March 5, 1990

Docket No. 50-416

DISTRIBUTION
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Mr. W. T. Cottle
Vice President, Nuclear Operations
System Energy Resources, Inc.
Post Office Box 469
Port Gibson, Mississippi 39150

Dear Mr. Cottle:

SUBJECT: ISSUANCE OF AMENDMENT NO. 66 TO FACILITY OPERATING LICENSE NO. NPF-29 - GRAND GULF NUCLEAR STATION, UNIT 1, REGARDING ORGANIZATION CHANGES (TAC NO. 74840)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 66 to Facility Operating License No. NPF-29 for the Grand Gulf Nuclear Station, (GGNS), Unit 1. This amendment consists of changes to the Technical Specifications (TS) in response to your application dated September 11, 1989.

The amendment changes three positions to reflect planned organization changes: (1) the duties of the Chemistry/Radiation Control Superintendent are divided between two new positions - Superintendent, Plant Chemistry and Superintendent, Radiation Control; (2) the position of Training Superintendent is changed to Manager, Nuclear Training; and (3) the position of Site Director, GGNS, Unit 1, is eliminated.

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,

E.G. Tourigny/for

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

Enclosures:
1. Amendment No. 66 to NPF-29
2. Safety Evaluation

cc w/enclosures:
See next page

OFC	LA:PD21:DRPR	PM:PD21:DRPR	D:PD21:DRPR			
NAME	PAnderson	LKintner:sw	EAdensam			
DATE	2/2/90	2/22/90	2/22/90			

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Mr. W. T. Cottle
System Energy Resources, Inc.

Grand Gulf Nuclear Station (GGNS)

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

SYSTEMS ENERGY RESOURCES, INC., et al

DOCKET NO. 50-416

GRAND GULF NUCLEAR STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 66
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 September 11, 1989, 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. 66 , 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

Ronnie Lo/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: March 5, 1990

OFC	:LA:PD21:DRPR	:PM:PD21:DRPR	: OGC	:D:PD21:DRPR	:	:	:
NAME	: PAnderson	: EKintner:sw		:EAdensam	:	:	: :
DATE	:2/21/90	:2/22/90	:2/23/90	:2/5/90	:	:	:

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ATTACHMENT TO LICENSE AMENDMENT NO. 66

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	Insert
6-6	6-6
6-12	6-12
6-13	6-13

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 Vice President, Nuclear Operations.

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, except for the Superintendent, Radiation Control and Shift Technical Advisor, who shall meet or exceed the education and experience requirements of ANSI/ANS 3.1-1981 as endorsed by Regulatory Guide 1.8, Revision 2, 1987, and licensed personnel who shall meet or exceed the criteria of the accredited license training program; 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 Manager, Nuclear Training shall meet or exceed INPO accreditation criteria and 10 CFR Part 55, 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.

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*Not responsible for sign-off function.

AUTHORITY

6.5.2.9 The SRC shall report to and advise the Vice President, Nuclear Operations on those areas of responsibility specified in Sections 6.5.2.7 and 6.5.2.8.

RECORDS

6.5.2.10 Records of SRC activities shall be prepared, approved and distributed as indicated below:

a. Minutes of each SRC meeting shall be prepared, approved and forwarded to the Vice President, Nuclear Operations within 14 days following each meeting.

b. Reports of reviews encompassed by Section 6.5.2.7 above, shall be prepared, approved and forwarded to the Vice President, Nuclear Operations within 14 days following completion of the review.

c. Audit reports encompassed by Section 6.5.2.8 above, shall be forwarded to the Vice President, Nuclear Operations and to the management positions responsible for the areas audited within 30 days after completion of the audit by the auditing organization.

