosophy can be effectively used to achieve excellence in all aspects of nuclear operations more so than the broadly stated philosophies of the separate utilities.
- (4) As a result of the consolidation of off-site support organizations, there will be more effective communication and use of nuclear operating experience. For example, "lessons learned" by Southern Nuclear from multiple plant operations can be shared promptly, efficiently, and consistently.
- (5) Certain corporate support functions, such as administration and corporate communication functions, will become specialized and focused on the requirements of a nuclear operating company and will thereby be more effective in their support of all nuclear plants Southern Nuclear may operate.
- (6) Southern Nuclear becoming the licensed operator will lead to a broader base and more competitive environment for upper management candidates who are specialized in nuclear power operation. Furthermore, it will provide an environment in which employees will be highly motivated toward high performance. Southern Nuclear, as

an NRC licensed operator, will provide greater opportunity for career progression and thus greater opportunity to retain valued employees.

- (7) More specifically, one result from amending the licenses as requested is that salary structures, career path policies and procedures for nuclear employees of Southern Nuclear will be separate and distinct from Georgia Power Company's non-nuclear employees. This will permit nuclear managers to focus upon the special needs, qualifications, and requirements of nuclear employees. Human resource and compensation policies tailored to nuclear operations will allow Southern Nuclear to be competitive in the market for skilled nuclear professionals without directly influencing, or being bound by, personnel policies and procedures governing non-nuclear personnel. The ability to attract superior nuclear talent and to retain quality individuals, once recruited, will have a direct and positive impact on the quality of overall nuclear plant operations.

The result sought by these license amendment requests is thus consistent with the views and perspective of the Nuclear Regulatory Commission in recent years, calling for strong and focused management of nuclear power plant operations.

G. Financial Aspects

As discussed below, Southern Nuclear will be an "electric utility" as that term is defined by 10 CFR 50.2. Therefore, under 10 CFR 50.33(f), a full financial qualifications review of this application to amend the licenses is not necessary. The following brief discussion of the pertinent corporate and contractual relationships is provided:

1. Southern Nuclear will not have any ownership interest in HNP, the nuclear facilities or fuel. However, pursuant to the operating agreement, Southern Nuclear will be authorized to exercise overall responsibility for plant operations, including exclusive responsibility for safety decisions. The ultimate authority for Southern Nuclear's policies will be the Board of Directors of Southern Nuclear.
2. By contract, Georgia Power Company and Southern Nuclear will establish responsibility for plant costs. Those costs experienced directly by Southern Nuclear in the

operation of HNP will be reimbursed by Georgia Power Company pursuant to the operating agreement. Other expenses of Southern Nuclear which are not direct charges to a specific plant will be allocated to Georgia Power Company and others for whom such expenses are incurred, as appropriate. Responsibility for reimbursement by Georgia Power Company of these costs will be absolute. Georgia Power Company will, in turn, be reimbursed by the other Owners for their proportionate shares of these costs pursuant to existing agreements. Because the Owners are entitled to the entire electric generation from HNP and do not purchase electric generation from Southern Nuclear, the costs will not be "rates" subject to regulatory review and approval except as items of costs to the Owners.

3. Georgia Power Company is subject to the jurisdiction of two economic regulatory authorities, the Georgia Public Service Commission and the Federal Energy Regulatory Commission, and will include its proportionate share of the aforementioned costs as capital expenditures and expenses of power production for rate making purposes before these authorities. The other Owners (Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, City of Dalton) will recover their costs through the rates they charge for electricity.
4. As explained above in item 2, with Southern Nuclear as the licensed plant operator, Georgia Power Company will commit to provide all funds necessary for the safe operation, construction, maintenance, repair, decontamination and decommissioning⁵ incurred or accrued by Southern Nuclear. Thus, the various contractual obligations, and retention of full ownership interest by the Owners as well as the Owners' entitlement to all electrical output from the plant, assure that the same level of financial qualifications will exist after these license amendments become effective.
5. The Owners will retain authority to direct through their agent, Georgia Power Company, that the plant be shut down in an orderly fashion by Southern Nuclear (and in accordance with Southern Nuclear's safety judgment) rather than make specific capital modifications or other major expenditures. This retained authority ultimately

⁵ More specifically, with regard to decommissioning funding, the Owners will remain responsible for those funds in accordance with their obligations and certifications to the NRC, dated July 25, 1990, as amended by Georgia Power Company letter dated July 30, 1992, pursuant to 10 CFR 50.75.

will limit Southern Nuclear's spending authority, but will not encumber Southern Nuclear's ability to make operational safety decisions and will have no impact on safe operation of the plant.

H. Antitrust Considerations

Southern Nuclear's operation of HNP will not alter the existing plant ownership or entitlement to power output. Because of this fact, the proposed amendments will have no effect on any commercial activity that may be related to nuclear plant ownership or control. These license amendments have no significance to any activity that may give rise to antitrust concern. Further, the proposed license amendments to designate Southern Nuclear as the entity authorized to operate HNP Units 1 and 2 will not alter any of the existing antitrust license conditions applicable to Georgia Power Company. Therefore, the proposed license amendments do not require antitrust review pursuant to Section 105 of the Atomic Energy Act and 10 CFR 2.101(e).

Notwithstanding this lack of applicability of the antitrust review procedure to the present application, Georgia Power Company and Southern Nuclear agree to the addition of the following language to the antitrust conditions of the HNP licenses:

- Unit 1: Southern Nuclear shall not market or broker power or energy from Edwin I. Hatch Nuclear Plant, Unit 1.
- Unit 2: Southern Nuclear shall not market or broker power or energy from Edwin I. Hatch Nuclear Plant, Unit 2. Georgia Power Company shall continue to be responsible for compliance with the obligations imposed on it in its antitrust license conditions. Georgia Power Company is responsible and accountable for the actions of Southern Nuclear, to the extent that Southern Nuclear's actions may, in any way, contravene the existing antitrust license conditions.

I. Restricted Data

This application does not contain any "Restricted Data," as that term is defined in the Atomic Energy Act of 1954, as amended, or other defense information, and it is not expected that any such information will become involved in the licensed activities. However, in the event that such information does become involved, Southern Nuclear agrees that it will appropriately safeguard such information and it will not permit any individual to have access to Restricted Data until the Office of Personnel Management shall have made an investigation and report to the Nuclear Regulatory Commission on the character, associations and loyalty of such individual, and the Nuclear Regulatory Commission shall have determined that permitting such person to have access to Restricted Data will not endanger the common defense and security.

IV. SPECIFIC INFORMATION REGARDING ADDITIONAL ISSUES

A. Emergency Planning

Upon approval of the proposed license amendments, Southern Nuclear will become responsible and have the authority for all functions necessary to fulfill the emergency planning requirements specified in 10 CFR 50.47(b) and Part 50, Appendix E. Plans and agreements will be established to ensure that all support described in the existing emergency plan will be maintained.

