



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

PRODUCTION DEPARTMENT

April 25, 1975

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Nuclear Regulatory Commission
Washington, D. C. 20545

LICENSING

Attention: Deputy Director for Reactor Projects
Directorate of Licensing

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station
Units 1 and 2
Docket Nos. 50-416-417
File 0272/0277/5016
Suppression Pool Dynamic Loads
AECM-75/21

REFERENCE: (1) Letter, Dr. Walter R.
Butler to Mr. H. L. Stampley
of March 3, 1975

(2) Letter, J. P. McGaughy, Jr.
to Nuclear Regulatory Commission
of March 18, 1975

Enclosure (2) of Reference 1 contained nine specific items of Staff concern on the general topic of suppression pool dynamic loads. Enclosed are three copies of our response to these concerns. The response has been divided into three sections, primarily due to the organizational division of responsibility; in general, the relationship between the sections and the nine items of Enclosure (2) can be summarized as follows:

Section I contains a chronology of the pool dynamic loads, a description of the magnitude of the loads, and various bar charts that indicate the total applicable pool dynamic load as a function of time. This part is directed to Items 2, 3, 4, and 6 of Enclosure (2).

Section II contains a description of the affected structures, analysis procedures, and quantifies the relative importance of the pool dynamic loads. This part is directed to Items 5 and 6.

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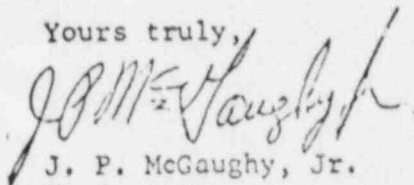
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Section III contains the justification for the loads presented in Section I. In addition, information relating to the schedule for the Mark III Verification Program is provided. This part is directed to Items 7 and 9.

Drawings as requested in Item 1 of Enclosure (2) (and referenced in Section II of this report) and the schedule of design, procurement, and construction requested in Item 8 were provided earlier by Reference (2).

Yours truly,



J. P. McGaughey, Jr.
Project Manager

CLP/ad

Attachments: Section I, II, and III -
Response to March 3, 1975 Request

cc: Mr. Troy B. Conner, Jr.
Mr. Robert C. Travis