

September 27, 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: GRAND GULF NUCLEAR STATION, UNIT 1 (GRAND GULF - 1) - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING CHANGES TO THE REACTOR VESSEL  
PRESSURE-TEMPERATURE LIMITS (TAC NO. 76831)

By letter dated April 26, 1990, the licensee (System Energy Resources, Inc. before June 6, 1990, and Entergy Operations, Inc. after that date) requested an amendment to the Grand Gulf - 1 Operating License. The amendment would change the reactor vessel pressure-temperature limits in the Technical Specifications. The NRC staff is reviewing this submittal. A teleconference regarding our review to date was held with your staff on September 7, 1990.

The staff finds that the additional information identified in the enclosure is needed to complete its review. Provide the enclosed requested additional information by November 30, 1990.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

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

Enclosure:  
As stated

cc w/enclosure:

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PD4-1 Reading	E. Jordan MNBB 3701		

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OFC	:PD4-1/LA*	:PD4-1/PM*	:SRXB/BC*	:PD4-1/D	:	:
NAME	:LBerry	:LKintner:lh	:RJones	:TQuay	:	:
DATE	:09/21/90	:09/25/90	:09/24/90	:09/26/90	:	:

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

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Vice President, Operations GGNS  
Energy Operations, Inc.  
Post Office Box 756  
Port Gibson, Mississippi 39150

Dear Mr. Cottle:

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Sincerely,

A handwritten signature in cursive script, appearing to read "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

Enclosure:  
As stated

cc w/enclosure:  
See next page

ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION  
REGARDING PRESSURE-TEMPERATURE LIMITS  
GRAND GULF NUCLEAR STATION (GGNS), UNIT 1

By letter dated April 26, 1990, the licensee (System Energy Resources, Inc. prior to June 6, 1990 and Entergy Operations, Inc. after that date) requested a change to the reactor vessel pressure-temperature limits in GGNS Unit 1 Technical Specifications. The NRC staff is reviewing the submittal and had a teleconference with the licensee on September 7, 1990. The NRC staff finds that the following additional information is needed to complete its review.

- (1) Provide the analysis of flux wire dosimeters removed from the GGNS Unit 1 reactor vessel during the first refueling outage.
- (2) Provide a discussion of the basis for the fluence uncertainty of  $\pm 20\%$  from the flux wire analysis.
- (3) Provide the basis for the peak fluence revision from  $1.9 \times 10^{19}$  neutrons/square centimeter ( $n/cm^2$ ) to  $2.4 \times 10^{19} n/cm^2$ .
- (4) Provide the azimuthal fluence estimate at the reactor vessel inside diameter projected for the end of life (or any other available time).

Mr. W. T. Cottle  
Energy Operations, Inc.

Grand Gulf Nuclear Station

cc:

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