6.5.3 TECHNICAL REVIEW AND CONTROL

ACTIVITIES

6.5.3.1 Activities which affect nuclear safety shall be conducted as follows:

a. Procedures required by Technical Specification 6.8 and other procedures which affect plant nuclear safety, and changes thereto, shall be prepared, reviewed and approved. Each such procedure or procedure change shall be reviewed by an individual/group other than the individual/group which prepared the procedure or procedure change, but who may be from the same organization as the individual/group which prepared the procedure or procedure change. Procedures other than Administrative Procedures shall be approved as delineated in writing by the GGNS General Manager. The GGNS General Manager shall approve administrative procedures, security implementing procedures and emergency plant implementing procedures. Temporary approval to procedures which clearly do not change the intent of the approved procedures may be made by two members of the plant management staff, at least one of whom holds a Senior Reactor Operator's License. Temporary changes shall be reviewed by the reviewing authority within 14 days of being issued. For changes to procedures which may involve a change in intent of the approved procedures, the person authorized above to approve the procedure shall approve the change.

b. Proposed changes or modifications to plant nuclear safety-related structures, systems and components shall be reviewed as designated by the Vice President, Nuclear Operations. Each such modification shall be reviewed by an individual/group other than the individual/group which designed the modification, but who may be from the same organization as the individual/group which designed the modifications. Implementation of proposed modifications to plant nuclear safety-related structures, systems and components shall be approved by the GGNS General Manager.

ACTIVITIES (Continued)

c. Proposed tests and experiments which affect plant nuclear safety and are not addressed in the Final Safety Analysis Report shall be reviewed by an individual/group other than the individual/group which prepared the proposed test or experiment.

d. Events reportable pursuant to Section 50.73 to 10 CFR Part 50 shall be investigated and a report prepared which evaluates the event and which provides recommendations to prevent recurrence. Such report shall be approved by the GGNS General Manager.

e. Individuals responsible for reviews performed in accordance with 6.5.3.1.a, 6.5.3.1.b, 6.5.3.1.c and 6.5.3.1.d shall meet or exceed the qualification requirements of Section 4.4 of ANSI 18.1, 1971, as previously designated by the Vice President, Nuclear Operations or GGNS General Manager, as applicable. Each such review shall include a determination of whether or not additional, cross-disciplinary review is necessary. If deemed necessary, such review shall be performed by the review personnel of the appropriate discipline.

f. Each review shall include a determination of whether or not an unreviewed safety question is involved.

g. Records of the above activities shall be provided to the GGNS General Manager, PSRC and/or as necessary for required reviews.

6.6 REPORTABLE EVENT ACTION

6.6.1 The following actions shall be taken for REPORTABLE EVENTS:

a. The Commission shall be notified pursuant to the requirements of Section 50.72 to 10 CFR Part 50, and a report submitted pursuant to the requirements of Section 50.73 to 10 CFR Part 50, and

b. Each REPORTABLE EVENT shall be reviewed by the PSRC and submitted to the SRC and the Vice President, Nuclear Operations.

6.7 SAFETY LIMIT VIOLATION

6.7.1 The following actions shall be taken in the event a Safety Limit is violated:

a. The NRC Operations Center shall be notified by telephone as soon as possible and in all cases within one hour. The Vice President, Nuclear Operations and the SRC shall be notified within 24 hours.

b. A Safety Limit Violation Report shall be prepared. The report shall be reviewed by the PSRC. This report shall describe (1) applicable circumstances preceding the violation, (2) effects of the violation upon unit components, systems or structures, and (3) corrective actions taken to prevent recurrence.

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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 66 TO FACILITY OPERATING LICENSE NO. NPF-29

SYSTEM ENERGY RESOURCES, INC.

GRAND GULF NUCLEAR STATION, UNIT 1

DOCKET NO. 50-416

1.0 INTRODUCTION

By letter dated September 11, 1989, System Energy Resources, Inc. (the licensee), requested an amendment to Facility Operating License No. NPF-29 for the Grand Gulf Nuclear Station, Unit 1 (GGNS). The proposed amendment would change the Technical Specifications (TS) by changing three positions in the on-site organization to reflect planned organization changes: (1) the duties of the Chemistry/Radiation Control Superintendent would be divided between two new positions - Superintendent, Plant Chemistry and Superintendent, Radiation Control; (2) the position of Training Superintendent is changed to Manager, Nuclear Training; and (3) the position of Site Director, GGNS would be eliminated.

