



# MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

November 18, 1982

NUCLEAR PRODUCTION DEPARTMENT

U. S. Nuclear Regulatory Commission  
Office of 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 0260/0272/L-860.0  
Humphrey Containment  
Concerns, Questions Raised  
by NRC Consultants  
Reference Letter Number  
AECM-82/353 from Mr. L. F.  
Dale to Mr. H. R. Denton  
AECM-82/540

Mississippi Power & Light Company (MP&L) committed to respond to two concerns which were raised during a telephone conference on October 1 in which MP&L personnel, members of your staff and your staff's consultants participated. These concerns were raised during discussions of the Humphrey Containment Concerns. This letter is intended to state our understanding of the concerns, outline our approach to resolution, and define the schedule for final results submittal.

The first concern relates to the possible effects of upper pool dump on main steam safety relief valve (SRV) loads. The main steam SRV lines enter the suppression pool at an angle. Consequently, the additional five feet of submergence produced by upper pool dump may actually increase the length of submerged SRV discharge line by as much as eight feet. Although this change should not adversely effect the air clearing loads, it may change the SRV piping thrust loads.

MP&L intends to address this concern by completing an analysis to quantify any changes in SRV piping thrust loads which may result from additional SRV discharge line submergence following upper pool dump. The results from this analysis will be submitted to the NRC in late December.

3001

The second concern relates to possible changes in SRV loads due to location of an SRV quencher under the TIP platform. MP&L intends to address this concern by using an acoustic model to predict the effects of the encroachment on load definition. The acoustic model which will be used was

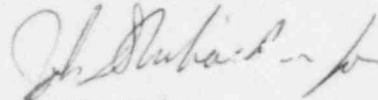
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## MISSISSIPPI POWER &amp; LIGHT COMPANY

described under Action Plan 35 in reference 1. The results from this analysis will be submitted to the NRC in late December.

Yours truly,



L. F. Dale  
Manage Nuclear Services

RAW/SHH/JDR:sap

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

Mr. Richard C. DeYoung, Director  
Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
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