

ENCLOSURE

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter of )  
 )  
GEORGIA POWER COMPANY )  
 )  
 )  
(Vogtle Electric Generating )  
Plant, Unit Nos. 1 and 2) )

Docket Nos. 50-424  
50-425

APPLICATION TO AMEND FACILITY  
OPERATING LICENSE NOS. NPF-68 AND NPF-81

This is an application to amend Facility Operating License Nos. NPF-68 and NPF-81, 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 Vogtle Electric Generating Plant (VEGP), located in Burke 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. NPF-68 for VEGP Unit 1 and NPF-81 for VEGP 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 VEGP 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 VEGP. 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 Edwin I. Hatch Nuclear Plant and 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 part of its goal of Southern Nuclear becoming the exclusive licensed operator of the Owners' facilities, Georgia Power Company, for itself and on behalf of the other Owners, seeks authority for Southern Nuclear to become the licensed operator of VEGP 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 Edwin I. Hatch Nuclear Plant.

Once the requested license amendments are granted, the terms and conditions governing Southern Nuclear serving as the licensed operator for VEGP 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 VEGP and to make all necessary and desirable decisions to this end. Importantly, Southern Nuclear will have no entitlement to power output from VEGP or authority to dispatch, broker or market the energy generated. The Owners will remain on the VEGP 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 VEGP. 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. NPF-68 and NPF-81 to authorize Southern Nuclear, as the exclusive licensed operator, to possess, manage, use, operate and maintain VEGP 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. NPF-68 and NPF-81 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 VEGP Units 1 and 2 at the designated location in Burke 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 Burke 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 VEGP.

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 VEGP 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 Edwin I. Hatch Nuclear 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 <sup>1</sup> President and Chief Executive Officer	Post Office Box 1295 Birmingham, Alabama 35201-1295
W. G. Hairston, III <sup>2</sup> Executive Vice President	Post Office Box 1295 Birmingham, Alabama 35201-1295
J. W. Averett 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. <sup>3</sup> Vice President	Post Office Box 1295 Birmingham, Alabama 35201-1295
C. K. McCoy <sup>4</sup> Vice President	Post Office Box 1295 Birmingham, Alabama 35201-1295

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<sup>1</sup> Mr. McDonald is also currently an Executive Vice President of Georgia Power Company.

<sup>2</sup> Mr. Hairston is also currently a Senior Vice President of Georgia Power Company.

<sup>3</sup> Mr. Beckham is also currently a Vice President of Georgia Power Company.

<sup>4</sup> 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

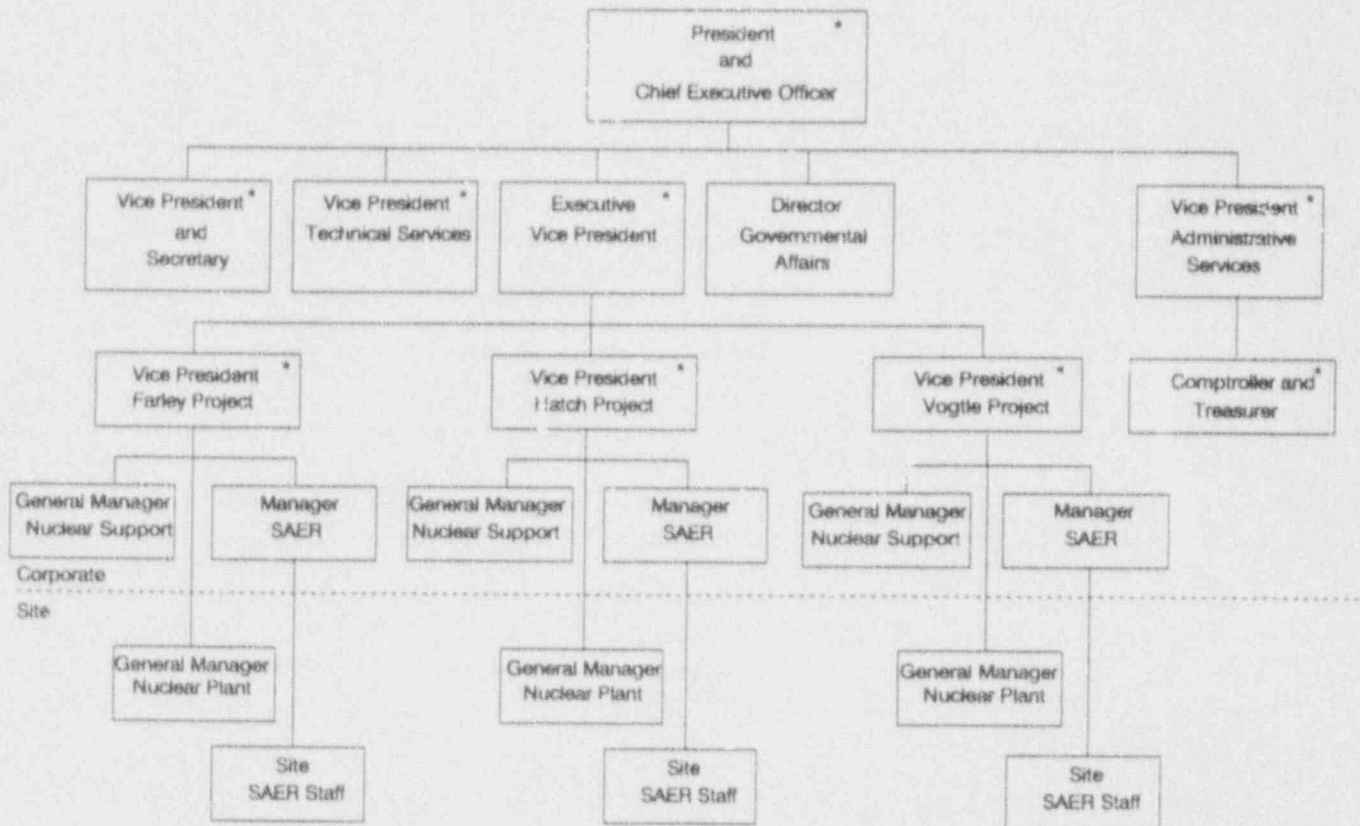
64 Perimeter Center East  
Atlanta, Georgia 30346