Control over existing agreements for support from off-site organizations and agencies will be assigned or delegated by Georgia Power Company to Southern Nuclear. This will be accomplished by letter from Georgia Power Company to, or by execution of revised contracts

with, each organization and agency. These changes will be effective on the date which Southern Nuclear becomes the licensed plant operator.

Following the reassignment of operating responsibility to Southern Nuclear, a significant amount of off-site emergency planning support, including communication with the public, will be provided by Georgia Power Company. These activities are being reviewed and the required support will be assured by service plans between Southern Nuclear and Georgia Power Company, as necessary.

In sum, the proposed license amendments will not alter HNP's compliance with the emergency planning requirements. Transferring the emergency plan responsibilities to Southern Nuclear will be accomplished without decreasing the effectiveness of the plan. Because the effectiveness of the emergency plan will not be decreased, specific emergency plan and procedure changes will be submitted to the NRC within 30 days after the changes are made, pursuant to 10 CFR 50.54(q) and 10 CFR Part 50, Appendix E, Section V.

B. General Design Criterion 17

The amendments to authorize Southern Nuclear to become the exclusive licensed operator involve no changes in the ownership or design of the off-site power system for HNP, or in its operation, maintenance or testing. Upon approval of the amendments, Georgia Power Company will continue to fulfill its current responsibilities with respect to compliance with General Design Criterion (GDC) 17.

GDC 17 specifically requires that there be an assured source of off-site power to the plant. Pursuant to this requirement, Southern

Nuclear will enter into agreements with Georgia Power Company specifying: (1) the arrangements for provision of a continued source of off-site power, (2) the arrangements for controlling operation, maintenance, repair, and other activities with respect to the transmission lines and the switchyard in the Exclusion Area, and (3) a requirement that Georgia Power Company obtain approval from Southern Nuclear prior to implementing any changes to the equipment located in the Exclusion Area. The agreements essentially will provide for the continuation of current arrangements respecting the switchyard and associated transmission facilities. Based on the foregoing, there is adequate assurance that independent sources of off-site power will continue to be provided.

C. Exclusion Area

Upon approval of the amendments providing for Southern Nuclear to become the licensed operator of HNP, Southern Nuclear will have authority to determine all activities within the HNP "Exclusion Area," as that term is defined in the HNP Final Safety Analysis Report.

The Owners possess the entire plant Exclusion Area in fee simple, including mineral rights. Pursuant to the operating agreement between Southern Nuclear and Georgia Power Company, Southern Nuclear will have unrestricted access to the real property constituting the HNP plant site, including the facilities, equipment, switchyard and personal

property located on the site.⁶ Also, Southern Nuclear will have authority to exercise complete control over the Exclusion Area and to determine all activities within that area, including all areas of the plant and the switchyard. This authority allows Southern Nuclear to control ingress and egress and to affect an evacuation if necessary. Southern Nuclear will become responsible for the emergency plan and procedures as discussed above.

D. Security

The proposed license amendments will not alter HNP's compliance with the physical security requirements of 10 CFR Part 73 as set forth in the Plant Hatch Physical Security Plan and Guard Training and Qualification Plan. Upon becoming the licensed operator, Southern Nuclear will become responsible for implementation of all aspects of the present security program. Control over existing agreements for support from off-site organizations and agencies will be assigned or delegated by Georgia Power Company to Southern Nuclear. This will be accomplished by letter from Georgia Power Company to, or by execution of revised contracts with, each such support organization or agency to be effective upon Southern Nuclear becoming the plant licensed operator. Changes to the plans to reflect this transition will not decrease the effectiveness of the plans but will be submitted to the NRC within two months after the changes are made, in accordance with 10 CFR 50.54(p).

⁶ Pursuant to the operating agreement, Southern Nuclear will also have unrestricted access to certain real property off-site, such as the environmental monitoring stations, which are necessary to support plant operations.

E. Quality Assurance Program

The proposed license amendments will not alter HNP's compliance with the quality assurance requirements of 10 CFR Part 50, Appendix B, nor will they reduce the commitments in the quality assurance program description previously accepted by the NRC for HNP. Upon Southern Nuclear becoming the licensed operator, Southern Nuclear will become responsible for present functions associated with the HNP quality assurance program. The function and structure of the HNP quality assurance organization will not be affected by these license amendments. Changes to reflect the transition, which will be processed in accordance with 10 CFR 50.54(a), will not reduce the commitments in the quality assurance program description.

F. Training

The proposed license amendments will not alter HNP's compliance with the operator re-qualification program requirements of 10 CFR 50.54 and related sections, nor maintenance of the Institute of Nuclear Power Operations' accreditation for licensed and non-licensed training. Upon Southern Nuclear becoming the licensed operator of HNP, Southern Nuclear will become responsible for implementation of present training programs. Changes to the programs to reflect the transition will not decrease the scope of the approved operator re-qualification program without the specific authorization of the NRC in accordance with 10 CFR 50.54(i-1).

V. CORRESPONDENCE

On the effective date of the license amendments, all NRC correspondence related to Docket Nos. 50-321 and 50-366 should be directed to Southern Nuclear as all applicable correspondence related to HNP will be transmitted by Southern Nuclear. This includes license amendment requests, which were submitted earlier than and remain outstanding on the effective date. Southern Nuclear will notify NRC in writing of any exceptions to this policy.

VI. ENVIRONMENTAL ASSESSMENT

No changes resulting from the proposed license amendments (including the Environmental Technical Specifications) are anticipated in the on-site nuclear operating organization, except that the on-site nuclear operating organization would become employees of Southern Nuclear and, where appropriate, titles would be changed to reflect the exclusive licensed operator status of Southern Nuclear. The off-site corporate organizations will continue to provide support and quality assurance for HNP. The corporate support responsibility for the environmental program will be assigned to the Southern Nuclear Manager-Environmental Services. Southern Nuclear Environmental Services will be complemented with certain support services provided by Georgia Power Company. There will be no other changes to the facility or to the operating, maintenance, engineering, or other nuclear-related personnel which might affect the environmental program as a result of these proposed license amendments. This proposed action would result in no radiological or nonradiological impact. Since these amendments involve

no significant hazards considerations, involve no change in the types or increase in the amounts of effluents that may be released offsite, and there is no increase in individual or cumulative occupational radiation exposure, this change will have no effect on the environment. Therefore, in accordance with 10 CFR 51.22(c)(9), this change qualifies as a categorical exclusion and neither an environmental assessment nor an environmental impact statement is required.

VII. EFFECTIVE DATE

Georgia Power Company requests that the NRC complete their review and approval process of this application within 60 days of the date of this submittal. In addition to the NRC approval, other activities must be completed before Southern Nuclear will be ready to become the exclusive licensed operator of HNP. Accordingly, Georgia Power Company requests that these license amendments be made effective as of their date of issuance with the provision that the license conditions be implemented within 180 days of the date of issuance and upon the official transfer of responsibilities between Georgia Power Company and Southern Nuclear. Georgia Power Company will separately notify the NRC at such time as all other requirements have been satisfied and Southern Nuclear is ready to become the licensed operator of HNP. This is expected to occur within 60 days after NRC approval of this application.

