



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

June 12, 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 0270/5007/M-001.0
Variable Pool Swell Response
Spectra, Clarification on
Methodology
AECM-82/285

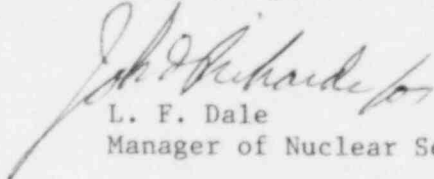
The meetings held between Mississippi Power & Light (MP&L) and Equipment Qualification Branch (EQB) on June 2 and 7, 1982, resulted in an acceptable approach for evaluating the local effects of pool swell on the HCU floor.

The MP&L letter, AECM-82/272, dated June 11, 1982, documents the principal agreements of those meetings. This letter provides certain clarification on the methodology agreed upon at those meetings to be employed in responding to NRC requests.

The variable pool swell impact acceleration response spectra (ARS) that are developed for qualification of the HCU units will be conservatively amplified by 25% based on the response spectra transmitted by the above referenced MP&L letter. Only the variable pool swell ARS for HCU unit qualification will be amplified by 25% because other hydrodynamic loads (i.e., vent clearing, condensation oscillation, and chugging) are not affected by recent changes in pool swell impact methodology and assumptions. Variable pool swell impact ARS that are developed for final design qualification of piping, equipment, and components throughout the containment will not be amplified.

Please advise if additional information is required.

Yours truly,


L. F. Dale
Manager of Nuclear Services

JGC/JDR/jgt
cc: (See Next Page)

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A PDR

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Boo!

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cc: Mr. N. L. Stampley (w/o)
Mr. R. B. McGehee (w/o)
Mr. T. B. Conner (w/o)
Mr. G. B. Taylor (w/o)

Mr. Richard C. DeYoung, Director (w/o)
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. J. P. O'Reilly, Regional Administrator (w/a)
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region II
101 Marietta St., N.W., Suite 3100
Atlanta, Georgia 30303