

*Mr. Ernst Volzmann*



MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

November 28, 1978

PRODUCTION DEPARTMENT

U. S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region II  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

Attention: Mr. J. P. O'Reilly, Director

Dear Sir:

SUBJECT: Grand Gulf Nuclear Station  
Units 1 and 2  
Docket Nos. 50/416 and 50/417  
File 0260/0498/15525/15526  
PRD 76/06 Final Report As  
Defined in 10CFR50.55(e)  
AECM-78/68

On August 2, 1976, Mississippi Power & Light Company reported a potential deficiency to your office regarding the Grand Gulf containment design. Two interim reports have since been filed regarding this subject, dated August 31, 1976 and July 5, 1977. The reports related our plans to analyze the dynamic effects of quencher loadings on the containment structure. This analysis effort has been continuing since August 1976, and the latest results are included in the FSAR.

The Grand Gulf Nuclear Station FSAR was docketed on June 30, 1978. Appendix 6A and Paragraph 3.8.3.3, thereof, consider the effect on the containments of main steam safety relief valve discharge loads with the quencher device. The FSAR and this subject are currently under review by the NRC Staff.

At this stage of the review, no deficiencies in the design or construction of the containment are known to exist, therefore, this deficiency is not considered to be reportable as defined in 10CFR50.55(e). All action taken on the dynamic effects due to quencher loadings will be documented in Bechtel's Management Corrective Action Report MCAR-GGNS #15, which will be available for your review at the GGNS Construction Site.

Yours truly,

*L. J. Dore*

*for* J. P. McGaughy, Jr.  
Director of Power Production

JRF/db

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Member Middle South Utilities System

MISSISSIPPI POWER & LIGHT COMPANY

Mr. J. P. O'Reilly  
NRC

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AECM-78/68  
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cc: Mr. R. C. Travis  
Mr. R. B. McGehee  
Mr. N. L. Stampley

Mr. Ernst Volgenau, Director **THIS COPY FOR**  
Division of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555