

September 23, 1988

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Docket No.: 50-416

Mr. Oliver D. Kingsley, Jr.  
Vice President, Nuclear Operations  
System Energy Resources, Inc.  
Post Office Box 23054  
Jackson, Mississippi 39205

Dear Mr. Kingsley:

SUBJECT: ISSUANCE OF AMENDMENT NO. 48 TO FACILITY OPERATING LICENSE  
NO. NPF-29 - GRAND GULF NUCLEAR STATION, UNIT 1, REGARDING  
CONTROL BUILDING LOCKER ROOM (TAC NO. 68729)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 48 to Facility Operating License No. NPF-29 for the Grand Gulf Nuclear Station, Unit 1. This amendment consists of changes to the Technical Specifications (TS) in response to your application dated July 12, 1988.

The amendment deletes Room OC506 from Table 3.3.7.9.1 as a result of a design change to enlarge the control building locker room.

A copy of the Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's bi-weekly Federal Register notice.

Sincerely,

151

Lester L. Kintner, Senior Project Manager  
Project Directorate II-1  
Division of Reactor Projects I/II

Enclosures:

1. Amendment No. 48 to NPF-29
2. Safety Evaluation

cc w/enclosures:  
See next page

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OFC	: LA: PD21: DRPR: PM: PD21: DRPR: D: PD21: DRPR :	:	:	:	:
NAME	: RA: Anderson: : LKintner for EAdensam :	:	:	:	:
DATE	: 9/19/88 : 9/14/88 : 9/19/88 :	:	:	:	:

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4, 8/11.

Mr. Oliver D. Kingsley, Jr.  
System Energy Resources, Inc.

Grand Gulf Nuclear Station (GGNS)

cc:

Mr. Ted H. Cloninger  
Vice President, Nuclear Engineering  
and Support  
System Energy Resources, Inc.  
Post Office Box 23054  
Jackson, Mississippi 39205

Mr. C. R. Hutchinson  
GGNS General Manager  
System Energy Resources, Inc.  
Post Office Box 756  
Port Gibson, Mississippi 39150

Robert B. McGehee, Esquire  
Wise, Carter, Child, Steen and Caraway  
P.O. Box 651  
Jackson, Mississippi 39205

The Honorable William J. Guste, Jr.  
Attorney General  
Department of Justice  
State of Louisiana  
Baton Rouge, Louisiana 70804

Nicholas S. Reynolds, Esquire  
Bishop, Liberman, Cook, Purcell  
and Reynolds  
1400 L Street, N.W.  
Washington, D. C. 20005-3502

Office of the Governor  
State of Mississippi  
Jackson, Mississippi 39201

Mr. Ralph T. Lally  
Manager of Quality Assurance  
Middle South Utilities System  
Services, Inc.  
639 Loyola Avenue, 3rd Floor  
New Orleans, Louisiana 70113

Attorney General  
Gartin Building  
Jackson, Mississippi 39205

Mr. John G. Cesare  
Director, Nuclear Licensing  
System Energy Resources, Inc.  
P.O. Box 23054  
Jackson, Mississippi 39205

Mr. Jack McMillan, Director  
Division of Solid Waste Management  
Mississippi Department of Natural  
Resources  
Post Office Box 10385  
Jackson, Mississippi 39209

Mr. C. B. Hogg, Project Manager  
Bechtel Power Corporation  
P. O. Box 2166  
Houston, Texas 77252-2166

Alton B. Cobb, M.D.  
State Health Officer  
State Board of Health  
P.O. Box 1700  
Jackson, Mississippi 39205

Mr. Ross C. Butcher  
Senior Resident Inspector  
U. S. Nuclear Regulatory Commission  
Route 2, Box 399  
Port Gibson, Mississippi 39150

President  
Claiborne County Board of Supervisors  
Port Gibson, Mississippi 39150

Mr. William T. Cottle  
GGNS Site Director  
System Energy Resources, Inc.  
P.O. Box 756  
Port Gibson, Mississippi 39150

