



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

DEC 24 1985

Docket No. 50-416

Mr. J. B. Richard  
Senior Vice President, Nuclear  
Mississippi Power & Light Company  
P.O. Box 23054  
Jackson, Mississippi 39205

Dear Mr. Richard:

SUBJECT: ISSUANCE OF AMENDMENT NO. 8 TO FACILITY OPERATING LICENSE  
NPF-29 GRAND GULF NUCLEAR STATION, UNIT NO. 1

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 8 to Facility Operating License NPF-29 for the Grand Gulf Nuclear Station, Unit No. 1, located in Claiborne County, Mississippi. This amendment is in response to your letters dated August 30 and September 25, 1985.

The amendment modifies the Technical Specifications to permit an exception to examination prerequisites for two candidates for senior reactor operator licenses. The amendment is effective as of its date of issuance.

A copy of the related safety evaluation supporting Amendment No. 8 to Facility Operating License NPF-29 is enclosed.

Notice of issuance will be included in the Commission's next bi-weekly Federal Register notice.

Sincerely,

A handwritten signature in cursive script that reads "Walter R. Butler".

Walter R. Butler, Director  
BWR Project Directorate No. 4  
Division of BWR Licensing

Enclosures:

1. Amendment No. 8
2. Safety Evaluation

cc w/enclosures:  
See next page

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PDR ADOCK 05000416  
P PDR

Mr. Jackson B. Richard  
Mississippi Power & Light Company

Grand Gulf Nuclear Station

cc:

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Senior Resident Inspector  
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State Health Officer  
State Board of Health  
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Regional Administrator, Region II  
U.S. Nuclear Regulatory Commission,  
101 Marietta Street, N.W., Suite 2900  
Atlanta, Georgia 30323

President  
Claiborne County Board of Supervisors  
Port Gibson, Mississippi 39150

Mr. J. E. Cross, General Manager  
Grand Gulf Nuclear Station  
Mississippi Power & Light Company  
P.O. Box 756  
Port Gibson, Mississippi 39150

Amendment No. 8 to Facility Operating License No. NPF-29-Grand Gulf, Unit 1

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

MISSISSIPPI POWER & LIGHT COMPANY

MIDDLE SOUTH ENERGY, INC.

SOUTH MISSISSIPPI ELECTRIC POWER ASSOCIATION

DOCKET NO. 50-416

GRAND GULF NUCLEAR STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 8  
License No. NPF-29

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the Grand Gulf Nuclear Station, Unit 1 (the facility) Facility Operating License No. NPF-29 filed by the Mississippi Power & Light Company acting for itself, Middle South Energy, Inc., and South Mississippi Electric Power Association (the licensees), dated August 30, 1985, and supplemented September 25, 1985, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations as set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the 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 license amendment will not be inimical to the common defense and security or to the health and safety of the public;
  - E. The issuance of this license 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-29 is hereby amended to read as follows:

(2) Technical Specifications

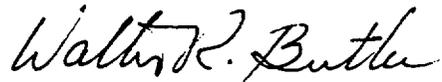
The Technical Specifications contained in Appendix A, as revised through

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P PDR

Amendment No. 8 and the Environmental Protection Plan contained in Appendix B are hereby incorporated into this license. Mississippi Power & Light Company 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.

FOR THE NUCLEAR REGULATORY COMMISSION



Walter R. Butler, Director  
BWR Project Directorate No. 4  
Division of BWR Licensing

Enclosure:  
Technical Specifications Changes

Date of Issuance: DEC 24 1985

ATTACHMENT TO LICENSE AMENDMENT NO. 8

FACILITY OPERATING LICENSE NO. NPF-29

DOCKET NO. 50-416

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the areas of change. The corresponding overleaf page is also provided to maintain document completeness.

Amended  
Page

6-6

Overleaf  
Page

6-5

## ADMINISTRATIVE CONTROLS

### INDEPENDENT SAFETY ENGINEERING GROUP (ISEG) (Continued)

#### RESPONSIBILITIES

6.2.3.3 The ISEG shall be responsible for maintaining surveillance of unit activities to provide independent verification\* that these activities are performed correctly and that human errors are reduced as much as practical.

#### AUTHORITY

6.2.3.4 The ISEG shall make detailed recommendations for revised procedures, equipment modifications, maintenance activities, operations activities or other means of improving unit safety to the Senior Vice President, Nuclear.

#### 6.2.4 SHIFT TECHNICAL ADVISOR

6.2.4.1 The Shift Technical Advisor shall provide technical support to the Shift Superintendent in the areas of thermal hydraulics, reactor engineering and plant analysis with regard to safe operation of the unit.

#### 6.3 UNIT STAFF QUALIFICATIONS

6.3.1 Each member of the unit staff shall meet or exceed the minimum qualifications of ANSI N18.1-1971 for comparable positions and the supplemental requirements specified in Section A and C of Enclosure 1 of the March 28, 1980 NRC letter# to all licensees, except for the Chemistry/Radiation Control Superintendent who shall meet or exceed the qualifications of Regulatory Guide 1.8, September 1975; the Shift Technical Advisor who shall meet or exceed the qualifications referred to in Section 2.2.1.b of Enclosure I of the October 30, 1979 NRC letter to all operating nuclear power plants; and those members of the Independent Safety Engineering Group used for meeting the minimum complement specified in Section 6.2.3.2, each of whom shall have a Bachelor of Science degree or be registered as a Professional Engineer and shall have at least two years experience in their field, at least one year of which experience shall be in the nuclear field.

