

April 12, 2001

Mr. William A. Eaton  
Vice President, Operations GGNS  
Entergy Operations, Inc.  
P. O. Box 756  
Port Gibson, MS 39150

SUBJECT: GRAND GULF NUCLEAR STATION, UNIT 1 - REQUEST FOR ADDITIONAL  
INFORMATION RE: REVISION OF TECHNICAL SPECIFICATIONS FOR  
EMERGENCY DIESEL GENERATOR LUBE OIL INVENTORY  
(TAC NO. MB0423)

Dear Mr. Eaton:

The staff is reviewing your request dated October 24, 2000 (GNRO-2000/00060) for revision of Grand Gulf Nuclear Station (GGNS) Technical Specifications for the Emergency Diesel Generator Lube Oil System inventory. Based on this review, the Plant Systems Branch has developed the enclosed request for additional information (RAI).

It is requested that you provide a response to the enclosed RAI within 60 days of receipt of this letter. This response schedule was discussed with Mr. Lonnie Daughtery of your staff on April 4, 2001, who indicated that GGNS will be able to meet this schedule. The staff appreciates the efforts expended with respect to this matter.

If you have any questions regarding this issue, please call me at 301-415-2623.

Sincerely,

*/RA/*

S. Patrick Sekerak, Project Manager, Section 1  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-416

Enclosure: RAI

cc w/encl: See next page

Grand Gulf Nuclear Station

cc:

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REQUEST FOR ADDITIONAL INFORMATION  
RELATED TO EMERGENCY DIESEL GENERATOR LUBE OIL SYSTEM INVENTORY  
GRAND GULF NUCLEAR STATION  
DOCKET NO. 50-416  
(REF. GNRO-2000/00060)

Plant Systems RAI Questions:

- 1.0 Discuss the provisions established, or to be established, in the plant operating procedures to ensure that Division III emergency diesel generator (EDG) engines will have sufficient lube oil for seven days of operation following a design basis accident. Information should include:
- a. A detailed description to show how the lube oil inventory in the EDGs will be monitored.
  - b. A detailed description to show how the lube oil will be transferred from the skid mounted barrels to the EDGs.

Fire Protection RAI Questions:

- 2.0 The licensee stated in the license amendment request that their fire hazard analysis (FHA) was updated to ensure that the existing design requirements were still valid, and that the ability to achieve and maintain safe shutdown was not adversely affected. Lube oil fires are typically rapidly developing fires, with high rates of heat release, that produce large amounts of dense smoke. Early detection and prompt automatic suppression are key to controlling this type of fire. Therefore, since the FHA update was not included in the license amendment request, please respond to the following staff concerns:
- a. Provide the staff with a copy of the updated portions of the FHA which assessed that the existing design requirements were still valid, and that the ability to achieve and maintain safe shutdown was not adversely affected for Division I, II, and III EDGs, and for the lube oil storage skid.

ENCLOSURE

- b. Provide either a detailed diagram or detailed written description to describe the relationship of the lube oil storage skid and the Division I, II, and III EDGs to the following:
- combustibles
  - potential ignition/heat sources
  - safe shutdown equipment or cables
  - rated fire barriers/doors
  - automatic suppression and detection systems
  - manual fire protection features
  - ventilation systems
- c. Discuss what measures are in place to prevent or detect oil leakage from the skid-mounted barrels. Furthermore, in the event that the skid-mounted barrels leak oil, describe all actions or built-in features that would minimize the potential for a fire and limit the ability of the oil to spread beyond the lube oil storage skid.