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 VEGP 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 VEGP 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 VEGP 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 <sup>\*\*</sup> (Proposed)



\* Southern Nuclear Officer

\*\* Chart assumes that Southern Nuclear will operate Edwin I. Hatch Nuclear 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 VEGP 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 VEGP 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 VEGP. 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 VEGP 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 VEGP. 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 VEGP, as well as to the Hatch 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 VEGP Project

(1) On-Site Organization

After amendment of the facility operating licenses as requested in this application, no change in the VEGP 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 VEGP will continue to have unescorted access authorization without further evaluation after Southern Nuclear becomes the exclusive licensed operator of VEGP. The intention is that these employees will retain their unescorted access to VEGP 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 VEGP support and quality assurance organizations. Functional areas for the VEGP support group will include administrative, emergency planning, licensing, engineering, and maintenance support.

The VEGP Manager-Safety Audit and Engineering Review (MSAER) will report to the VEGP Vice President, who will be the final management authority responsible for developing, implementing, reviewing, and amending the Operations Quality Assurance Program (OQAP). (The SAER VEGP 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 VEGP support organization. The VEGP MSAER will be the secretary of the VEGP off-site Safety Review Board (SRB). The OQAP 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 VEGP 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 VEGP, 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 VEGP 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 VEGP 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 decommissioning<sup>5</sup> 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 qualification will exist after the license amendments become effective.

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<sup>5</sup> 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.

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 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 VEGP 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 VEGP 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 each license:

Southern Nuclear shall not market or broker power or energy from Vogtle Electric Generating Plant, [Unit 1 or Unit 2, as appropriate]. Georgia Power Company shall continue to be responsible for compliance with the obligations imposed on it in

its antitrust license conditions in this Appendix C. 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 VEGP'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 VEGP, 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 VEGP, Southern Nuclear will have authority to determine all activities within the VEGP "Exclusion Area," as that term is defined in the VEGP 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 VEGP plant site, including the facilities, equipment, switchyard and personal property located on the site.<sup>6</sup> 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 VEGP's compliance with the physical security requirements of 10 CFR Part 73 as set forth in the VEGP Security Plan, Contingency 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

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<sup>6</sup> 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.

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).

E. Quality Assurance Program

The proposed license amendments will not alter VEGP'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 VEGP. Upon Southern Nuclear becoming the licensed operator, Southern Nuclear will become responsible for present functions associated with the VEGP quality assurance program. The function and structure of the VEGP 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 VEGP'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 VEGP, 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. 50-424 and 50-425 should be directed to Southern Nuclear as all applicable correspondence related to VEGP 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 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 VEGP. 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 VEGP. 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 VEGP. 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. C. K. McCoy  
Vice President - Vogtle Project  
Georgia Power Company  
Post Office Box 1295  
Birmingham, Alabama 35201-1295

With a copy to:

Arthur H. Dombey, 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 the other Owners, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia respectfully request that this application for an amendment to Facility Operating License Nos. NPF-68 and NPF-81 be granted.

AFFIRMATION

I, C. K. McCoy, 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 Vogtle Electric Generating 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:

*C.K. McCoy*

C. K. McCoy

Sworn to and subscribed before me this 4<sup>th</sup> day of September 1992.

