



MISSISSIPPI POWER & LIGHT COMPANY

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May 6, 1985

O. D. KINGSLEY, JR.

VICE PRESIDENT - NUCLEAR OPERATIONS

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

Attention: Mr. Harold R. Denton, Director

Dear Mr. Denton:

SUBJECT: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-29
File: 0260/0840/L-860.0
High Density Spent Fuel Racks
AECM-85/0143

In accordance with the provisions of 10 CFR 50.59 and 10 CFR 50.90, Mississippi Power & Light (MP&L) requests an amendment to License NPF-29, for Grand Gulf Nuclear Station (GGNS) Unit 1. The purpose of the proposed amendment is to allow the replacement of the current low density aluminum spent fuel racks with high density spent fuel racks to provide increased storage capacity of spent fuel at GGNS Unit 1. The increased storage capacity requires a revision to the plant technical specifications. MP&L has provided a proposed change to the GGNS Unit 1 Technical Specifications in Attachment 1.

A report prepared for MP&L by the Joseph Oat Corporation, "Licensing Report on High Density Spent Fuel Racks for Grand Gulf Nuclear Station, Unit 1," dated November, 1983, is provided as Attachment 2 to support the requested change. High density racks designed and fabricated by the Joseph Oat Corporation have been licensed by the NRC and installed at several other nuclear power plants (Refer to Table 3.1 in the attached licensing report).

GGNS Unit 1 currently has a combined licensed spent fuel storage capacity of 1440 spaces. The proposed reracking will increase the capacity to 5148 storage spaces. High density spent fuel storage racks containing Boraflex, a neutron absorbing material, will extend fuel storage capacity from the current 1990 date to the year 2004.

MP&L plans to install the high density racks in the spent fuel and upper containment pools at GGNS during an outage scheduled in the fall of 1985. NRC review and approval is requested by October 1, 1985 to support this installation. MP&L will remove the presently installed racks prior to the requested approval date. Administrative controls currently in effect restrict utilization of the above pools consistent with Operating License Conditions 2.C.(20) and 2.C.(21).

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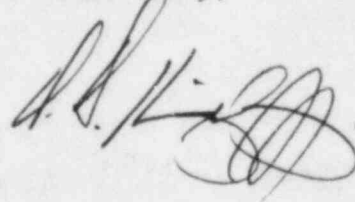
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In accordance with the provisions of 10 CFR 50.30, three (3) signed originals and forty (40) copies of the requested amendment are enclosed. The attachment provides the complete technical justification and discussion to support the requested amendment. This amendment has been reviewed and accepted by the Plant Safety Review Committee (PSRC) and the Safety Review Committee (SRC).

Based on the guidelines presented in 10 CFR 50.92, it is the opinion of MP&L that this proposed amendment involves no significant hazards considerations as discussed in Attachment 1.

In accordance with the requirements of 10 CFR 170 an application fee of \$150 is enclosed with this letter.

Yours truly,



ODK:rw
Attachments

cc: Mr. J. B. Richard (w/a)
Mr. R. B. McGehee (w/a)
Mr. N. S. Reynolds (w/a)
Mr. G. B. Taylor (w/o)
Mr. R. C. Butcher (w/a)

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