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Mr. C. K. McCoy
Vice President - Nuclear
Vogtle Project
Georgia Power Company
P. O. Box 1295
Birmingham, AL 35201

SUBJECT: ISSUANCE OF AMENDMENTS - VOGTLE ELECTRIC GENERATING PLANT,
UNITS 1 AND 2 (TAC NOS. M88745 AND M88746)

Dear Mr. McCoy:

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 83 to Facility Operating License NPF-68 and Amendment No. 61 to Facility Operating License NPF-81 for the Vogtle Nuclear Generating Plant (VEGP), Units 1 and 2. The amendments consist of changes to the Technical Specifications (TS) in response to your application dated February 3, 1994.

The amendments relocate the requirements of Technical Specification 3/4.7.10, Area Temperature Monitoring, to section 16.3 of the VEGP Final Safety Analysis Report (FSAR). With this relocation to the FSAR, Georgia Power Company plans to clarify the basis for areas to be monitored and modify these surveillance requirements. This change is in accordance with NUREG-1431, "Standard Technical Specifications, Westinghouse Plants."

A copy of the related Safety Evaluation is also enclosed. A Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,
Original signed by:
Louis L. Wheeler, Senior Project Manager
Project Directorate II-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

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PDR ADOCK 05000424
P PDR

Docket Nos. 50-424 and 50-425

Enclosures:

- 1. Amendment No. 83 to NPF-68
 - 2. Amendment No. 61 to NPF-81
 - 3. Safety Evaluation
- cc w/encl: See next page

DOCUMENT NAME: G:\VOGTLE\VOG88745.AMD

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Date of initial notice in FEDERAL REGISTER: September 2, 1994 (59 FR 45735)

The Commission's related evaluation of the amendments is contained in a Safety Evaluation dated January 23, 1995.

No significant hazards consideration comments received: No

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

January 23, 1995

Mr. C. K. McCoy
Vice President - Nuclear
Vogtle Project
Georgia Power Company
P. O. Box 1295
Birmingham, AL 35201

SUBJECT: ISSUANCE OF AMENDMENTS - VOGTLE ELECTRIC GENERATING PLANT,
UNITS 1 AND 2 (TAC NOS. M88745 AND M88746)

Dear Mr. McCoy:

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A copy of the related Safety Evaluation is also enclosed. A Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

A handwritten signature in cursive script, appearing to read "Louis L. Wheeler".

Louis L. Wheeler, Senior Project Manager
Project Directorate II-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-424 and 50-425

Enclosures:

1. Amendment No. 83 to NPF-68
2. Amendment No. 61 to NPF-81
3. Safety Evaluation

cc w/encl: See next page

Mr. C. K. McCoy
Georgia Power Company

Vogtle Electric Generating Plant

cc:

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

GEORGIA POWER COMPANY
OGLETHORPE POWER CORPORATION
MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA
CITY OF DALTON, GEORGIA
VOGTLE ELECTRIC GENERATING PLANT, UNIT 1
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 83
License No. NPF-68

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment to the Vogtle Electric Generating Plant, Unit 1 (the facility) Facility Operating License No. NPF-68 filed by the Georgia Power Company, acting for itself, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia (the licensees), dated February 3, 1994, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations as set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, the license is hereby amended by page changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-68 is hereby amended to read as follows:

Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 83 , and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into this license. GPC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Herbert N. Berkow, Director
Project Directorate II-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Technical Specification
Changes

Date of Issuance: January 23, 1995



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

GEORGIA POWER COMPANY

OGLETHORPE POWER CORPORATION

MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA

CITY OF DALTON, GEORGIA

VOGTLE ELECTRIC GENERATING PLANT, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 61
License No. NPF-81

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment to the Vogtle Electric Generating Plant, Unit 2 (the facility) Facility Operating License No. NPF-81 filed by the Georgia Power Company, acting for itself, Oglethorpe Power Corporation, Municipal Electric Authority of Georgia, and City of Dalton, Georgia (the licensees), dated February 3, 1994, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations as set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, the license is hereby amended by page changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-81 is hereby amended to read as follows:

Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 61, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into this license. GPC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Herbert N. Berkow, Director
Project Directorate II-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Technical Specification
Changes

Date of Issuance: January 23, 1995

ATTACHMENT TO LICENSE AMENDMENT NO. 83

FACILITY OPERATING LICENSE NO. NPF-68

DOCKET NO. 50-424

AND

TO LICENSE AMENDMENT NO. 61

FACILITY OPERATING LICENSE NO. NPF-81

DOCKET NO. 50-425

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the areas of change.