*Mary A. Bentley*

Notary Public

My Commission Expires: \_\_\_\_\_

MY COMMISSION EXPIRES MAY 6, 1995

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

ATTACHMENT A

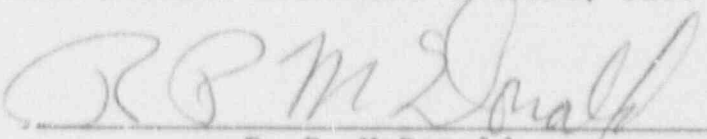
UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter of	)	
	)	
GEORGIA POWER COMPANY	)	
	)	Docket Nos. 50-424
	)	50-425
(Vogtle Electric Generating	)	
Plant, Unit Nos. 1 and 2)	)	

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. NPF-68 and NPF-81" 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. NPF-68 and NPF-81 for Units 1 and 2 of the Vogtle Electric Generating 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 Vogtle Electric Generating Plant (VEGP). 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 VEGP. 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 VEGP Units 1 and 2. When the amendments become effective, the present VEGP 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 VEGP project organization of Southern Nuclear will be equivalent to those of the existing organization.

Authorizing Southern Nuclear to become the licensed operator for VEGP 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 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 VEGP. 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 17 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 PROTECTION  
PLAN, AND ANTITRUST CONDITIONS)

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, B and C, 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, Ogelthorpe Power Corporation, Municipal Electric Authority of Georgia, and 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 was used to identify 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 Protection Plan, 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.

TECHNICAL SPECIFICATIONS (APPENDIX A TO THE OPERATING LICENSES)

Several places in the Technical Specifications identify responsibilities of the licensee. In order to clarify these responsibilities, as indicated under the operating license discussion above, the term licensee has been defined as Southern Nuclear on Page 1-4 of the Technical Specifications.

#### ENVIRONMENTAL PROTECTION PLAN (APPENDIX B TO THE OPERATING LICENSES)

When Southern Nuclear becomes the VEGP Units 1 and 2 licensed operator, Southern Nuclear also will become responsible for compliance with the Environmental Protection Plan (EPP) 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 in accordance with Section 3.2 of the EPP.

Changes are being recommended to the EPP for VEGP, Units 1 and 2 as follows:

1. Since Southern Nuclear will become responsible for compliance with the EPP of each unit, the cover sheet should be changed accordingly.
2. As indicated above in the operating license section, within the EPP the term licensee will refer to Southern Nuclear. A note has been added on Page 1-1 providing this clarification.
3. Section 4.2.3 titled "Maintenance of Transmission Line Corridors" specifies that herbicide records be maintained by the "licensee's" Transmission Operating and Maintenance Department. Since the transmission line corridors will continue to be maintained by Georgia Power Company, the phrase "licensee's" will be changed to "Georgia Power Company's". In accordance with Section 5.1 of the EPP, Southern Nuclear will review and audit the EPP programs, including those aspects of the EPP being maintained by Georgia Power Company, to assure compliance.
4. Section 4.2.4 requires that Georgia Power Company provide in its annual report any transmission noise monitoring complaints related to specific VEGP transmission lines and the actions taken in response to those complaints. Since Southern Nuclear will be responsible for the annual report and since such complaints could be received by Southern Nuclear, this section has been changed to read "Complaints received by Georgia Power Company or Southern Nuclear".

#### ANTITRUST CONDITIONS (APPENDIX C TO THE OPERATING LICENSES)

The antitrust conditions were changed to remove the term licensee so as to more clearly denote Georgia Power Company in the existing antitrust conditions. In addition, a new section was added stating that Southern Nuclear will not market or broker power or energy from the VEGP.

OPERATING LICENSE CHANGES  
(EXCLUDING APPENDICES A, B and C)





UNITED STATES  
 NUCLEAR REGULATORY COMMISSION  
 WASHINGTON, D. C. 20540

SOUTHERN NUCLEAR OPERATING COMPANY

GEORGIA POWER COMPANY  
OGLETHORPE POWER CORPORATION  
MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA  
CITY OF DALTON, GEORGIA  
DOCKET NO. 50-424  
VOGTLE ELECTRIC GENERATING PLANT, UNIT 1  
FACILITY OPERATING LICENSE

License No. NPF-68

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
- A. The application for license filed by the Georgia Power Company acting for itself, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia, ~~(the licensees)~~ <sup>(the Owners)</sup> complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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 Vogtle Electric Generating Plant, Unit 1 (the facility) has been substantially completed in conformity with Construction Permit No. CPPR-108 and the application, as amended, the provisions of the Act and the regulations of the Commission;
  - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission (except as exempted from compliance in Section 2.D. below);
  - 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 Commission's regulations set forth in 10 CFR Chapter I (except as exempted from compliance in Section 2.D. below);