2.0 EVALUATION

The first change requested by the licensee is in TS Section 6.3, Unit Staff Qualifications. In this change, the position described as meeting the education and experience requirements of ANSI/ANS 3.1-1981, as endorsed by Regulatory Guide 1.8, Revision 2, 1987, was changed from Chemistry/Radiation Control Superintendent to Superintendent, Radiation Control. SERI proposed this change due to an organization change that creates separate superintendents for the radiation control and chemistry duties: It is our position that splitting the duties of radiation protection and chemistry into two separate groups is preferable to a single group with joint responsibilities because this will allow the Radiation Protection Manager (RPM) and the technicians under him/her to focus their attention and duties on the area of radiation protection alone. Section II.A.1 of NUREG-0731 states that one characteristic that forms the basis for a plant organization is that "distinct functional areas are separately supervised and/or managed." For these reasons, we find the proposed creation of separate radiation protection and chemistry groups acceptable. The licensee intends to have T. O. Hildebrandt (previously the Radiation Control Supervisor, Technical Support at GGNS) fill the newly created position of Superintendent, Radiation Control. The person filling this position will also assume the responsibilities of Radiation Protection Manager and, in doing so, must meet or exceed the education

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and experience requirements of ANSI/ANS 3.1-1981 as endorsed by Regulatory Guide 1.8, Revision 2, 1987. In addition to having a bachelor's degree in a science or engineering subject as specified in Regulatory Guide 1.8, Mr Hildebrandt has served several years in the U. S. Navy as a qualified Radiation Control Supervisor. He has spent the last ten years working as a health physicist at the Grand Gulf Nuclear Station. For eight of these years, Mr. Hildebrandt held supervisory positions and has been responsible for implementing and maintaining radiation protection activities such as ALARA (as low as reasonably achievable), exposure and contamination control, radwaste handling, plant decontamination, first aid, emergency preparedness, respiratory protection, and health physics training. After reviewing Mr. Hildebrandt's resume, we find that he has the necessary educational and experience requirements to serve in the position of Radiation Protection Manager at GGNS. Thus, the change is accpetable.

The second change is in TS Section 6.4, Training. In this change, the Manager, Nuclear Training replaces the Training Superintendent. This requested change neither alters any previous training programmatic requirement nor diminishes the independence of the training functional area from the operations functional area. The organizational authority and status of a superintendent are greater than those of a manager in the GGNS onsite organization. Accordingly, the change is acceptable.

The third change is in the TS Section 6.5.3, Technical Review and Control. This TS section describes the licensee's administrative controls concerning technical review and control activities. As a result of the planned elimination of the position of Site Director, GGNS, SERI proposed that: (1) the Vice President, Nuclear Operations (VPNO) assume the duties tasked to the Site Director in TS Sections 6.5.3.1.b and 6.5.3.1.e, and (2) other duties formerly held by the Site Director, but not governed by the TS, be delegated to the Director, Plant Projects and Support, who reports directly to the VPNO. We have reviewed this proposed change against the applicable criteria of Section 13.1 of the Standard Review Plan (NUREG 0800), and find it acceptable because the qualifications of the VPNO exceed those previously required of the Site Director. This provides assurance that the VPNO is technically qualified to engage in the activities described in TS Section 6.5.3.1.b and 6.5.3.1.e. Additionally, like the Site Director, the VPNO will be located on site where direct involvement of senior management in site activities can be exercised. We find this change acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

The amendment relates to changes in recordkeeping, reporting, or administrative procedures or requirements. 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.

4.0 CONCLUSION

The Commission made a proposed determination that this amendment involves no significant hazards consideration, which was published in the Federal Register (54 FR 49138) on November 29, 1989, and consulted with the State of Mississippi. No public comments or requests for hearing were received, and the State of Missisppi 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 Contributors: M. Case
C. Hinson

Dated: March 5, 1990

AMENDMENT NO. 66 TO FACILITY OPERATING LICENSE NO. NPF-29 - GRAND GULF

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