

APR 9 1981

Docket Nos.: 50-416/417



Mr. J. P. McGaughy, Jr.
Assistant Vice President - Nuclear Production
Mississippi Power and Light Company
P. O. Box 1640
Jackson, Mississippi 39205

Dear Mr. McGaughy:

SUBJECT: GRAND GULF NUCLEAR STATION UNITS 1 AND 2-RESOLUTION OF OPEN
ITEMS IN CORE PERFORMANCE BRANCH DRAFT SAFETY EVALUATIONS

Our review of your application for the Grand Gulf Nuclear Station has progressed to the point that we now have a draft Safety Evaluation Report (SER) in the reactor fuels and reactor physics areas of the Core Performance Branch Review. We propose to complete the review in these areas using the draft SER procedure, similar to that used in the mechanical engineering review.

Enclosure 1 provides our reactor fuels draft SER to FSAR Section 4.2. The draft SER identifies four open items which must be resolved before our review can be completed: (1) supplemental ECCS calculations with NUREG-0630 models, (2) periodic channel box deflection tests, (3) combined seismic and LOCA loads analysis, and (4) fission gas release analysis at high burn-up. In regard to the fuel system design, we have concluded that the GGNS fuel system design is acceptable, provided that the required additional analyses and test program commitments are submitted for our review and found acceptable.

Enclosure 2 provides our reactor physics draft SER to FSAR Sections 4.3, 15.4.1, 15.4.2, 15.4.7 and 15.4.9. As indicated in the enclosure, we conclude that all applicable criteria for these sections are met and that there are no open issues.

We request that your staff (1) review the enclosed draft SER inputs, (2) prepare responses to resolve each of the open items, and (3) meet with the NRC staff, if necessary, at a mutually agreeable time and place where your staff will present and discuss your responses and proposed solutions for each open item.

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J. P. McGaughy, Jr.

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When your staff has had sufficient time to review the draft SER inputs and has prepared responses to resolve each open item, please inform the Project Manager, Joseph A. Martore so that we can discuss the need for a meeting or conference call.

If you have any questions regarding this matter, please call us.

Sincerely,

Original signed by
Robert L. Tedesco

Robert L. Tedesco, Assistant Director
for Licensing
Division of Licensing

Enclosures:
As stated

cc: w/o enclosures:
See next page

OFFICE	DL:LB#	DL:LB#3	DL:AD/L				
SURNAME	JMartore wt	FM [signature] ia	RLTedesco				
DATE	4/2/81	4/7/81	4/7/81				



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

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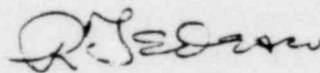
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Sincerely,



Robert L. Tedesco, Assistant Director
for Licensing
Division of Licensing

Enclosures:
As stated

cc: w/o enclosures:
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Mr. J. P. McGaughy
Assistant Vice President - Nuclear Production
Mississippi Power & Light Company
P. O. Box 1640
Jackson, Mississippi 39205

cc: Robert B. McGehee, Esq.
Wise, Carter, Child, Steen & Caraway
P. O. Box 651
Jackson, Mississippi 39205

Troy B. Conner, Jr., Esq.
Conner, Moore & Corber
1747 Pennsylvania Avenue, N. W.
Washington, D. C. 20006

Mr. Adrian Zaccaria, Project Engineer
Grand Gulf Nuclear Station
Bechtel Power Corporation
Gaithersburg, Maryland 20760

Mr. Alan G. Wagner, Resident Inspector
Route 2 Box 150
Port Gibson, Mississippi 39150

Mr. N. L. Stampley, Sr. Vice President
Engineering, Production & Construction
P.O. Box 1640
Jackson, Mississippi 39205

Mr. L. F. Dale
Nuclear Project Manager
P.O. Box 1640
Jackson, Mississippi 39205

Mr. John Richardson
P. O. Box 1640
Jackson, Mississippi 39205