Remove Pages

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X
3/4 7-27
3/4 7-28
B 3/4 7-6

Insert Pages

IX*
X
3/4 7-27
3/4 7-28
B 3/4 7-6

* Overleaf page containing no change

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PLANT SYSTEMS

3/4.7.10 AREA TEMPERATURE MONITORING

SPECIFICATION 3/4.7.10 DELETED

TABLE 3.7-3

TABLE 3.7-3 DELETED

BASES

SNUBBERS (Continued)

The service life of a snubber is established via manufacturer input and information through consideration of the snubber service conditions and associated installation and maintenance records (newly installed snubbers, seal replaced, spring replaced, in high radiation area, in high temperature area, etc.). The requirement to monitor the snubber service life is included to ensure that the snubbers periodically undergo a performance evaluation in view of their age and operating conditions. These records will provide statistical bases for future consideration of snubber service life.

3/4.7.9 SEALED SOURCE CONTAMINATION

The limitations on removable contamination for sources requiring leak testing, including alpha emitters, is based on 10 CFR 70.39(a)(3) limits for plutonium. This limitation will ensure that leakage from Byproduct, Source, and Special Nuclear Material sources will not exceed allowable intake values.

Sealed sources are classified into three groups according to their use, with Surveillance Requirements commensurate with the probability of damage to a source in that group. Those sources which are frequently handled are required to be tested more often than those which are not. Sealed sources which are continuously enclosed within a shielded mechanism (i.e., sealed sources within radiation monitoring or boron measuring devices) are considered to be stored and need not be tested unless they are removed from the shielded mechanism.

3/4.7.10 AREA TEMPERATURE MONITORING

(DELETED)

3/4.7.11 ENGINEERED SAFETY FEATURES (ESF) ROOM COOLER AND SAFETY-RELATED CHILLER SYSTEM

The operation of the ESF Room Cooler and Safety-Related Chiller System ensures that the ambient air temperature does not exceed the allowable temperature for continuous duty rating for the equipment cooled by the system.

3/4.7.12 REACTOR COOLANT PUMP THERMAL BARRIER COOLING WATER ISOLATION

This isolation function is designed to prevent a spill of the reactor coolant from a postulated breached thermal barrier should a break occur in the nonsafety-related ACCW piping downstream of the isolation valve.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 83 TO FACILITY OPERATING LICENSE NPF-68
AND AMENDMENT NO. 61 TO FACILITY OPERATING LICENSE NPF-81
GEORGIA POWER COMPANY, ET AL.
VOGTLE ELECTRIC GENERATING PLANT, UNITS 1 AND 2
DOCKET NOS. 50-424 AND 50-425

1.0 INTRODUCTION

Section 50.36 of Title 10 of the Code of Regulations (10 CFR) established the regulatory requirements related to the content of Technical Specifications (TS). The rule requires that TS include items in five specific categories, including safety limits, limiting conditions for operation, and surveillance requirements; however, the rule does not specify the details of the requirements to be included in the TS for individual plants. The NRC has developed criteria, as described in the Commission's "Final Policy Statement on Technical Specifications Improvements for Nuclear Power Reactors," (58 FR 39132) to determine which of the design conditions and associated surveillances need to be located in the TS because the requirement is "necessary to obviate the possibility of an abnormal situation or event giving rise to an immediate threat to the public health and safety." Briefly, those criteria are: (1) detection of abnormal degradation of the reactor coolant pressure boundary, (2) boundary conditions for design basis accidents and transients, (3) primary success paths to prevent or mitigate design basis accidents or transients which assume the failure of or present a challenge to a fission product barrier, and (4) functions determined to be important based on operating experience or risk assessment. The Final Policy Statement acknowledged that its implementation may result in the relocation of existing TS requirements to licensee-controlled documents and programs. The Policy Statement requirements for relocation of a TS requirement include a clear statement of the basis for the relocation, a safety evaluation, and a statement that the changes have been reviewed by a multidisciplinary group of responsible, technical supervisory personnel, including onsite operations personnel.