*Southern Nuclear Operating Company\* (herein called Southern Nuclear,*

- E. ~~Georgia Power Company~~ is technically qualified to engage in the activities authorized by this license in accordance with the Commission's regulations set forth in 10 CFR Chapter I; *and, together, Southern Nuclear and the Owners are financially qualified*

~~Georgia Power Company is authorized to act as agent for the Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia, and has exclusive responsibility and control over the physical construction, operation, and maintenance of the facility.~~

\* Southern Nuclear succeeds Georgia Power Company as the operator of Vogtle Electric Generating 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

- F. The licensees have 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 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 and other costs and considering available alternatives, the issuance of this Facility Operating License No. NPF-68, subject to the conditions for protection of the environment set forth in the Environmental Protection Plan attached as Appendix B, is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied;
- 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.

2. Based on the foregoing findings and the Partial Initial Decision and the Concluding Partial Initial Decision issued by the Atomic Safety and Licensing Board on August 27 and December 23, 1986, respectively, regarding this facility and satisfaction of conditions therein imposed, and pursuant to approval by the Nuclear Regulatory Commission at a meeting held on March 12, 1987, Facility Operating License No. NPF-61, issued on January 16, 1987, is superseded by Facility Operating License No. NPF-68, hereby issued to the Georgia Power Company (GPC), Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia (the licensees) to read as follows:

Southern Nuclear,

A. This license applies to the Vogtle Electric Generating Plant, Unit 1, a pressurized water reactor and associated equipment (the facility) owned by GPC, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia. The facility is located ~~on the license site~~ in Burke County, Georgia, on the west bank of the Savannah River approximately 25 miles south of Augusta, Georgia, and is described in ~~Georgia Power Company's~~ Final Safety Analysis Report, as supplemented and amended, and in ~~its~~ Environmental Report, as supplemented and amended; *and operated by Southern Nuclear.*

B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:

- Southern Nuclear* maintain,
- (1) *manage,* ~~GPC,~~ pursuant to Section 103 of the Act and 10 CFR Part 50, to possess, use, and operate the facility at the designated location in Burke County, Georgia, in accordance with the procedures and limitations set forth in this license;
- Georgia Power Company,*
- (2) ~~Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia,~~ pursuant to the Act and 10 CFR Part 50, to possess the facility at the designated location in Burke County, Georgia, in accordance with the procedures and limitations set forth in this license;

*but not operate*

*Southern Nuclear*

- (3) ~~SPC~~, 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;

*Southern Nuclear*

- (4) ~~SPC~~, pursuant to the Act and 10 CFR Parts 30, 40, and 70 to receive, possess, and use at any time any byproduct, source and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;

*Southern Nuclear*

- (5) ~~SPC~~, 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;

*Southern Nuclear*

- (6) ~~SPC~~, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility authorized herein.

C. This license shall be deemed to contain and is subject to the conditions specified in the Commission's regulations set forth in 10 CFR Chapter I 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 conditions specified or incorporated below.

(1) Maximum Power Level

*Southern Nuclear*

~~SPC~~ is authorized to operate the facility at reactor core power levels not in excess of 3411 megawatts thermal (100 percent power) in accordance with the conditions specified herein.

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. ~~400~~, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into this license. ~~SPC~~ shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.



(3) Initial Startup Test Program (Section 14, SER)\* *Southern Nuclear*

Any changes to the Initial Test Program described in Section 14 of the FSAR made in accordance with the provisions of 10 CFR 50.59 shall be reported in accordance with 50.59(b) within one month of such change.

\* The parenthetical notation following the title of many license conditions denotes the section of the Safety Evaluation Report and/or its supplements wherein the license condition is discussed.

(4) Emergency Planning (Section 13.3, SER and SSERs 2, 3, 4, and 5)

In the event that the NRC finds that the lack of progress in completion of the procedures in the Federal Emergency Management Agency's final rule, 44 CFR Part 350, is an indication that a major substantive problem exists in achieving or maintaining an adequate state of emergency preparedness, the provisions of 10 CFR Section 50.54(s)(2) will apply.

(5) Steam Generator Tube Rupture (Section 15.6.3, SER and SSER 3)

By March 1, 1988, GPC shall submit for NRC review a revised plant-specific steam generator tube rupture analysis based on the Westinghouse Owner's Group generic resolution, which includes radiological consequence analyses, analysis of steamline static load in the event of overfill, and justification that systems and components credited in the analysis to mitigate accident consequences are safety related.

(6) Transamerica Delaval, Inc. (TDI) Diesel Generators  
(Section 9.5.4, SER and SSERs 4 and 5)

*Southern  
Nuclear  
shall*

~~GPC shall~~ implement the TDI diesel generator requirements as specified in Attachment 1. Attachment 1 is hereby incorporated into this license.

