



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

AUG 08 1979

MEMORANDUM FOR: L. C. Shao, Acting Assistant Director
for Engineering Programs
Division of Operating Reactors

FROM: V. S. Noonan, Chief
Engineering Branch
Division of Operating Reactors

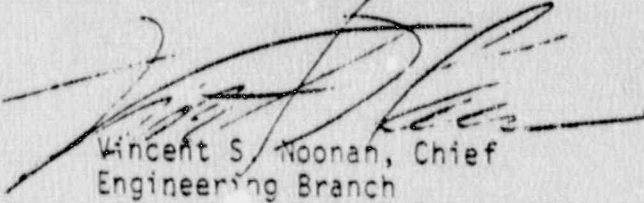
SUBJECT: ADDITIONAL CRITERIA FOR EVALUATING OPERABILITY
OF SEISMIC DESIGN PIPING SUPPORTS RELATING TO
IEB 79-02 AND 79-14

Re: Memo from E. L. Jordan, Assistant Director for Technical Programs,
IE, to Region RO&NSB Chiefs, dated July 16, 1979.

We believe the referenced memo, discussing criteria for evaluating pipe support operability relating to IEB 79-02 and 79-14, requires some additional discussion and acceptance criteria. The memo discusses pipe support design margins of four or five. However, these margins are only intended for the concrete expansion anchor bolts, per IEB 79-02, and are not required for the remaining components of the overall support. Generally, codes to which pipe supports are designed do not have such high margins built into their acceptance criteria for extreme loading conditions, such as an SSE. Therefore, we suggest the following additions to the memo:

1. For interim operation, the anchor bolts must have a minimum factor of safety to ultimate of 2.
2. All other support components must either have a factor of safety of 2 to ultimate, or meet the requirements of F-1370 of Appendix F of Section III of the ASME Code.

The criteria of Appendix F allows for a factor of safety less than 2 against ultimate strengths and may provide some relief for operation during an interim period while reanalysis and evaluation continues.


Vincent S. Noonan, Chief
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