#### 6.4 TRAINING

6.4.1 A retraining and replacement training program for the unit staff shall be maintained under the direction of the Training Superintendent, shall meet or exceed the requirements and recommendations of Section 5.5 of ANSI N18.1-1971 and Appendix "A" of 10 CFR Part 55 and the supplemental requirements specified in Sections A and C of Enclosure 1 of the March 28, 1980 NRC letter# to all licensees, and shall include familiarization with relevant industry operational experience.

#### 6.5 REVIEW AND AUDIT

##### 6.5.1 PLANT SAFETY REVIEW COMMITTEE (PSRC)

#### FUNCTION

6.5.1.1 The PSRC shall function to advise the GGNS General Manager on all matters related to nuclear safety.

\* Not responsible for sign-off function.

# Except that the experience and other training information provided in the licensee's letter to the NRC dated July 29, 1985 are acceptable for the individuals listed in that letter.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 8 TO FACILITY OPERATING LICENSE NPF-29

GRAND GULF NUCLEAR STATION, UNIT 1

MISSISSIPPI POWER & LIGHT COMPANY

MIDDLE SOUTH ENERGY, INC.

SOUTH MISSISSIPPI ELECTRIC POWER ASSOCIATION

INTRODUCTION

By letters dated August 30 and September 25, 1985, Mississippi Power & Light Company (the licensee) proposed to change the facility Technical Specifications to permit an exception to examination prerequisites for two candidates for senior reactor operator (SRO) licenses. These prerequisites are contained in a March 28, 1980 staff letter which is referenced in Technical Specifications Section 6.3 "Unit Staff Qualifications" and Section 6.4 "Training." By letter dated July 29, 1985, the licensee has identified the two SRO candidates and described the experience and training which licensee believes qualifies them for a waiver of the experience requirement in the examination prerequisites.

EVALUATION

The NRC staff has reviewed the licensee's submittals dated July 29, August 30 and September 25, 1985. The Technical Specifications Section 6.3 "Unit Staff Qualifications" and Section 6.4 "Training" require, among other things, that the licensee's unit operating staff meet or exceed the requirements specified in Sections A and C of Enclosure 1 to the NRC letter dated March 28, 1980. Section A of this letter states in part that an applicant for senior reactor operator (SRO) license should have 4 years of responsible power plant experience and that this experience should be obtained as a control room operator in either fossil or nuclear power plants or as a power plant staff engineer. A maximum of two years of this experience may be fulfilled by academic or related technical training. This experience requirement is one of the guidelines established by the staff to implement a requirement in 10 CFR Part 55 of the Commission's rules that an applicant for an operator license provide evidence to the NRC that he or she has learned to operate the controls of the facility in a safe and competent manner. In general, the NRC requires that evidence of a combination of experience and training be provided in order to be deemed eligible to sit for an NRC examination. Although standard guidelines have been established in the NRC staff's March 28, 1980, letter, waivers may be granted on a case-by-case basis if the NRC staff determines that an equivalency to the standard guidelines exists. This determination is based upon an evaluation of the applicant's academic training, technical training relevant to reactor operation and work experience relevant to reactor operation as well as control room operator experience. Whether or not a waiver of part of the eligibility requirements is granted, all applicants for SRO licenses must pass an NRC administered SRO examination. Passing this examination provides the staff with reasonable assurance that a candidate has sufficient knowledge to operate a nuclear reactor in a safe and competent manner.

The NRC staff has reviewed the training and experience of the two SRO candidates described in the licensee's July 29, 1985, letter. One of the candidates lacks about 0.4 year and the other lacks about 0.8 year of meeting the 4 years of responsible power plant experience as prescribed in the staff's March 28, 1980, letter as a prerequisite for SRO candidates. However, other work related experience and training more than offsets these lesser amounts of prescribed experience. Each candidate has about 2 years experience as a non-licensed operator at Grand Gulf Unit 1 and each has received SRO training by serving as a reactor operator or extra person on shift for 32 weeks. In addition, each candidate has been trained on the site specific simulator. The staff finds that each of the two candidates has a combination of training and experience which is equivalent to that recommended in the standard guidelines of staff's March 28, 1980, letter.

The staff concludes that the guideline recommending 4 years of responsible power plant experience can be waived for the two SRO candidates identified in the licensee's July 29, 1985, letter. The staff further concludes that the qualifications of these two candidates, as excepted from the staff guidelines, meets the experience requirement of 10 CFR 55.10(a)(6). Therefore, the exception to Technical Specifications 6.3 and 6.4 is acceptable.

#### ENVIRONMENTAL CONSIDERATION

The amendment involves changes in administrative procedures or requirements in the license. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

#### CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (50 FR 41249) on October 9, 1985, and consulted with the state of Mississippi. No public comments were received, and the state of Mississippi did not have any comments.

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

Principal Contributors: B. Boger, Operator Licensing Branch, DHFS  
L. L. Kintner, Project Directorate No. 4, BWRL

Dated: DEC 24 1985

Docket No. 50-416

DEC 24 1985

Mr. J. B. Richard  
Senior Vice President, Nuclear  
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Dear Mr. Richard:

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Sincerely,

Original signed by:

Walter R. Butler, Director  
BWR Project Directorate No. 4  
Division of BWR Licensing

Enclosures:

1. Amendment No. 8
2. Safety Evaluation

cc w/enclosures:  
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WButler  
12/24/85

Amendment No. 8 and the Environmental Protection Plan contained in Appendix B are hereby incorporated into this license. Mississippi Power & Light Company 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.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by:

Walter R. Butler, Director  
BWR Project Directorate No. 4  
Division of BWR Licensing

Enclosure:  
Technical Specifications Changes

Date of Issuance: DEC 24 1985

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