

50-416



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

October 30, 1996

Mr. Joseph J. Hagan  
Vice President, Operations GGNS  
Entergy Operations, Inc.  
P. O. Box 756  
Port Gibson, MS 39150

SUBJECT: RESOLUTION OF SPENT FUEL STORAGE POOL SAFETY ISSUES AND ISSUANCE OF  
FINAL REPORT, GRAND GULF NUCLEAR STATION, UNIT 1 (TAC NO. M88094)

Dear Mr. Hagan:

The Nuclear Regulatory Commission staff recently completed a detailed review of spent fuel storage pool safety issues. The results of the staff's review are documented in a report dated July 26, 1996, to the Commission which is enclosed for your information. This report is the result of a generic action plan by the staff for ensuring the safety of spent fuel storage pools (SFPs) in response to two postulated event sequences involving the SFPs at two separate plants. The principal safety concerns addressed by the action plan involved the potential for a sustained loss of SFP cooling and the potential for a substantial loss of SFP inventory that could expose irradiated fuel.

In the enclosed report, the staff concludes that existing structures, systems, and components related to the storage of irradiated fuel provide adequate protection of public health and safety, for nuclear power plants including Grand Gulf Nuclear Station, Unit 1. Unit 1 was not identified in Section 4.1 of the report for an additional plant-specific evaluation.

Notwithstanding this finding of adequate protection, the staff has identified certain plant-specific design features that reduce the reliability of spent fuel pool decay heat removal, increase the potential for loss of spent fuel coolant inventory, or increase the potential for consequential loss of essential safety functions at an operating reactor. The staff, therefore, intends to conduct plant-specific regulatory analyses to evaluate potential safety enhancement backfits pursuant to 10 CFR 50.109(a)(3) at a number of operating plants that possess one or more of these design features. This, as shown in the report, does not include Grand Gulf Nuclear Station, Unit 1.

Although Grand Gulf Nuclear Station, Unit 1 was not identified in the report for a plant-specific safety enhancement backfit analysis by the staff, it is requested that you review the enclosed report for applicability to the unit and consider actions, as appropriate, related to the design of spent fuel pool decay heat removal systems. This request, however, does not require any response.

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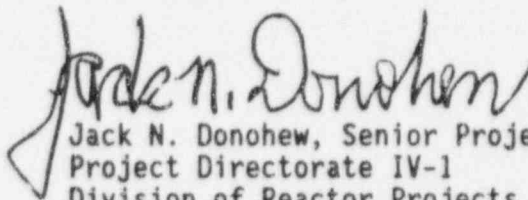
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Mr. Joseph J. Hagan

- 2 -

If you have any questions regarding this matter, please do not hesitate to contact me at 301-415-1307.

Sincerely,

A handwritten signature in dark ink, appearing to read "Jack N. Donohew". The signature is fluid and cursive, with a large initial "J" and "D".

Jack N. Donohew, Senior Project Manager  
Project Directorate IV-1  
Division of Reactor Projects III/IV  
Office of Nuclear Reactor Regulation

Docket No. 50-416

Enclosure: Memo to the Commission, from  
J. Taylor, "Resolution of Spent Fuel  
Storage Pool Action Plan Issues,"  
dated July 26, 1996

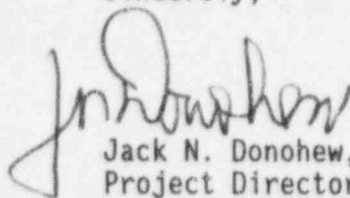
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Mr. Joseph J. Hagan

- 3 -

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Sincerely,



Jack N. Donohew, Senior Project Manager  
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Office of Nuclear Reactor Regulation

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NAME	JDonohew:sp	CHawes CMT
DATE	10/30/96	10/29/96
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Grand Gulf Nuclear Station

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