(7) NUREG-0737 Items

- a. Compliance with NUREG-0737, Item II.F.2 (Section 4.4.8, SER and SSERs 1 and 4)

In accordance with NUREG-0737, Item II.F.2, GPC shall submit the proposed reactor vessel level instrumentation system (RVLIS) report by June 1, 1987.

- b. Supplemental Report on Safety Parameter Display System  
(Section 18.2, SSER 6)

GPC shall submit by March 1, 1988, a supplemental report on the safety parameter display system as discussed in Section 18.2 of SSER 6.

- c. Supplemental Summary Report on Detailed Control Room Design Review (Section 18, SSER 5)

GPC shall submit by March 1, 1988, a Supplemental Summary report on the detailed control room design review discussing:

1. the final results of the remaining control room surveys (ambient noise; illumination; heating, ventilation, and air conditioning; plant safety monitoring system computer survey; automatic turbine supervisory instrumentation computer survey; and communications) and the resolution of any human engineering discrepancies (HEDs) resulting from these surveys

2. a complete assessment of cumulative and interactive effects of the HEDs
3. the completed review of annunciator nuisance alarms and modifications to minimize nuisance alarms and the number of annunciator windows lit during normal operations
4. documentation showing tradeoff analyses and other information used in resolving HEDs
5. the methodology by which control room changes were to be factored into the operators' training program
6. procedures that incorporate human factors review into the design process for future control room modifications

(8) Zinc Coating of Diesel Fuel Oil Storage Tanks (Section 9.5.4.2, SSER 4)

Prior to restart following the first refueling, GPC shall

- (1) replace the zinc coating in the diesel generator fuel oil storage tanks with a coating which does not contain zinc or
- (2) by March 1, 1988 provide an acceptable justification to the staff that the present fuel oil storage tank zinc-based coating will not affect the operability and reliability of the diesel generators over the life of the plant as specified in IE Circular 77-15.

If option (1) is chosen, GPC shall provide the NRC with a modification status report 30 days before the expiration of the license condition.

(9) Alternate Radwaste Facility (Section 11.4, SSERs 3 and 4)

Prior to restart following the first refueling, the ventilation exhaust of the alternate radwaste facility shall be modified to exhaust through HEPA filters already installed in the auxiliary building HVAC system.

GPC shall provide the NRC with a modification status report 30 days before the expiration of the license condition.

- D. The facility requires exemptions from certain requirements of 10 CFR Part 50 and 10 CFR Part 70. These include (a) an exemption from the requirements of 10 CFR 70.24 for two criticality monitors around the fuel storage area, (b) an exemption from the requirements of Paragraph III.D.2(b)(ii) of Appendix J of 10 CFR 50, the testing of containment air locks at times when containment integrity is not required, and



(c) a schedular exemption from 10 CFR 50.34(b)(2)(i) as it pertains to GDC 2, 61, and 62 of Appendix A to 10 CFR 50 for the spent fuel pool racks for the time period before the racks contain irradiated fuel. The special circumstances regarding exemptions b and c are identified in Sections 6.2.6 and 9.1.2 of SSER 5, respectively.

An exemption was previously granted pursuant to 10 CFR 70.24. The exemption was granted with NRC materials license No. SNM-1967, issued August 21, 1986, and relieved GPC from the requirement of having a criticality alarm system. GPC is hereby exempted from the criticality alarm system provision of 10 CFR 70.24 so far as this section applies to the storage of fuel assemblies held under this license

*and Southern Nuclear are*  
These exemptions are authorized by law, will not present an undue risk to the public health and safety, and are consistent with the common defense and security. The exemptions in items b and c above are granted pursuant to 10 CFR 50.12. With these exemptions, the facility will operate, to the extent authorized herein, in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission.

- Southern Nuclear*  
E. ~~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: "Alvin W. Vogtle Nuclear Plant Physical Security Plan," with revisions submitted through January 6, 1988; "Alvin W. Vogtle Nuclear Plant Guard Training and Qualification Plan," with revisions submitted through June 2, 1986; and "Alvin W. Vogtle Nuclear Plant Safeguards Contingency Plan," with revisions submitted through January 6, 1988. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.

- F. GPC shall comply with the antitrust conditions delineated in Appendix C to this license.

- Southern Nuclear*  
G. ~~GPC~~ shall implement and maintain in effect all provisions of the approved fire protection program as described in the Final Safety Analysis Report for the facility, and submittals dated July 2, August 4 and 13, October 10 and 24, November 5, and December 19, 1986, and January 2, 1987, as approved in the SER (NUREG-1137) through Supplement 5 subject to the following provision:

*Southern Nuclear*  
~~GPC~~ may make changes to the approved fire protection program without prior approval of the Commission, only if those changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.

