MISSISSIPPI POWER & LIGHT COMPANY
*Helping Build Mississippi*
P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

April 27, 1982



NUCLEAR PRODUCTION 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
File 0260/0288/L-360.0
Update of Information Concerning
ACRS Action Items
AECM-82/175

In support of information presented in letter dated January 14, 1982 (AECM-81/425), Mississippi Power & Light Company (MP&L) is providing additional information to clarify an ACRS concern dealing with control rod drive and exhaust lines (CRD) which are located in the vicinity of reactor coolant system piping as outlined in the above stated letter.

In response to the ACRS concern, MP&L committed (AECM-81/425, Response to Question No. 4) to provide a shield to protect the CRD piping bundle support located in the vicinity of the reactor recirculation system piping. In addition, MP&L indicated that an evaluation was in progress to ascertain the need for additional shielding of the CRD piping bundle subject to the postulated jet impingement effects.

The Grand Gulf specific evaluation has been completed. The CRD piping bundle and bundle support analysis indicate that neither a support shield or piping shield are necessary. However, in parallel to the specific jet impingement analysis, additional Grand Gulf specific analysis was being performed to determine the effects of hydrodynamic loads on CRD piping inside the containment. This analysis yielded conditions which required modification to strengthen the CRD piping bundle support in question.

The hydrodynamic loads analysis results were considered in the detailed evaluation of the jet impingement effects on the CRD piping and piping bundle support.

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We are confident that the support and piping will perform its design function under the postulated effects of jet impingement and that the LOCA analysis and ability to achieve safe shutdown have not been compromised.

Yours truly,

L. F. Dale
Manager of Nuclear Services

RFP/JGC/JDR:lm

cc: Mr. N. L. Stampley
Mr. G. B. Taylor
Mr. R. B. McGehee
Mr. T. B. Conner

Mr. Richard C. DeYoung, Director
Office of Inspection & Enforcement
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Mr. J. P. O'Reilly, Regional Administrator
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