

November 14, 1990

Docket No. 50-416

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Mr. William T. Cottle
Vice President, Operations GGNS
Entergy Operations, Inc.
Post Office Box 756
Port Gibson, Mississippi 39150

Dear Mr. Cottle:

SUBJECT: CORRECTION TO AMENDMENT NO. 72 TO FACILITY OPERATING LICENSE
NO. NPF-29 - GRAND GULF NUCLEAR STATION, UNIT NO. 1, DATED
NOVEMBER 7, 1990 (TAC NO. 76092)

The Nuclear Regulatory Commission inadvertently issued Amendment No. 72 on November 7, 1990, with a typographical error in the Safety Evaluation and an incorrect reference to the Licensee in the Operating License.

Please replace page 4 of the November 7, 1990 Safety Evaluation with the attached revised page. The correction is made in the first paragraph changing the word "incore" to "excore."

Also enclosed is revised page 18 to Attachment 1 to the Operating License. The revision reflects administrative changes made in Amendment No. 65 in reference to the Licensee, Entergy Operations, Inc. (EOI), instead of System Energy Resources, Inc. (SERI).

Sincerely,

ORIGINAL SIGNED BY:

Lester L. Kintner, Senior Project Manager
Project Directorate IV-1
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Enclosures:
As stated

cc w/enclosures:
See next page

OFC	: PDIV-1/LA	: PDIV-1/PM	: PDIV-1/D	:	:	:	:
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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555

November 14, 1990

Docket No. 50-416

Mr. William T. Cottle
Vice President, Operations GGNS
Entergy Operations, Inc.
Post Office Box 756
Port Gibson, Mississippi 39150

Dear Mr. Cottle:

SUBJECT: CORRECTION TO AMENDMENT NO. 72 TO FACILITY OPERATING LICENSE
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Sincerely,

A handwritten signature in cursive script that reads "L L Kintner".

Lester L. Kintner, Senior Project Manager
Project Directorate IV-1
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Enclosures:
As stated

cc w/enclosures:
See next page

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Grand Gulf Nuclear Station

cc:

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Jackson, Mississippi 39286-1995

The licensee has committed to install an excore neutron monitoring system that meets the recommendations of R.G. 1.97. The licensee has also agreed to provide the staff with quarterly updates of the progress of procurement, design, and installation of a qualified system. Until the post-accident qualified neutron flux monitoring system is installed and operational, the licensee would use the presently installed neutron flux monitoring system and other post-accident qualified instrumentation. The presently installed system is expected to function during the initial phase of an accident (including a LOCA) to indicate subcritical reactor power. Long term monitoring is available through the APRM channels where operator action is required at the APRM down scale alarm. However, since the presently installed system is not fully qualified to R.G. 1.97, Category 1 requirements, long-term monitoring in a harsh environment may not be directly available over the entire R.G. 1.97 range. In this event, other measures and indications are available to the operator, as discussed below:

- (a) The present control rod position indication system provides the reactor operator with the information that all rods are inserted.
- (b) Qualified instrumentation, such as reactor pressure, suppression pool temperature and safety relief valve (SRV) actuation, provides the reactor operator with post-accident information of assessment of reactor power if direct neutron monitoring capability is not available.
- (c) The Emergency Procedures (EP) are symptom based and provide appropriately conservative actions if reactor power can not be directly measured in a post-accident situation. The EP contain action steps that mitigate the symptomatic effects of design basis events (such as LOCA), and beyond design basis events (such as ATWS).

The compensatory measures listed above ensure that the consequences of an accident previously evaluated will not be significantly increased by the absence of a post-accident neutron flux monitoring system during the fifth fuel cycle.

Based on the licensee's commitment to install an improved neutron flux monitoring instrumentation that fully conforms to R.G. 1.97, Revision 2, by startup following the fifth refueling outage and to provide quarterly reports on the status and schedule for procurement, design, and installation of the instrumentation, the staff concludes that the proposed delay is acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change in 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

Attachment 1

EOI shall complete the following requirements on the schedule noted below:

Emergency Response Facilities (Generic Letter 82-33, NUREG-0737
Supplement 1, SSER #5)

EOI shall implement the specific items below, in the manner described in MP&L letter (AECM-83/0232) dated April 15, 1983, as modified in MP&L letter (AECM-83/0486) dated August 22, 1983, no later than the following specified dates:

- (a) Safety Parameter Display System (SPDS)
 - (1) Submit a safety analysis and implementation plan to the NRC July 1985
 - (2) SPDS fully operational and operator trained Prior to startup following first refueling outage.
- (b) Detailed Control Room Design Review (DCRDR)
 - (1) Submit a program plan to the NRC December 1984
 - (2) Submit a summary report to the NRC including a proposed schedule for implementation July 1986
- (c) Regulatory Guide 1.97 - Application to Emergency Response Facilities
 - (1) Submit a report to the NRC describing how the requirements of Supplement 1 to NUREG-0737 have been or will be met. February 1985
 - (2) Implement (installation or upgrade) requirements of R.G. 1.97 with exception of flux monitoring and coolant level monitoring. Prior to startup following first refueling outage.
 - (3) Implement (installation or upgrade) requirements of R.G. 1.97 for coolant level monitoring. Prior to startup following second refueling outage.
 - (4) Implement (installation or upgrade) requirements of R.G. 1.97 for flux monitoring. Prior to startup following fifth refueling outage.
- (d) Upgrade Emergency Operating Procedures (EOP's)
 - (1) Submit a Procedures Generation Package to the NRC. April 1985



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

November 7, 1990

MEMORANDUM FOR: Sholly Coordinator

FROM: Lester L. Kintner, Senior Project Manager
Project Directorate IV-1
Division of Reactor Projects III,
IV, V and Special Projects

SUBJECT: REQUEST FOR PUBLICATION IN BIWEEKLY FR NOTICE - NOTICE OF
ISSUANCE OF AMENDMENT TO FACILITY OPERATING LICENSE
(TAC NO. 76902)

Entergy Operations, Inc., System Energy Resources, Inc., South Mississippi
Electric Power Association, and Mississippi Power & Light Company, Docket
No. 50-416, Grand Gulf Nuclear Station, Unit 1, Claiborne County, Mississippi
Date of application for amendment: February 16, 1990, as revised May 31,
1990, and June 22, 1990.

Brief description of amendment: The amendment extends the date for installing
a neutron flux monitor for improved accident monitoring from the fourth
refueling outage (October 1990) to the fifth refueling outage (April 1992).

Date of issuance: November 7, 1990

Effective date: November 7, 1990

Amendment No: 72

Facility Operating License No. NPF-29. Amendment revises the Operating
License.

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Date of initial notice in FEDERAL REGISTER: July 25, 1990 (55 FR 30295)

The Commission's related evaluation of the amendment is contained in a Safety Evaluation dated November 7, 1990.

No significant hazards consideration comments received: No

Local Public Document Room location: Hinds Junior College, McLendon Library, Raymond, Mississippi 39154.

ORIGINAL SIGNED BY:

Lester L. Kintner, Senior Project Manager
Project Directorate IV-1
Division of Reactor Projects III,
IV, V and Special Projects

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LBerry TQuay
Sholly Coordinator (Orig & 1)

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NAME	: LBerry: <i>hb</i>	: LKintner: <i>ML</i>	: <i>R. Bachmann</i>	: TQuay <i>TQ</i>	:	:	:
DATE	: <i>10/9</i> /90	: <i>10/10</i> /90	: <i>10/25</i> /90	: <i>11/7</i> /90	:	:	:

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