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 AUTH. NAME: SOBON, L. J. AUTHOR AFFILIATION: General Electric Co.
 RECIPIENT NAME: KNIGHT, J. P. RECIPIENT AFFILIATION: Assistant Director for Engineering

SUBJECT: Forwards "Critique of BNL Review Methods & Criteria for Dynamic Combinations in Piping Sys," in response to NRC 791226 request.

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MFN-025-80

January 29, 1980

U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Division of Systems Safety
Washington, DC 20555

Attention: J. P. Knight
Assistant Director for Engineering

Gentlemen:

SUBJECT: SQUARE ROOT SUM OF THE SQUARES (SRSS)

Reference: Letter from R. J. Bosnak to Dr. H. Chau, dated December 26, 1979

The dynamic load combination methodology being used for piping and equipment evaluations in Mark II and III BWR's has been under discussion with the NRC for sometime. In addition the NRC has retained the Brookhaven National Laboratory (BNL) to assist in its generic studies on response combination methodology. The reference letter transmitted a copy of the draft final report entitled "Brookhaven National Laboratory Review of Methods and Criteria for Dynamic Combinations in Piping Systems." The letter also indicated that the NRC would entertain a critique by Dr. Kennedy on this draft report and make it a physical part of the final BNL report provided that critique was received before January 31, 1980. The purpose of this letter transmits seventy (70) copies of a critique of the draft final report prepared by Dr. Kennedy for the Mark II Owners and General Electric. Should there be revisions to the BNL report draft that was transmitted via the December 26, 1979 reference letter, it would be appropriate to discuss them with Dr. Kennedy and the Mark II Owners to ensure that the critique incorporated in the final report addresses the material as actually presented.

The reference letter indicated that a staff position applicable to response combination methods for Mark II mechanical systems will be issued as soon as the review of Mark II plant specific information

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recently submitted to BNL has been completed. Considering the importance of a position for Mark II as well as for generic BWR application, the extensive documentation of supporting studies and justification should produce a favorable and timely NRC position.

Sincerely,


L. J. Sobon, Manager
BWR Containment Licensing
Containment Improvement Programs

LJS:ggo/110-111

cc: R. J. Bosnak, NRC
C. Anderson, NRC
F. Hanauer, NRC
R. Mattson, NRC
L. F. Gifford, GE Bethesda