VIII. NOTICES

Any notices, questions or correspondence in connection with this filing should be directed to:

Mr. J. T. Beckham, Jr.
Vice President - Hatch Project
Georgia Power Company
Post Office Box 1295
Birmingham, Alabama 35201-1295

With a copy to:

Arthur H. Domby, Esq.
Troutman Sanders
600 Peachtree Street, N.E.
Suite 5200
Atlanta, Georgia 30308-2216

The service lists identifying the required distribution of correspondence addressed to the NRC will initially remain unchanged except that the Georgia Power Company employees identified on the distribution list will be Southern Nuclear employees.

IX. CONCLUSION

Based on the information provided herein, Georgia Power Company, for itself and on behalf of Oglethorpe Power Corporation, Municipal Electric Authority of Georgia and the City of Dalton, Georgia, respectfully requests that this application for an amendment to Facility Operating License Nos. DPR-57 and NPF-5 be granted.

AFFIRMATION

I, J. T. Beckham, Jr., being duly sworn, state that I am Vice President of Georgia Power Company; that on behalf of Georgia Power Company I am authorized by Georgia Power Company to sign and file with the Nuclear Regulatory Commission, this application for amendment of the Operating Licenses of the Edwin I. Hatch Nuclear Plant; that I signed this application as Vice President of Georgia Power Company; and that the statements made and the matters set forth therein are true and correct to the best of my knowledge, information and belief.

GEORGIA POWER COMPANY

BY:

J. T. Beckham, Jr.
J. T. Beckham, Jr.

Sworn to and subscribed before me this 16th day of September, 1992.

Julith D. Gosa

Notary Public

Notary Public, Fayette County, Ga.

My Commission Expires Feb. 6, 1994

ATTACHMENT A
CERTIFICATE OF CONCURRENCE OF
SOUTHERN NUCLEAR OPERATING COMPANY, INC.

ATTACHMENT A

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of

GEORGIA POWER COMPANY

(Edwin I. Hatch Nuclear
Plant, Unit Nos. 1 and 2)

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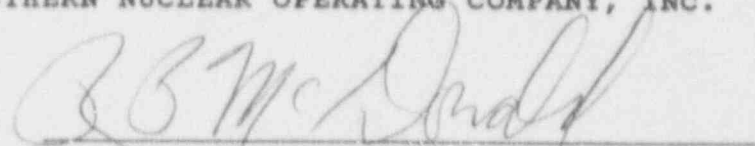
Docket Nos. 50-321
50-366

CERTIFICATE OF CONCURRENCE OF
SOUTHERN NUCLEAR OPERATING COMPANY, INC.

Southern Nuclear Operating Company, Inc. (Southern Nuclear) concurs in and supports the filing of the "Application to Amend Facility Operating License Nos. LPR-57 and NPF-5" by Georgia Power Company.

SOUTHERN NUCLEAR OPERATING COMPANY, INC.

By:



R. P. McDonald
President and Chief Executive Officer

ATTACHMENT B
SIGNIFICANT HAZARDS CONSIDERATION EVALUATION

ATTACHMENT B

SIGNIFICANT HAZARDS CONSIDERATION EVALUATION PURSUANT TO 10 CFR 50.92

A. Proposed Change

The proposed amendments to Facility Operating License Nos. DPR-57 and NPF-5 for Units 1 and 2 of the Edwin I. Hatch Nuclear Plant will result in licensing Southern Nuclear Operating Company, Inc. (Southern Nuclear) as the exclusive operating authority for this facility with responsibility for, and control over, the physical possession, management, use, operation, and maintenance.

B. Background

Southern Nuclear is a wholly owned subsidiary of The Southern Company, which also owns all of the common stock of Georgia Power Company. One of the purposes for incorporating Southern Nuclear was for it to be authorized by the NRC to possess, manage, use, operate and maintain Units 1 and 2 of the Edwin I. Hatch Nuclear Plant (HNP). Currently, these responsibilities are held by Georgia Power Company, who acts for itself and on behalf of Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia (the Owners). In addition to Georgia Power Company, the other Owners are authorized by the NRC to possess Units 1 and 2 of HNP. Under the terms of the proposed amendments, the operating licenses will designate Southern Nuclear as the legal entity which will provide the technical and managerial resources for the continued safe operation of the facility and as the entity with exclusive responsibility and control over the physical construction, operation and maintenance of the facility. The

proposed license amendments involve no change in the ownership of the facility, no physical changes to the plant or any change to the entitlement to its power output.

All of the current license conditions will remain in effect and the Limiting Conditions for Operation, Limiting Safety System Settings, and Safety Limits specified in the Technical Specifications will remain unchanged. While the emergency plan, security plan, and the plant procedures related to those plans will require some administrative changes to reflect the new operating company, no changes will be made that decrease the effectiveness of these plans and procedures. Contractual agreements between Southern Nuclear and Georgia Power Company will also clearly ensure continued compliance with General Design Criterion 17. Similarly, contractual agreements will ensure that Southern Nuclear has authority to determine all activities within the exclusion area.

The technical qualifications of Southern Nuclear to carry out its responsibilities under the operating license, as amended, will be consistent with the present technical qualifications of Georgia Power Company. Since the creation of Southern Nuclear, Georgia Power Company has continued to act as the operator of HNP Units 1 and 2. When the amendments become effective, the present HNP on-site nuclear operation organization will be transferred intact to Southern Nuclear. The off-site nuclear operation organization of Georgia Power Company and the associated nuclear service organizations of Southern Company Services, Inc. have already been consolidated into functional areas of expertise within Southern Nuclear. Thus, technical qualifications of the HNP

project organization of Southern Nuclear will be equivalent to those of the existing organization.

Authorizing Southern Nuclear to become the licensed operator for HNP will be a positive step toward an integrated nuclear operating company with operating responsibility for multiple nuclear energy plants. Benefits from such a multi-plant, single-focus organization include the following:

- (1) As a result of the formation of Southern Nuclear as a nuclear operating company, management is devoted to the business of nuclear power operations. Such single-purpose management will be able to pursue overall excellence in nuclear power plant operations without distractions from the requirements and duties of other areas of the electric utility business.
- (2) Southern Nuclear will be a repository of nuclear operating and management expertise and experience. Consolidation of nuclear operations talent in one nuclear operating company will have a synergistic effect. The change will enhance both public safety and economic plant operation.
- (3) Southern Nuclear will be better able to provide a consistent vision for the philosophy of operation of multiple nuclear units. This common vision will allow development of a company philosophy which can be specifically designed for nuclear plant operations. This focused philosophy can be effectively used to achieve excellence in all aspects of nuclear operations more so than the broadly stated philosophies of the separate utilities.
- (4) As a result of the consolidation of off-site support organizations, there will be more effective communication and use of nuclear operating experience. For example, "lessons learned" by Southern Nuclear from multiple plant operations can be shared promptly, efficiently, and consistently.
- (5) Certain corporate support functions, such as administration and corporate communication functions, will become specialized and focused on the requirements of a nuclear operating company and will thereby be more effective in their support of all reactors Southern Nuclear may operate.
- (6) Southern Nuclear becoming the licensed operator will lead to a broader base and more competitive environment for upper management candidates who are specialized in nuclear power operation. Furthermore, it will provide an environment in which

employees will be highly motivated toward high performance. Southern Nuclear, as an NRC licensed operator, will provide greater opportunity for career progression and thus greater opportunity to retain valued employees.