Regional Administrator, Region II  
U. S. Nuclear Regulatory Commission  
101 Marietta Street  
Suite 2900  
Atlanta, Georgia 30323

AMENDMENT NO. 48 TO FACILITY OPERATING LICENSE NO. NPF-29 - GRAND GULF

Docket File

NRC PDR

Local PDR

PDII-1 Reading

S. Varga (14E4)

G. Lainas

E. Adensam

P. Anderson

L. Kintner

OGC

D. Hagan (MNBB 3302)

E. Jordan (MNBB 3302)

J. Partlow (9A2)

T. Barnhart (4) (P1-137)

W. Jones (P-130A)

E. Butcher (11F23)

C. McCracken (8H7)

ACRS (10)

GPA/PA

ARM/LFMB

cc: Licensee/Applicant Service List

*DF01*

*DF01  
1/1*



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

MISSISSIPPI POWER & LIGHT COMPANY

SYSTEM ENERGY RESOURCES, INC.

SOUTH MISSISSIPPI ELECTRIC POWER ASSOCIATION

DOCKET NO. 50-416

GRAND GULF NUCLEAR STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 48  
License No. NPF-29

1. The Nuclear Regulatory Commission (the Commission) has found that
  - A. The application for amendment by System Energy Resources, Inc., (the licensee), dated July 12, 1988, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - 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.

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2. Accordingly, the license is amended by 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 and the Environmental Protection Plan contained in Appendix B, as revised through Amendment No. 48, are hereby incorporated into this license. System Energy Resources, Inc. 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 L. L. Kintner for

Elinor G. Adensam, Director  
Project Directorate II-1  
Division of Reactor Projects I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: September 23, 1988

OFC	: LA:PD21:DRPR:PM:PD21:DRPR:BC:ECEB:DES	: OGC	: D:PD21:DRPR	:	:
NAME	: PAnderson	: LKintner:jw:CMcCracken	: EAdensam	:	:
DATE	: 9/19/88	: 9/19/88	: 9/20/88	: 9/21/88	: 9/23/88

OFFICIAL RECORD COPY

ATTACHMENT TO LICENSE AMENDMENT NO. 48

FACILITY OPERATING LICENSE NO. NPF-29

DOCKET NO. 50-416

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

Remove

3/4 3-83

Insert

3/4 3-83

TABLE 3.3.7.9-1 (Continued)  
FIRE DETECTION INSTRUMENTATION

<u>ROOM</u>	<u>ELEV</u>	<u>ROOM NAME</u>	<u>MINIMUM INSTRUMENTS OPERABLE*</u>		
			<u>HEAT</u> <u>(X/Y)</u>	<u>FLAME</u> <sup>(1)</sup> <u>(X/Y)</u>	<u>SMOKE</u> <sup>(1)</sup> <u>(X/Y)</u>
13. Zone 1-16					13/0
OC405	148'	U-2 Lower Cable			
		Spreading Room			
OC412	148'	U-2 Electrical Space			
14. Zone 1-18					31/0
OC502	166'	U-2 Instr. Rack Area			
OC503	166'	Control Room			
OC504	166'	U-1 Instr. Rack Area			
OC516	166'	Electrical Space			
OC517	166'	Electrical Space			
15. Zone 1-19					9/0
OC507	166'	Aux. Instrument Shop			
OC509	166'	Corridor			
OC510	166'	Office			
OC511	166'	Dining Area			
OC512	166'	Kitchen			
OC514	166'	Locker Room			
OC515	166'	Corridor			
16. Zone 1-20					1/0
OC708A	189'	HVAC Chase			
17. Zone 1-21					2/0
OC518	166'	Electrical Chase			
OC611	177'	Electrical Chase			
18. Zone 1-22					16/0
OC601	177'	Viewing Gallery			
OC602	177'	Corridor No. 1			
OC603	177'	Emergency Dormitory			
OC604	177'	Computer Room			
OC605	177'	Janitor's Closet			
OC608	177'	Technical Support			
OC608B	177'	HVAC Chase			
OC613	177'	Corridor			
OC614	177'	Corridor			
OC616	177'	Storage Closet			
OC617	177'	Electrical Chase			
OC618	177'	Electrical Chase			
OC619	177'	Electrical Chase			
OC03	177'	Stair			