Georgia Power Company (GPC, the licensee), by letter dated February 3, 1994, proposed license amendments to make a change to the TS for Vogtle Electric Generating Plant (Vogtle), Units 1 and 2. In accordance with the Final Policy Statement, the licensee provided a basis for relocating the area temperature monitoring requirements found in the TS to Chapter 16 of the FSAR. This basis included an evaluation to show that the existing TS requirements for

monitoring the temperatures of certain areas do not meet any of the four criteria of the Final Policy Statement used to determine which design and operational features belong in the TS in accordance with 10 CFR 50.36.

2.0 EVALUATION

The purpose of the area temperature monitoring program described in the TS is to assure that safety-related equipment necessary for safe shutdown, and not serviced by engineered safety feature (ESF) heating, ventilation, and air conditioning (HVAC) systems, will not be subjected to temperatures in excess of its environmental qualification and will therefore remain operable in order to perform its intended safety function. However, area temperatures give no direct indication of a specific equipment's operability status, nor are they used to detect or indicate in the control room a significant abnormal degradation of the reactor coolant pressure boundary.

The area temperature monitoring activities which are the subject of the proposed licensing action do not satisfy any of the four criteria identified in the Final Policy Statement which would require them to be included in the plant TS. Furthermore, the licensee's submittal satisfies the requirements of the Final Policy Statement for relocation of area temperature monitoring requirements to other licensee-controlled documents which, in the case of Vogtle, is the FSAR.

The licensee's proposed changes in room selection criteria eliminates rooms that are classified as a mild environment. The qualified life of safety-related equipment in a mild environment is no longer based on environmental qualification, but is based on a combination of design life, trending, and periodic maintenance and surveillance as discussed in FSAR section 3.11.B. Therefore, the monitoring of mild rooms is not required to verify that the normal design temperature is being maintained. However, the existing TS not only require monitoring of the normal room temperature, but also require actions to evaluate equipment operability if an abnormal condition temperature limit is exceeded. This latter requirement will be retained within the TS.

The relocation of Vogtle's area temperature monitoring requirements into the FSAR will continue to assure that the monitoring of area temperatures will be controlled. Any future changes to the program will be made under the provisions of 10 CFR 50.59, which will assure that any change which involves an unreviewed safety question will be submitted for prior approval by the staff in a license amendment application.

In accordance with the current TS, GPC has monitored the temperatures in the specified rooms at least twice per day, and as a result, a considerable amount of information has been gained concerning the temperatures in these rooms. Based on the information gained from this monitoring, GPC has concluded that, with the exception of the main steam isolation valve (MSIV) area, the normal

ventilation systems provide adequate cooling capability to maintain room temperatures below the values that are assumed for normal operation and used for determining environmental qualification parameters. The MSIV area has exceeded its reportability limits on several occasions and has since been provided with a new ventilation system and temperature monitoring instrumentation.

Excessive area temperatures will continue to be evaluated for their significance with regard to equipment operability, in accordance with the requirements which are to be retained in the TS. However, the requirement for specific reporting based on excessive temperature will be eliminated in favor of the current TS reporting requirements associated with operability determinations. TS reporting requirements associated with operability determinations are not affected by this licensing action. Also, when the normal ventilation system for one of the specified rooms is not functioning, temperature monitoring activities will resume at the previously specified rate of once every 12 hours. The proposed change to monitor these rooms when only the normal ventilation system is out of service will provide a level of assurance that is similar to that provided by the current TS. GPC has therefore concluded that continued monitoring is not warranted as long as the normal ventilation systems are functioning. The staff agrees with that conclusion.

The Vogtle Plant Review Board (PRB) is a multidisciplinary group of responsible technical supervisory personnel and includes onsite operations personnel. The licensee's submittal was reviewed and approved by the PRB prior to its being forwarded to the NRC. The PRB action satisfies the Final Policy Statement requirement for such a review.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Georgia State official was notified of the proposed issuance of the amendments. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

The amendments change requirements with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and change surveillance requirements. The NRC staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration, and there has been no public comment on such finding (59 FR 45735 dated September 2, 1994). Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

5.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributors: L. Wheeler
A. Dummer

Date: January 23, 1995