- (7) More specifically, one result from amending the license as requested is that salary structures, career path policies and procedures for nuclear employees of Southern Nuclear will be separate and distinct from Georgia Power Company's non-nuclear employees. This will permit nuclear managers to focus upon the special needs, qualifications, and requirements of nuclear employees. Human resource and compensation policies tailored to nuclear operations will allow Southern Nuclear to be competitive in the market for skilled nuclear professionals without directly influencing, or being bound by, personnel policies and procedures governing non-nuclear personnel. The ability to attract superior nuclear talent and to retain quality individuals, once recruited, will have a direct and positive impact on the quality of overall nuclear plant operations.

The result sought by these license amendment requests is thus consistent with the views and perspective of the Nuclear Regulatory Commission in recent years, calling for strong and focused management of nuclear power plant operations.

C. Analysis

The following discussion provides a more specific analysis of the proposed amendments which addresses the three no significant hazards consideration standards delineated in 10 CFR 50.92(c):

1. The proposed change will not involve a significant increase in the probability or consequences of an accident previously evaluated. Southern Nuclear will employ, or contract as necessary, all technically qualified personnel necessary to become responsible for possession, management, operation, use, and maintenance at HNP. Therefore, it follows that the technical qualifications of employees of Southern Nuclear and its contractors will be consistent with those of Georgia Power Company presently. Personnel qualifications will remain the same as those discussed in the Technical Specifications and the FSAR.

The Georgia Power Company employees engaged in the operation of the plant will be reassigned to Southern Nuclear. The organizational structure of Southern Nuclear will provide for clear management control and effective lines of authority and

communication between the organizational units involved in the management, operation, and technical support for the operation of the facility.

As a result of the proposed changes, there also will be no physical changes to the facility and all Limiting Conditions for Operation, Limiting Safety System Settings, and Safety Limits specified in the Technical Specifications will remain unchanged. With the exception of administrative changes to reflect the organization of Southern Nuclear, the emergency plan, security plan, QA program and training program will be unaffected. Provisions will also be made for an orderly transfer of emergency preparedness and security support agreements. Contractual agreements will ensure continued compliance with General Design Criterion 1, as well as Southern Nuclear control over all activities within the exclusion area.

Therefore, the proposed change will not significantly increase the probability or consequences of an accident previously evaluated. In fact, due to the opportunity for increased management focus on nuclear operations afforded by this proposed amendment, the amendment will actually enhance public safety.

2. The proposed change will not create the possibility of a new or different kind of accident from any accident previously evaluated. The design and design bases of the plant remain the same. Therefore, the current plant safety analysis remains complete and accurate in addressing the licensing basis events and analyzing plant response and consequences.

The Limiting Conditions for Operation, Limiting Safety System Settings, and Safety Limits are not affected by the proposed change. With the exception of administrative changes to reflect the organization of Southern Nuclear, plant operating and emergency procedures are unaffected. As such, the plant conditions for which the design basis accident analyses have been performed are still valid. Therefore, the proposed change will not create the possibility of a new or different kind of accident than those previously evaluated.

3. The proposed change will not involve a significant reduction in a margin of safety. Since there will be no change to the physical design or operation of the plant, there will be no change to any margins. Further, the only changes to the Technical Specifications which have been proposed are to reflect the organization of Southern Nuclear. The proposed amendment therefore will not involve a significant reduction in a margin of safety.

D. Conclusion

Based upon the analysis provided herein, the proposed amendments will not involve a significant increase in the probability or consequences of an accident previously evaluated, create the possibility of a new or different kind of accident from any accident previously evaluated, or involve a significant reduction in a margin of safety. Therefore, the proposed amendments meet the requirements of 10 CFR 50.92(c) and do not involve a significant hazards consideration.

ATTACHMENT C
CHANGES TO OPERATING LICENSES
(INCLUDING TECHNICAL SPECIFICATIONS,
ENVIRONMENTAL TECHNICAL SPECIFICATIONS,
PROPOSED OPERATING LICENSES,
PROPOSED TECHNICAL SPECIFICATIONS CHANGED PAGES,
AND PROPOSED ETS CHANGED PAGES)

Attachment C
Description of Changes to the Operating Licenses

This section provides a general description of the changes to the operating licenses being proposed. The proposed revisions to the operating licenses, including Appendices A and B, are provided immediately following this description.

OPERATING LICENSES

The proposed operating license changes were created using the following criteria:

1. Southern Nuclear will be the operator and have exclusive responsibility and control over the physical construction, operation, and maintenance of the facility.
2. Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia and the City of Dalton, Georgia will be the owners of the facility.
3. Many license conditions required certain information be supplied to the NRC or certain activities be performed within certain time frames. Where license conditions were historical only and were required to be implemented during the time interval that only Georgia Power Company was authorized to possess, use, and operate the facility, Georgia Power Company is identified as the responsible party for that activity.
4. For clarification of the responsibilities between Southern Nuclear, Georgia Power Company and the other Owners of the facility, the use of the term "licensee" was generally avoided in modifying the operating licenses. In those places where the term licensee remains in the Technical Specifications and the Environmental Technical Specifications, unless otherwise noted, the reference is to Southern Nuclear.
5. Because Southern Nuclear will not own the assets of the facility, the financial provisions of Section 170 of the Atomic Energy Act of 1954 will apply only to the Owners and not to Southern Nuclear.
6. The Unit 2 license antitrust conditions were changed to remove the term licensee and to insert Georgia Power Company in the existing antitrust conditions. In addition, new sections were added stating that Southern Nuclear will not market or broker power or energy from the Edwin I. Hatch Nuclear Plant, Units 1 or 2.

Attachment C
Changes to the Operating Licenses

TECHNICAL SPECIFICATIONS (APPENDIX A TO THE OPERATING LICENSES)

The Technical Specifications identifies responsibilities of the licensee and utility in several places. In order to maintain consistency in terminology, the term licensee will be utilized as indicated in the operating license discussion above. Additionally, the title page of both the Unit 1 and Unit 2 Technical Specifications has been revised to reflect Southern Nuclear. In addition, a typographical error was corrected in the definition of "SITE BOUNDARY" in the Unit 1 Technical Specifications.

