



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

FEB 14 1980

Docket Nos. 50-416
and 50-417

Mr. N. L. Stampley, Vice President
Production and Engineering
Mississippi Power and Light Company
P. O. Box 1640
Jackson, Mississippi 39205

Dear Mr. Stampley:

SUBJECT: CONFIRMATORY PIPING ANALYSIS BY NRC CONSULTANT FOR GRAND GULF
NUCLEAR STATION

Recently, the Mechanical Engineering Branch (MEB) has instituted a program of performing an independent confirmatory piping analysis for each plant undergoing operating license review. For Grand Gulf, this analysis will be performed by our contract personnel at Pacific Northwest Laboratory (PNL). The purpose of this independent analysis will be to verify that the subject piping system meets the applicable ASME Code stress criteria. We do not intend to resolve differences between our calculated stresses and those of your designer, unless unusually large discrepancies are found or unless Code criteria are not met.

This program will allow MEB to verify on a sampling basis that your designer has correctly modeled his piping, has correctly used his computer codes, and has adequately accounted for the piping's as-built condition.

We will require certain information in order to proceed with our analysis. Upon receipt of this information, PNL will evaluate it to determine if additional information or clarification are required. We have chosen for our Grand Gulf analysis the #16 SRV Discharge Line. You should submit two copies of the following information:

1. piping layout and isometric drawings sufficient to model the system
2. support drawings with support and hanger spring rates
3. the piping design specification
4. valve weights and CG's

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Mr. N. L. Stampley

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5. appropriate response spectra
6. appropriate anchor point movements
7. any design change notices not yet incorporated into the piping or support drawings (Later DCN's should be forwarded as received).

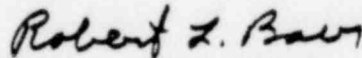
We will analyze this line for the upset condition (N + OBE + SRV). In this respect, the applicant should include in his submittal the suppression pool drag loads and dynamic load factors necessary to analyze the submerged portions of the line.

One copy of the above information should be submitted to this address, Attention: T. C. Houghton, and one copy should be sent to:

Merv Bampton
Pacific Northwest Laboratory
Richland Boulevard
Richland, Washington 99351

As our analysis proceeds, we will also require the applicant to provide certain of its analytical results for comparative purposes, such as the ASME Code required Design Reports.

Sincerely,



Robert L. Baer, Chief
Light Water Reactors Branch No. 2
Division of Project Management

ccs: See next page

Mr. N. L. Stampley

Mr. N. L. Stampley
Vice President - Production
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ccs: Mr. Robert B. McGehee, Attorney
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Mr. Adrian Zaccaria, Project Engineer
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