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 48 TO FACILITY OPERATING LICENSE NO. NPF-29  
MISSISSIPPI POWER & LIGHT COMPANY  
SYSTEM ENERGY RESOURCES, INC.  
SOUTH MISSISSIPPI ELECTRIC POWER ASSOCIATION  
GRAND GULF NUCLEAR STATION, UNIT 1  
DOCKET NO. 50-416

1.0 INTRODUCTION

By letter dated July 12, 1988, System Energy Resources, Inc. (the licensee), requested an amendment to Facility Operating License No. NPF-29 for the Grand Gulf Nuclear Station, Unit 1. The proposed amendment would delete a shower and drying area (Room OC506) from the Technical Specification (TS) Table 3.3.7.9.-1, "Fire Detection Instrumentation," because the control building locker room (Room OC514) will be enlarged by removing the walls separating the two rooms.

2.0 EVALUATION

The proposed change results from a design change to enlarge the locker room on the 166'-0" elevation of the control building. To accomplish the enlargement, several non-fire rated interior masonry walls are to be removed that will incorporate Rooms OC506 (Shower and Drying Area) and OC505 (Janitor Closet) into Room OC514 (Locker Room). The walls to be removed function only to divide up living space and serve no other purpose. Rooms OC506 and OC514 are currently listed in Zone 1-19 of Table 3.3.7.9-1. Room OC506 contains safety related electrical cable and raceway as described in the Fire Hazards Analysis and takes credit for the smoke detection instrumentation located in Room OC514. Room OC505 is not listed in the Technical Specifications because no safety related components or equipment are located in Room OC505. The licensee has stated that the design change has been reviewed and approved by a qualified fire protection engineer.

The locker room enlargement does not result in the removal or relocation of any fire detection instrumentation or any fire rated barriers. The smoke detection capability will not be reduced by the design change. Also, since the walls being removed are not fire related there will be no change in any existing fire rated barriers when Rooms OC506 and OC505 are incorporated into Room OC514. The room modifications do not affect any fire area boundaries.



Technical Specification 3.3.7.9 requires the fire detection instrumentation for Zone 1-19 to be operable. Table 3.3.7.9-1 lists the minimum number of fire detection instruments required to be operable in each detection zone. The design change will not add or delete any detection instruments to or from detection Zone 1-19. No detection instruments associated with Zone 1-19 will be relocated. The minimum number of instruments required to be operable in detection Zone 1-19 will not be affected and no building spaces previously provided with detection will have detection capability reduced. The incorporation of Room OC506 into Room OC514 necessitates the deletion of Room OC506 from Table 3.3.7.9-1. Therefore, the descriptive list of room in detection Zone 1-19 is being modified consistent with the new room designations.

The staff has reviewed the submittal and observed the rooms being modified. Removal of the walls between Room OC506, which contains safety-related electrical cable and raceways and Room OC514 where the smoke detection instrumentation is located will improve the capability for detecting fire in Room OC506 because of better air communication between the two areas when the wall is removed. Presently air communication is through an open doorway. Removal of the walls separating the small janitor closet Room OC505 from the other two rooms will not significantly affect fire detection capability. Accordingly the staff concludes that the change is acceptable.

### 3.0 ENVIRONMENTAL CONSIDERATION

This amendment changes a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released off site; and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration, and there has been no public comment on such finding. Accordingly, this amendment meets 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 this amendment.

### 4.0 CONCLUSION

The Commission made a proposed determination that this amendment involves no significant hazards consideration, which was published in the Federal Register on August 10, 1988 (53 FR 30138), and consulted with the State of Mississippi. No public comments or requests for hearing were received, and the State of Mississippi did not have any comments.

The staff 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, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and the security, or to the health and safety of the public.

Principal Contributor: L. L. Kintner, PD21/DRPR

Dated: September 23, 1988