ENVIRONMENTAL TECHNICAL SPECIFICATIONS
(APPENDIX B TO THE OPERATING LICENSES)

When Southern Nuclear becomes the Edwin I. Hatch Nuclear Plant Units 1 and 2 licensed operator, Southern Nuclear also will become responsible for compliance with the Environmental Technical Specifications (ETS) and will enter into the necessary contractual arrangements to accomplish this task. As a part of this responsibility, the NPDES Permit and other environmental authorizations will be transferred or amended to designate Southern Nuclear as the holder. The NRC will be notified when this occurs.

Changes are being recommended to the ETS for Edwin I. Hatch Nuclear Plant, Units 1 and 2 as follows:

1. Since Southern Nuclear will become responsible for compliance with the ETS of each unit, the cover sheets for both Unit 1 and Unit 2 ETSS should be changed accordingly.
2. As indicated in the operating license section, within the ETS the term licensee will refer to Southern Nuclear. A definition has been added on Page 1-1 for both Units 1 and Unit 2 ETSS providing this clarification.
3. On page 1-1 for both Unit 1 and Unit 2 ETSS, references to Georgia Power Company in the definition of the NPDES permit have been revised to denote the licensee.
4. On pages 5-2 and 5-9 for both Unit 1 and Unit 2 ETSS, the title of the Manager-Environmental Affairs has been changed to the appropriate Southern Nuclear position and title: Manager-Environmental Services.
5. On page 5-3 for both Unit 1 and Unit 2 ETSS, section 5.3.2.1 should be revised due to the changes of responsibilities as noted in the Environmental Assessment section of the Application. This revision will provide that a description of the organization structure utilized

Attachment C
Changes to the Operating Licenses

to achieve an independent review will be maintained and made available for inspection. The proposed wording is similar to the Vogtle Electric Generating Plant Environmental Protection Plan previously approved by the NRC.

6. On page 5-3 for both Unit 1 and Unit 2 ETSSs, the references regarding where procedures are kept are being removed. Similarly, on page 5-9 for both Unit 1 and Unit 2 ETSSs, references regarding where records are stored are being removed. Procedures and records will continue to be kept and stored, as appropriate, under the control of the responsible organization. These revisions are due to the changes of responsibilities as noted in the Environmental Assessment section of the Application.

OPERATING LICENSE CHANGES
(EXCLUDING APPENDICES)
MARKED-UP VERSIONS



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

SOUTHERN NUCLEAR OPERATING COMPANY

OGLETHORPE POWER CORPORATION
MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA
CITY OF DALTON, GEORGIA

GEORGIA POWER COMPANY

DOCKET NO. 50-321

(Edwin I. Hatch Nuclear Plant Unit 1)

FACILITY OPERATING LICENSE

License No. DPR-57

1. The Atomic Energy Commission (the Commission) having found that:
 - A. The application for license filed by the Georgia Power Company¹ (~~the licensee~~) 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 and all required notifications to other agencies or bodies have been duly made;
 - B. Construction of the Edwin I. Hatch Nuclear Plant Unit 1 (facility) has been substantially completed in conformity with Construction Permit No. CPPR-65 and the application, as amended, the provisions of the Act and the rules and regulations of the Commission;
 - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
 - D. There is reasonable assurance: (i) that the activities authorized by this operating license can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the rules and regulations of the Commission;
Southern Nuclear Operating Company² (herein called Southern Nuclear)
 - E. ~~The licensee~~ is technically^{qualified} and financially qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;

together, Southern Nuclear and
the Owners are

1. }
2. } (See following page for footnotes)

1. Following the initial filing of the application for license, Oglethorpe Power Corporation, the Municipal Electric Authority of Georgia and The City of Dalton, Georgia became co-owners with Georgia Power Company (GPC) of the Edwin I. Hatch Nuclear Plant, Unit 1, and together with GPC are hereinafter referred to as the Owners.

2. Southern Nuclear Operating Company succeeds Georgia Power Company as the operator of the Edwin I. Hatch Nuclear Plant, Unit 1. Southern Nuclear is authorized by the Owners to exercise exclusive responsibility and control over the physical construction, operation and maintenance of the facility.

Owners have

- F. The licensee has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
- G. The issuance of this operating license will not be inimical to the common defense and security or to the health and safety of the public;
- H. After weighing the environmental, economic, technical, and other benefits of the facility against environmental costs and considering available alternatives, the issuance of Facility Operating License No. DPR-57 is in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements of said Appendix D have been satisfied; and
- I. The receipt, possession, and use of source, byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30, 40, and 70, including 10 CFR Sections 30.33, 40.32, 70.23 and 70.31.

2. Facility Operating License No. DPR-57 is hereby issued to the Georgia Power Company, the Oglethorpe Power Corporation, the Municipal Electric Authority of Georgia and the City of Dalton, Georgia to read as follows:

- A. This license applies to the Edwin I. Hatch Nuclear Plant Unit No. 1, a direct cycle boiling water reactor and associated equipment (the facility), owned by the Georgia Power Company, the Oglethorpe Power Corporation, the Municipal Electric Authority of Georgia and the City of Dalton, Georgia. The facility is located eleven miles north of Baxley in Appling County, Georgia, and is described in the 'Final Safety Analysis Report' as supplemented and amended (Amendments 9 through 46) and the Environmental Report as supplemented and amended (Supplement 1 and Amendment 1).
- B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses: ~~manage, maintain~~
- (1) ~~Pursuant to Section 104b of the Act and 10 CFR Part 50, Licensing of Production and Utilization Facilities, Georgia Power Company to possess, use, and operate the facility at the designated location in Appling County, Georgia, in accordance with the procedures and limitations set forth in this license; and the Georgia Power Company, the Oglethorpe Power Corporation, The Municipal Electric Authority of Georgia and the City of Dalton, Georgia to possess the facility in accordance with the procedures and limitations set forth in this license;~~
- but not operate

~~Southern Nuclear,~~ - 3 -

- (2) ~~Pursuant to the Act and 10 CFR Part 70, Georgia Power Company~~ 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;
- (3) ~~Pursuant to the Act and 10 CFR Parts 30, 40 and 70, Georgia Power Company~~ 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, Georgia Power Company~~ 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, Georgia Power Company~~ to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.

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 31, 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 conditions³ specified or incorporated below:

(1) Maximum Power Level

~~The Georgia Power Company~~ ^{Southern Nuclear} 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 through Amendment No. ~~158~~ are hereby incorporated in the license. ~~The licensee~~ shall operate the facility in accordance with the Technical Specifications.

Southern Nuclear

³ The original licensee authorized to possess, use and operate the facility was Georgia Power Company (GPC). Consequently, certain historical references to GPC remain in the license conditions.

- Southern Nuclear 7
- (3) ~~Georgia Power Company~~ shall implement and maintain in effect all provisions of the fire protection program, which is referenced in the Final Safety Analysis Report for the facility, as contained in the updated Edwin I. Hatch Nuclear Plant Units 1 and 2 Fire Hazards Analysis and Fire Protection Program, originally submitted by a letter dated July 22, 1986. ~~The licensee~~ may make changes to the fire protection program without prior approval of the Commission only if the changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.