H. Reporting to the Commission

*Southern Nuclear*

Except as otherwise provided in the Technical Specifications or Environmental Protection Plan, ~~SPC~~ shall report any violations of the requirements contained in Section 2.C. of this license in the following manner: initial notification shall be made within twenty-four (24) hours to the NRC Operations Center via the Emergency Notification System with written follow-up within 30 days in accordance with the procedures described in 10 CFR 30.73(b), (c), and (e).

- I. The <sup>Owners</sup> licensees shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.
- J. This license is effective as of the date of issuance and shall expire at midnight on January 16, 2027.

FOR THE NUCLEAR REGULATORY COMMISSION



Harold R. Denton, Director  
Office of Nuclear Reactor Regulation

Enclosures:

1. Attachment 1 - TDI Requirements
2. Appendix A - Technical Specifications
3. Appendix B - Environmental Protection Plan
4. Appendix C - Antitrust Conditions

Date of Issuance: March 16, 1987

March 16, 1987

ATTACHMENT 1 TO LICENSE NPF-61

TDI DIESEL ENGINE REQUIREMENTS

1. Changes to the maintenance and surveillance programs for the TDI diesel engines, as identified in Section 9.5.4.1 of Supplement 4 to the Vogtle Electric Generating Plant Safety Evaluation Report, shall be subject to the provisions of 10 CFR 50.59.

The frequency of the major engine overhauls referred to in the license conditions below shall be consistent with Section IV.1, "Overhaul Frequency" in Revision 2 of Appendix II of the Design Review/Quality Revalidation report which was transmitted by letter dated May 1, 1986, from J. George, Owners Group, to H. Denton, NRC.

2. Connecting rod assemblies shall be subjected to the following inspections at each major engine overhaul:
  - a. The surfaces of the rack teeth shall be inspected for signs of fretting. If fretting has occurred, it shall be subject to an engineering evaluation for appropriate corrective action.
  - b. All connecting-rod bolts shall be lubricated in accordance with the engine manufacturer's instructions and torqued to the specifications of the manufacturer. The lengths of the two pairs of bolts above the crankpin shall be measured ultrasonically pre- and post-tensioning.
  - c. The lengths of the two pairs of bolts above the crankpin shall be measured ultrasonically prior to detensioning and disassembly of the bolts. If bolt tension is less than 93% of the value at installation, the cause shall be determined, appropriate corrective action shall be taken, and the interval between checks of bolt tension shall be re-evaluated.
  - d. All connecting-rod bolts shall be visually inspected for thread damage (e.g. galling), and the two pairs of connecting rod bolts above the crank pin shall be inspected by magnetic particle testing (MT) to verify the continued absence of cracking. All washers used with the bolts shall be examined visually for signs of galling or cracking, and replaced if damaged.
  - e. Visual inspection shall be performed of all external surfaces of the link rod box to verify the absence of any signs of service induced distress.
  - f. All of the bolt holes in the link rod box shall be inspected for thread damage (e.g., galling) or other signs of abnormalities. In addition, the bolt holes subject to the highest stresses (i.e., the pair immediately above the crankpin) shall be examined with an appropriate nondestructive method to verify the continued absence of cracking. Any indications shall be recorded for engineering evaluation and appropriate corrective action.

3. The cylinder blocks shall be subjected to the following inspections at the interval specified in the inspections:

- a. Cylinder blocks shall be inspected for "ligament" cracks, "stud-to-stud" cracks and "stud-to-end" cracks as defined in a report\* by Failure Analysis Associates, Inc. (FaAA) entitled, "Design Review of TDI R-4 and RV-4 Series Emergency Diesel Generator Cylinder Blocks" (FaAA report no. FaAA-84-9-11.1), dated December 1984. (Note that the FaAA report specifies additional inspections to be performed for blocks with "known" or "assumed" ligament cracks). The inspection intervals (i.e., frequency) shall not exceed the intervals calculated using the cumulative damage index model in the subject FaAA report. In addition, the inspection method shall be consistent with or equivalent to those identified in the subject FaAA report.
- b. In addition to inspections specified in the aforementioned FaAA report, blocks with "known" or "assumed" ligament cracks (as defined in the FaAA report) shall be inspected at each refueling outage to determine whether or not cracks have initiated on the top surface exposed by the removal of two or more cylinder heads. This process shall be repeated over several refueling outages until the entire block top has been inspected. Liquid-penetrant testing or a similarly sensitive nondestructive testing technique shall be used to detect cracking, and eddy current shall be used as appropriate to determine the depth of any cracks discovered.
- c. If inspection reveals cracks in the cylinder blocks between stud holes of adjacent cylinders ("stud-to-stud" cracks) or "stud-to-end" cracks, this condition shall be reported promptly to the NRC staff and the affected engine shall be considered inoperable. The engine shall not be restored to "operable" status until the proposed disposition and/or corrective actions have been approved by the NRC staff.

