



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

September 7, 1984

NUCLEAR LICENSING & SAFETY DEPARTMENT

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
Units 1 and 2
Docket Nos. 50-416 and 50-417
License No. NPF-13
File: 0260/272/L-860.0
Humphrey Containment Concerns
AECM-84/0443

References: 1) Letter Number AECM-83/0146, from L. F. Dale to
H. R. Denton, dated March 23, 1983.

In Reference 1, Mississippi Power & Light Company (MP&L) committed to submit an evaluation of condensation oscillation (CO) loads which could be produced by discharges from the RHR heat exchanger relief valve discharge line once the Containment Issues Owners Group (CIOG) generic effort to define these loads was completed. The CIOG effort has been completed and the report, "Assessment of RHR Steam Discharge Condensation Oscillation in Mark III Containments," is attached for your review.

The conclusions of the evaluation state that the potential condensation oscillation loads which could be produced by steam discharge from the RHR heat exchanger relief valves are bounded by the loads which are produced by main steam SRV actuations and that condensation oscillation loads have no design significance. MP&L agrees with these conclusions. However, due to some questions that were raised by a member of Containment Issues Review Panel (CIRP), MP&L has requested our Architect Engineer to review the report and address these questions. These questions involve the frequency content of the condensation oscillation loading and the magnitude of the negative pressure resulting from the RHR relief valve discharge. Because of the very conservative nature of the source from which these loads were generated, MP&L considers this review to be confirmatory in nature and believes that the condensation oscillation loads have no design significance. It should be pointed out that the final report from the CIRP (with the concurrence of the panel member who raised the open questions) states that since the condensation oscillation loads were found to be bounded by the main stream SRV-all or air bubble loads, the panel feels that the loads have been adequately evaluated. Nevertheless, MP&L intends to address the issues involved in those questions.

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Member Middle South Utilities System

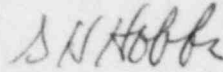
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MISSISSIPPI POWER & LIGHT COMPANY

MP&L will submit the results of our Architect Engineer's review after it is completed. Completion is tentatively scheduled for mid-December, 1984.

Yours truly,



L. F. Dale
Director

GWS/SHH:cb
Attachment

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

Mr. Richard C. DeYoung, Director (w/a)
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