2.C.(4) Physical Protection

Southern Nuclear

~~Georgia Power Company~~ shall fully implement and maintain in effect all provisions of the Commission-approved physical security, guard training and qualification, and safeguards contingency plans including amendments made pursuant to provisions of the Miscellaneous Amendments and Search Requirements revisions to 10 CFR 73.55 (51 FR 27817 and 27822) and to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The plans, which contain Safeguards Information protected under 10 CFR 73.21, are entitled: "Edwin I. Hatch Physical Security Plan," with revisions submitted through December 14, 1988; "Edwin I. Hatch Guard Training and Qualification Plan" with revisions submitted through October 24, 1988; and "Edwin I. Hatch Safeguards Contingency Plan," with revisions submitted through July 21, 1988. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.

Georgia Power Company

2.C.(5) ~~The licensee~~ shall submit, for the Commission's review and approval, plans for inspection and/or modification during the next refueling outage (following Cycle 7 operation and prior to startup for Cycle 8 operation) of the Recirculation and Reactor Heat Removal Systems piping. These plans shall be submitted to the Commission at least three months prior to the start of the next refueling outage.

D. Southern Nuclear shall not market or broker power or energy from Edwin I. Hatch Nuclear Plant, Unit 1.

E. ~~D.~~ This license is effective as of the date of issuance and shall expire at midnight, August 6, 2014.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by
Roger S. Boyd

for A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Attachment:
Appendices A & B - Technical Specifications

Amendment No. 161 3/18/89

Amendment No. 93 2/11/83

12/30/88

Amendment No. 159



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON D C 20555

SOUTHERN NUCLEAR OPERATING COMPANY
GEORGIA POWER COMPANY POWER
Oglethorpe Power Corporation
Municipal Electric Authority of Georgia
City of Dalton, Georgia

DOCKET NO. 50-366

EDWIN J. HATCH NUCLEAR PLANT, UNIT NO. 2

FACILITY OPERATING LICENSE

Owners

License No. 1-F-1

1. The Nuclear Regulatory Commission (the Commission) having found that:

- A. The application for license filed by Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, And the City of Dalton, Georgia (the Licensees) 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 1 and all required notifications to other agencies or bodies have been duly made;
- B. Construction of the Edwin J. Hatch Nuclear Plant, Unit No. 2 (the facility) has been substantially completed in conformity with Construction Permit No. CPPP-90 and the application, as amended, the provisions of the Act and the rules and regulations of the Commission;
- C. The facility requires exemptions from certain requirements of (1) Section 50.55a(g)(2) of 10 CFR Part 50, (2) Criterion 2 of Appendix A to 10 CFR Part 50, (3) Criterion 5D of Appendix A to 10 CFR Part 50, and (4) Appendices G and H to 10 CFR Part 50. These exemptions are described in the Office of Nuclear Reactor Regulation's safety evaluations supporting the granting of these exemptions which are enclosed in the letter dated June 13, 1978 transmitting this license. These exemptions are authorized by law and will not endanger life or property or the common defense and security and are otherwise in the public interest. The exemptions are, therefore, hereby granted. With the granting of these exemptions, the facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
- D. There is reasonable assurance: (i) that the activities authorized by this operating license can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the rules and regulations of the Commission;

Southern Nuclear Operating Company¹ (herein called Southern Nuclear)

- E. ~~Georgia Power Company~~ is technically qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;
- F. ~~Southern Nuclear and the Owners, together, Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and the City of Dalton, Georgia~~ are financially qualified to engage in the activities authorized by this operating license in accordance with the rules and regulations of the Commission;
- G. ~~The Owners~~ have satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
- H. The issuance of this operating license will not be inimical to the common defense and security or to the health and safety of the public;
- I. After weighing the environmental, economic, technical and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of Facility Operating License No. NPF-5 subject to the conditions for protection of the environment set forth herein, is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied; and
- J. The receipt, possession, and use of source, byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30, 40 and 70, including 10 CFR Sections 30.33, 40.32, 70.22 and 70.31.

Southern Nuclear,

2. Facility Operating License No. NPF-5 is hereby issued to Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and the City of Dalton, Georgia to read as follows:

- 1. The license applies to the Edwin I. Hatch Nuclear Plant, Unit No. 1, a boiling water reactor and associated equipment (the facility) owned by Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and the City of Dalton, Georgia. The facility is located in Appling County, Georgia, and is described in the Final Safety Analysis Report as supplemented and amended (Amendments 18 through 45) and the Environmental Report as supplemented and amended (Supplements 1 and 2 and Amendment 1).

and operated by Southern Nuclear.

¹ Southern Nuclear Operating Company succeeds Georgia Power Company as operator of the Edwin I. Hatch Nuclear Plant, Unit 2. Southern Nuclear is authorized by the Owners to exercise exclusive responsibility and control over the physical construction, operation and maintenance of the Facility.

Amendment No. 14 4/1/74

Amendment 14 4/1/74

B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses: ~~Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and the City of Dalton, Georgia.~~

manage, maintain
(1) ~~Southern Nuclear,~~
Pursuant to Section 103 of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to ~~possess, use, and Georgia Power Company to operate the~~ facility at the designated location in Appling County, Georgia, in accordance with the procedures and limitations set forth in this license;

3
(2) ~~Southern Nuclear,~~
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;

4
(3) ~~Southern Nuclear,~~
Pursuant to the Act of 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;

5
(4) ~~Southern Nuclear,~~
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; and

6
(5) ~~Southern Nuclear,~~
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.

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; and 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 conditions² specified or incorporated below:

(2) ~~Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and the City of Dalton, Georgia,~~ pursuant to the Act and 10 CFR Part 50, to possess but not operate the facility at the designated location in Appling County, Georgia, in accordance with the procedures and limitations set forth in this license;

² The original licensee authorized to possess, use, and operate the Facility was Georgia Power Company (GPC). Consequently, certain historical references to GPC remain in the license conditions.

(1) Maximum Power Level

~~Georgia Power Company~~ Southern Nuclear
is authorized to operate the facility
at steady state reactor core power levels not in excess of
2436 megawatts thermal in accordance with the conditions
specified herein and in Attachment 2 to this license.
Attachment 2 is an integral part of this license.

(2) Technical Specifications

The Technical Specifications contained in Appendices A and
B, as revised through Amendment No. ~~46~~, are hereby incor-
porated in the license. ~~The licensee shall operate the~~
facility in accordance with the Technical Specifications.

← Southern Nuclear

(3) Additional Conditions

The matters specified in the following conditions shall be
completed to the satisfaction of the Commission within the
stated time periods following the issuance of the license
or within the operational restrictions indicated. The
removal of these conditions shall be made by an amendment
to the license supported by a favorable evaluation by the
Commission.

