



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39215-1640

January 28, 1986

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-29
File: 0260/17015
Response to Request for
Additional Information on
Steam Condensing Mode
Reference: AECM-85/0287
AECM-86/0012

In a letter dated June 11, 1985, the NRC Staff requested additional information in order to complete its review of possible condensation oscillation loads from "chugging" as a result of steam and noncondensable gases being vented to the suppression pool through the Residual Heat Removal (RHR) relief valve discharge line. The purpose of this letter is to provide you with a status of MP&L's activities in this matter.

Mississippi Power & Light Company (MP&L) responded in a letter dated September 13, 1985 (Reference) that a study had been initiated to consider two alternatives: 1) conduct tests with instrumentation on the discharge line to gather plant specific data with regard to "chugging", or 2) reroute the noncondensable vent line directly to the suppression pool thereby avoiding the critical mass flux rates in the RHR relief valve discharge line.

The study has since been completed. MP&L has decided to reject the first alternative since it appears to involve a protracted testing and data analysis effort. Additionally the data may contain uncertainties that would require very conservative interpretation and application of resulting loads.

The implementation of dedicated lines from the RHR heat exchanger noncondensable vents to the suppression pool appears to be the preferred resolution and MP&L is now considering it for inclusion in the GGNS Annual Operating Plan.

8602040259 860128
PDR ADOCK 05000416
P PDR

ES (LIAW)
PSB (L. HULMAN)
ETCSB (SRINIVASAN)
RSH (ACTING)
FOR (VASSALLO)
AD - G. LATNAS (LTR ONLY)

ADDI

3021
1/0

Please contact me should you have any further questions concerning this issue.

Yours truly,



L. F. Dale
Director

TWS/GWS/SHH:dmm

cc: Mr. O. D. Kingsley, Jr.
Mr. T. H. Cloninger
Mr. R. B. McGehee
Mr. N. S. Reynolds
Mr. H. L. Thomas
Mr. R. C. Butcher

Mr. James M. Taylor, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. J. Nelson Grace, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta St., N. W., Suite 2900
Atlanta, Georgia 30323