4. The following air roll test shall be performed as specified below, except when the plant is already in an Action Statement of Technical Specification 3/4.8.1. "Electric Power Systems, A.C. Sources":

The engines shall be rolled over with the airstart system and with the cylinder stopcocks open prior to each planned start, unless that start occurs within 4 hours of a shutdown. The engines shall also be rolled over with the airstart system and with the cylinder stopcocks open after 4 hours, but not more than 8 hours after engine shutdown and then rolled over once again approximately 24 hours after each shutdown. (In the event an engine is removed from service for any reason other than the rolling over procedure prior to expiration of the 8-hour or 24-hour periods noted above, that engine need not be rolled over while it is out of service. ~~The licensee~~ shall air roll the engine over with the stopcocks open at the time it is returned to service). The origin of any water

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\* This report was transmitted to H. Denton, NRC, from C. L. Ray, Jr., TDI Owners Group, by letter dated December 11, 1984.

detected in the cylinder must be determined and any cylinder head which leaks due to a crack shall be replaced. The above air roll test may be discontinued following the first refueling outage subject to the following conditions:

- a. All cylinder heads are Group III heads (i.e., cast after September 1980).
  - b. Quality revalidation inspections, as identified in the Design Review/Quality Revalidation report, have been completed for all cylinder heads.
  - c. Group III heads continue to demonstrate leak-free performance. This should be confirmed with TDI prior to deleting air roll tests.
5. Periodic inspections of the turbochargers shall include the following:
- a. The turbocharger thrust bearings shall be visually inspected for excessive wear after 40 non-primed starts since the previous visual inspection.
  - b. Turbocharger rotor axial clearance shall be measured at each refueling outage to verify compliance with TDI/Elliott specifications. In addition, thrust bearing measurements shall be compared with measurements taken previously to determine a need for further inspection or corrective action.
  - c. Spectrographic engine oil and ferrographic engine oil (wear) analysis shall be performed quarterly to provide early evidence of bearing degradation. Particular attention shall be paid to copper level and particulate size which could signify thrust bearing degradation.





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

SOUTHERN NUCLEAR OPERATING COMPANY

GEORGIA POWER COMPANY

OGLETHORPE POWER CORPORATION

MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA

CITY OF DALTON, GEORGIA

DOCKET NO. 50-425

VOGTLE ELECTRIC GENERATING PLANT, UNIT 2

FACILITY OPERATING LICENSE

License No. NPF-B1

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
  - A. The application for license filed by the Georgia Power Company (GPC)\* acting for itself, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia, ~~(the licensees)~~ *(the Owners)* complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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 Vogtle Electric Generating Plant, Unit 2 (the facility) has been substantially completed in conformity with Construction Perm.t No. CPFR-109 and the application, as amended, the provisions of the Act and the regulations of the Commission;
  - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission (except as exempted from compliance in Section 2.D. below);
  - 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 Commission's regulations set forth in 10 CFR Chapter I (except as exempted from compliance in Section 2.D. below);
  - E. ~~Georgia Power Company~~ *Southern Nuclear Operating Company\** *(herein called Southern Nuclear)* is technically qualified to engage in the activities authorized by this license in accordance with the Commission's regulations set forth in 10 CFR Chapter I; *and, together, Southern Nuclear and the Owners are financially qualified*

\* ~~Georgia Power Company~~ is authorized to act as agent for the Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia, and has exclusive responsibility and control over the physical construction, operation, and maintenance of the facility.

\* *Southern Nuclear succeeds Georgia Power Company as the operator of Vogtle Electric Generating 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.*

Owners

- F. The licensees have 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 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 and other costs and considering available alternatives, the issuance of this Facility Operating License No. NPF-81, subject to the conditions for protection of the environment set forth in the Environmental Protection Plan attached as Appendix B, is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied;
- 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.

2. Based on the foregoing findings and the Partial Initial Decision and the Concluding Partial Initial Decision issued by the Atomic Safety and Licensing Board on August 27 and December 23, 1986, respectively, regarding this facility and satisfaction of conditions therein imposed, and pursuant to approval by the Nuclear Regulatory Commission at a meeting held on March 30, 1989, Facility Operating License No. NPF-79, issued on February 9, 1989 is superseded by Facility Operating License No. NPF-81, hereby issued to the Georgia Power Company, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia to read as follows:

A. This license applies to the Vogtle Electric Generating Plant, Unit 2, a pressurized water reactor and associated equipment (the facility) owned by GPC, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia. The facility is located on the ~~licensee's site~~ in Burke County, Georgia, on the west bank of the Savannah River approximately 25 miles south of Augusta, Georgia, and is described in ~~Georgia Power Company's~~ the Final Safety Analysis Report, as supplemented and amended, and in ~~its~~ the Environmental Report, as supplemented and amended;