~~(a) Fuel Performance~~

~~Georgia Power Company shall, prior to startup for that~~
~~cycle of operation in which burnups greater than 20,000~~
~~megawatt days per ton of uranium are expected to be~~
~~obtained, provide for Commission review and obtain~~
~~Commission approval of fuel cycle calculations and~~
~~other affected analyses utilizing fission gas release~~
~~calculational methodology approved for burnups greater~~
~~than 20,000 megawatt days per ton of uranium.~~

- (b) ~~Georgia Power Company~~ ^{Southern Nuclear} shall implement and maintain in effect all provisions of the fire protection program, which is referenced in the Final Safety Analysis Report for the facility, as contained in the updated Edwin I. Hatch Nuclear Plant Units 1 and 2 Fire Hazards Analysis and Fire Protection Program, originally submitted by a letter dated July 22, 1986. The ~~licensee~~ may make changes to the fire protection program without prior approval of the Commission only if the changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.
- GPC

[illegible]

9

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- (1) Elimination of any test identified in Section 14 of the Final Safety Analysis Report as essential.
- (2) Modification of test objectives, methods or acceptance criteria for any test identified in Section 14 of the Final Safety Analysis Report as essential.
- (3) Performance of any test identified in Section 14 of the Final Safety Analysis Report as essential at a power level different by more than five (5) percent of rated power from that described.
- (4) Failure to complete all tests included in the described program (planned or scheduled for power levels up to the authorized power level) prior to exceeding a core burnup of one hundred and twenty (120) effective full power days.

2.D. Physical Protection

~~Southern Nuclear~~
~~Georgia Power Company~~ shall fully implement and maintain in effect all provisions of the Commission-approved physical security, guard training and qualification, and safeguards contingency plans including amendments made pursuant to provisions of the Miscellaneous Amendments and Search Requirements revisions to 10 CFR 73.55 (51 FR 27817 and 27822) and to the authority of 10 CFR 50.90 and 10 CFR 50.54(p). The plans, which contain Safeguards Information protected under 10 CFR 73.21, are entitled: "Edwin I. Hatch Physical Security Plan," with revisions submitted through December 14, 1988; "Edwin I. Hatch Guard Training and Qualification Plan" with revisions submitted through October 24, 1988; and "Edwin I. Hatch Safeguards Contingency Plan," with revisions submitted through July 21, 1988. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.

- E. This license is subject to the following additional condition for the protection of the environment:

activities → Before engaging in additional construction or operational activities which may result in a significant adverse environmental impact that was not evaluated or that is significantly greater than that evaluated in the Final Environmental Statement (NUREG-0417), ~~the licensee~~ shall provide written notification to the Director, Office of Nuclear Reactor Regulation.

Southern Nuclear →

- F. This license is subject to the following antitrust conditions:

(1) As used herein:

- (a) "Entity" means any financially responsible person, private or public corporation, municipality, county, cooperative, association, joint stock association or business trust, owning, operating or proposing to own

or operate equipment or facilities within the State of Georgia (other than Chatham, Effingham, Fannin, Towns and Union Counties) for the generation, transmission or distribution of electricity, provided that, except for municipalities, counties, or rural electric cooperatives, "entity" is restricted to those which are or will be public utilities under the laws of the State of Georgia or under the laws of the United States, and are or will be providing retail electric service under a contract or rate schedule on file with and subject to the regulation of the Public Service Commission of the State of Georgia or any regulatory agency of the United States, and, provided further, that as to municipalities, counties or rural electric cooperatives, "entity" is restricted to those which provide electricity to the public at retail within the State of Georgia (other than Chatham, Effingham, Fannin, Towns and Union Counties) or to responsible and legally qualified organizations of such municipalities, counties and/or cooperatives in the State of Georgia (other than Chatham, Effingham, Fannin, Towns and Union Counties) to the extent they may bind their members.

- (1) "Power Company" means Georgia Power Company, any successor, assignee of this license, or assignee of all or substantially all of Georgia Power Company's assets, and any affiliate or subsidiary of Georgia Power Company to the extent it engages in the ownership of any bulk power supply generation or transmission resource in the State of Georgia (but specifically not including (1) flood rights and other land rights acquired in the State of Georgia incidental to hydroelectric generation facilities located in another state and (2) facilities located west of the thread of the stream on that part of the Chattahoochee River serving as the boundary between the States of Georgia and Alabama).
- (2) Power Company recognizes that it is often in the public interest for those engaging in bulk power supply and purchases to interconnect, coordinate for reliability and economy, and engage in bulk power supply transactions in order to increase interconnected system reliability and reduce the costs of electric power. Such arrangements must provide

for Power Company's costs (including a reasonable return) in connection therewith and allow other participating entities full access to the benefits available from interconnected bulk power supply operations and must provide net benefits to Power Company. In entering into such arrangements neither Power Company nor any other participant should be required to violate the principles of sound engineering practice or forego a reasonably contemporaneous alternative arrangement with another, developed in good faith in arms length negotiations (but not including arrangements between Power Company and its affiliates or subsidiaries which impair entities' rights hereunder more than they would be impaired were such arrangements made in good faith between Power Company and a non-affiliate or non-subsidiary) which affords it greater benefits. Any such arrangement must provide for adequate notice and joint planning procedures consistent with sound engineering practice, and must relieve Power Company from obligations undertaken by it in the event such procedures are not followed by any participating entity.

Power Company recognizes that each entity may acquire some or all of its bulk power supply from sources other than Power Company.

In the implementation of the obligations stated in the succeeding paragraphs Power Company and entities shall act in accordance with the foregoing principles, and these principles are conditions to each of Power Company's obligations herein undertaken.

- (3) Power Company shall interconnect with any entity which provides, or which has undertaken firm contractual obligations to provide, some or all of its bulk power supply from sources other than Power Company on terms to be included in an interconnection agreement which shall provide for appropriate allocation of the costs of interconnection facilities; provided however, that if an entity undertakes to negotiate such a firm contractual obligation, the Power Company shall, in good faith, negotiate with such entity concerning any proposed interconnection. Such interconnection agreement shall provide, without undue preference or discrimination, for the following among other things, insofar as consistent with the operating necessities of Power Company's and any participating entity's systems:

- (a) maintenance and coordination of reserves, including, where appropriate, the purchase and sale thereof,
- (b) emergency support,
- (c) maintenance support,
- (d) economy energy exchanges,
- (e) purchase and sale of firm and non-firm capacity and energy,
- (f) economic dispatch of power resources within the State of Georgia,

provided, however, that in no event shall such arrangements impose a higher percentage of reserve requirements on the participating entity than that maintained by Power Company for similar resources.

