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P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

NUCLEAR PRODUCTION DEPARTMENT

May 5, 1982

U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D. D. 20555

Attention: Mr. Harold R. Denton, Director

Dear Mr. Denton:



SUBJECT: Grand Gulf Nuclear Station
Units 1 and 2
Docket Nos. 50-416 and 50-417
File: 0260/0272/8100/L-860.0
SSW System Modifications
AECM-82/154

During startup testing of the safety related standby service water (SSW) system at Grand Gulf Unit 1, it was determined that the design flow rates to several components cooled by the SSW system could not be achieved due to insufficient pump head. As an interim solution to support Unit 1 operation, it is our intention to isolate (valve out) the fuel pool cooling heat exchangers to decrease total system flow requirements and thereby increase the available head from the SSW pumps. Appropriate administrative controls will be employed to ensure that the fuel pool cooling heat exchanges are isolated. This operational change, in addition to piping modifications presently being implemented, will ensure that all other safety related components can receive their design flow rates for the required 30 days emergency operation, if necessary.

The above proposed solution is justified until the first refueling outage on the following basis:

Under normal circumstances, spent fuel will not be stored in the fuel pool until the first refueling. Therefore, unavailability of the fuel pool cooling heat exchangers will have no impact on plant safety. If offloading of the core is required during initial phases of plant operation, the fuel pool cooling mode of the RHR system is available and will be used. The existing SSW system design is adequate to provide the required flow rates to the RHR heat exchangers.

An evaluation is currently in progress regarding a long term solution to this problem. It is anticipated that larger SSW pump motors and impellers will be required. Modifications to return the SSW system to its normal configuration will be implemented prior to startup from the first regularly scheduled refueling outage.

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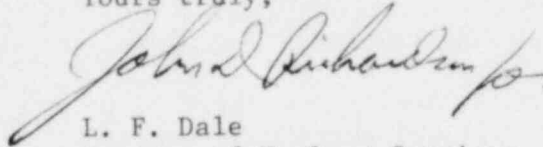
Boo!
S/HO

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If you have any questions or require further information, please contact this office.

Yours truly,



L. F. Dale
Manager of Nuclear Services

JHS/JGC/JDR:lg

cc: Mr. N. L. Stampley
Mr. G. B. Taylor
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