B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:

- (1) ~~the~~ *Southern Nuclear* ~~to~~ *maintain,* pursuant to Section 103 of the Act and 10 CFR Part 50, to possess, use, and operate the facility at the designated location in Burke County, Georgia, in accordance with the procedures and limitations set forth in this license;
- (2) *manage,* ~~Oglethorpe Power Corporation,~~ *Georgia Power Company,* Municipal Electric Authority of Georgia, and City of Dalton, Georgia, pursuant to the Act and

*, and operated by Southern Nuclear*

but not operate

10 CFR Part 50, to possess the facility at the designated location in Burke County, Georgia, in accordance with the procedures and limitations set forth in this license;

- (3) ~~GAE~~ *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) ~~GAE~~ *Southern Nuclear*, pursuant to the Act and 10 CFR Parts 30, 40, and 70 to receive, possess, and use at any time any byproduct, source and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;

- (5) ~~GAE~~ *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;

- (6) ~~GAE~~ *Southern Nuclear*, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of Vogtle Electric Generating Plant, Units 1 and 2.

C. This license shall be deemed to contain and is subject to the conditions specified in the Commission's regulations set forth in 10 CFR Chapter I 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 conditions specified or incorporated below.

(1) Maximum Power Level

*Southern Nuclear*  
~~GAE~~ is authorized to operate the facility at reactor core power levels not in excess of 3411 megawatts thermal (100 percent power) in accordance with the conditions specified herein.

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. ~~2~~ <sup>3</sup>, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into this license.

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~~GAE~~ shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

- D. The facility requires exemptions from certain requirements of 10 CFR Part 50 and 10 CFR Part 70. These include (a) an exemption from the requirements of 10 CFR 70.24 for two criticality monitors around the fuel storage area, (b) an exemption from the requirements of Paragraph III.D.2(b)(11) of Appendix J of 10 CFR Part 50, the testing of containment air locks at times when containment integrity is not required, and (c) an exemption from the schedule requirements of 10 CFR 50.33(k)(1) related to availability of funds for decommissioning the facility. The special circumstances regarding exemptions b and c are identified in Sections 6.2.6 and 22.5 of SSER 8, respectively.

An exemption was previously granted pursuant to 10 CFR 70.24. The exemption was granted with NRC materials license No. SNM-1981, issued July 13, 1988, and relieved GPC from the requirement of having a criticality alarm system. GPC is hereby exempted from the criticality alarm system provision of 10 CFR 70.24 so far as this section applies to the storage of fuel assemblies held under this license.

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These exemptions are authorized by law, will not present an undue risk to the public health and safety, and are consistent with the common defense and security. The exemptions in items b and c above are granted pursuant to 10 CFR 50.12. With these exemptions, the facility will operate, to the extent authorized herein, in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission.

*Southern Nuclear*

- E. GPC 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: "Alvin W. Vogtle Nuclear Plant (Physical Security Plan," with revisions submitted through July 11, 1988; "Alvin W. Vogtle Nuclear Plant Guard Training and Qualification Plan," with revisions submitted through January 15, 1988; and "Alvin W. Vogtle Nuclear Plant Safeguards Contingency Plan," with revisions submitted through January 6, 1988. Changes made in accordance with 10 CFR 73.55 shall be implemented in accordance with the schedule set forth therein.

- F. GPC shall comply with the antitrust conditions delineated in Appendix C, to this license.

*Southern Nuclear*

- G. GPC shall implement and maintain in effect all provisions of the approved fire protection program as described in the Final Safety Analysis Report for the facility, as approved in the SER (NUREG-1137) through Supplement 9 subject to the following provision:

*Southern Nuclear*

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~~OPC~~ may make changes to the approved fire protection program without prior approval of the Commission, only if those changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.

H. Reporting to the Commission

*Southern Nuclear*

Except as otherwise provided in the Technical Specifications or Environmental Protection Plan, ~~OPC~~ shall report any violations of the requirements contained in Section 2.C. of this license in the following manner: initial notification shall be made within twenty-four (24) hours to the NRC Operations Center via the Emergency Notification System with written follow-up within 30 days in accordance with the procedures described in 10 CFR 50.73(b), (c), and (e).

*Owners*

1. The ~~licensees~~ shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.
- J. This license is effective as of the date of issuance and shall expire at midnight on February 9, 2029.

FOR THE NUCLEAR REGULATORY COMMISSION

*Thomas E. Murley*  
Thomas E. Murley, Director  
Office of Nuclear Reactor Regulation

Enclosures:

1. Appendix A - Technical Specifications
2. Appendix B - Environmental Protection Plan
3. Appendix C - Antitrust Conditions

Date of Issuance: March 31, 1989