- (4) Power Company shall sell full requirements power to any entity. Power Company shall sell partial requirements power to any entity. Such sales shall be made pursuant to rates on file with the Federal Power Commission, or any successor regulatory agency, and subject to reasonable terms and conditions.
- (5) (a) Power Company shall transmit ("transmission service") bulk power over its system to any entity or entities with which it is interconnected, pursuant to rate schedules on file with the Federal Power Commission which will fully compensate Power Company for the use of its system, to the extent that such arrangements can be accommodated from a functional engineering standpoint and to the extent that Power Company has surplus line capacity or reasonably available funds to finance new construction for this purpose. To the extent the entity or entities are able, they shall reciprocally provide transmission service to Power Company. Transmission service will be provided under this subparagraph for the delivery of power to an entity for its or its members' consumption and retail distribution or for casual resale to another entity for (1) its consumption or (2) its retail distribution. Nothing contained herein shall require the Power Company to transmit bulk power so as

to have the effect of making the Tennessee Valley Authority ("TVA") or its distributors, directly or indirectly, a source of power supply outside the area determined by the TVA Board of Directors by resolution of May 16, 1965 to be the area for which the TVA or its distributors were the primary source of power supply on July 1, 1957, the date specified in the Revenue Bond Act of 1959, 16 USC 831 n-4.

- (5) Power Company shall transmit over its system from any entity or entities with which it is interconnected, pursuant to rate schedules on file with the Federal Power Commission which will fully compensate Power Company for the use of its system, bulk power which results from any such entity having excess capacity available from self-owned generating resources in the State of Georgia, to the extent such excess necessarily results from economic unit sizing or from failure to forecast load accurately or from such generating resources becoming operational earlier than the planned in-service date, to the extent that such arrangements can be accommodated from a functional engineering standpoint, and to the extent Power Company has surplus line capacity available.
- (6) Upon request, Power Company shall provide service to any entity purchasing partial requirements service, full requirements service or transmission service from Power Company at a delivery voltage appropriate for loads served by such entity, commensurate with Power Company's available transmission facilities. Sales of such service shall be made pursuant to rates on file with the Federal Power Commission or any successor regulatory agency, and subject to reasonable terms and conditions.
- (7) Upon reasonable notice, Power Company shall grant any entity the opportunity to purchase an appropriate share in the ownership of, or, at the option of the entity, to purchase an appropriate share of unit power from each of the following nuclear generating units at Power Company's costs, to the extent the same are constructed and operated: Hatch 2, Vogtle 1, Vogtle 2, Vogtle 3, Vogtle 4, and any other nuclear generating unit constructed by Power Company in the State of Georgia which, in the application filed with the USAEC or its successor agency, is scheduled for commercial operation prior to January 1, 1989.

An entity's request for a share must have regard for the economic size of such nuclear unit(s), for the entity's load size, growth and characteristics, and for demands upon Power Company's system from other entities and Power Company's retail customers, all in accordance with sound engineering practice. Executory agreements to accomplish the foregoing shall contain provisions reasonably specified by Power Company requiring the entity to consummate and pay for such purchase by an early date or dates certain. For purposes of this provision, "unit power" shall mean capacity and associated energy from a specified generating unit.

(8)
(9)

To effect the foregoing conditions, the following steps shall be taken:

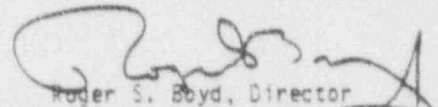
- (a) Power Company shall file with the appropriate regulatory authorities and thereafter maintain in force as needed an appropriate transmission tariff available to any entity;
- (b) Power Company shall file with the appropriate regulatory authorities and thereafter maintain in force as needed an appropriate partial requirements tariff available to any entity; Power Company shall have its liability limited to the partial requirements service actually contracted for and the entity shall be made responsible for the security of the bulk power supply resources acquired by the entity from sources other than the Power Company;
- (c) Power Company shall amend the general terms and conditions of its current Federal Power Commission tariff and thereafter maintain in force as needed provisions to enable any entity to receive bulk power at transmission voltage at appropriate rates;
- (d) Power Company shall not have the unilateral right to defeat the intended access by each entity to alternative sources of bulk power supply provided by the conditions to this license; but Power Company shall retain the right to seek regulatory approval of changes in its tariffs to the end that it be adequately compensated for services it provides, specifically including, but not limited to, the provisions of Section 205 of the Federal Power Act;

(2) Southern Nuclear shall not market or broker power or energy from Edwin I. Hatch Nuclear Plant, Unit 2. Georgia Power Company shall continue to be responsible for compliance with the obligations imposed on it in its antitrust license conditions. Georgia Power Company is responsible and accountable for the actions of Southern Nuclear, to the extent that Southern Nuclear's actions may, in any way, contravene the existing antitrust license conditions.

- (e) Power Company shall use its best efforts to amend any outstanding contract to which it is a party that contains provisions which are inconsistent with the conditions of this license;
- (f) Power Company affirms that no consents are or will become necessary from Power Company's parent, affiliates or subsidiaries to enable Power Company to carry out its obligations hereunder or to enable the entities to enjoy their rights hereunder;
- (g) All provisions of these conditions shall be subject to and implemented in accordance with the laws of the United States and of the State of Georgia, as applicable, and with rules, regulations and orders of agencies of both, as applicable.

G. This license is effective as of the date of issuance and shall expire at midnight, June 13, 2018.

FOR THE NUCLEAR REGULATORY COMMISSION



Roger S. Boyd, Director
Division of Project Management
Office of Nuclear Reactor Regulation

Attachments:

- 1. Appendices A and B - Technical Specifications
- 2. Items to be Completed Prior to Opening Main Steam Isolation Valves

Date of Issuance: JUN 13 1978

ATTACHMENT 2

ITEMS TO BE COMPLETED PRIOR TO OPENING MAIN STEAM ISOLATION VALVES DURING REACTOR OPERATION

Georgia Power Company shall prior to opening the main steam isolation valves during reactor operation, complete to the satisfaction of the Commission, the testing and significant incomplete work list items which affect the operability of the following systems:

- | | | |
|-----|------------|-------------------------------------|
| 1. | 2C91-3510 | PROCESS COMPUTER SYSTEM |
| 2. | 2D11-3510 | OFF GAS RADIATION MONITORING SYSTEM |
| 3. | 2D12-3510 | TIP SYSTEM |
| 4. | 2G11-3510C | RADWASTE - SOLID |
| 5. | 2G11-3510D | RADWASTE - CHEMICAL |
| 6. | 2G11-3510E | RADWASTE - CONVEYOR |
| 7. | 2N21-3510 | CONDENSATE SYSTEM |
| 8. | 2N21-3520 | REACTOR FEEDWATER SYSTEM |
| 9. | 2N30-3510 | TURBINE & AUXILIARIES |
| 10. | 2N36-3510 | EXTRACTION STEAM & FEEDWATER HEATER |
| 11. | 2N61-3510 | CONDENSER & AUXILIARIES |
| 12. | 2N62-3510 | OFF GAS SYSTEM |
| 13. | 2N71-3510 | CONDENSER CIRCULATING WATER SYSTEM |
| | 2P33-3510 | SAMPLING SYSTEM |
| | 2P70-3510 | DRYWELL PNEUMATICS SYSTEM |
| 16. | 2W24-3510 | COOLING TOWER SYSTEM |

Georgia Power Company shall not open the main steam isolation valves during reactor operation without prior written authorization from the Commission.

Note: All items acceptable, completed per letter of authorization, July 20, 1978.
See Author ion Tab for full power.