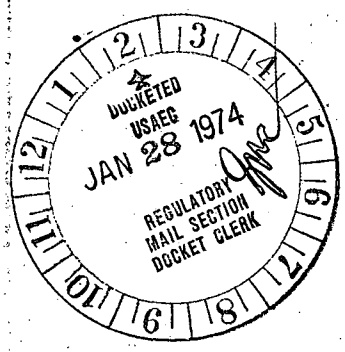


TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE
37401

TVA 40TH ANNIVERSARY OF PEOPLE IN PARTNERSHIP

January 25, 1974

50-327/328
50-390/391

Mr. A. Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
Office of Regulation
United States Atomic Energy Commission
Washington, DC 20545

Dear Mr. Giambusso:

Personnel from the Tennessee Valley Authority met with members of your staff in Bethesda, Maryland, on October 19, 1973. At that meeting, TVA received for comment an informal copy of the AEC Document B - Structural Design Criteria for Evaluating the Effects of High-Energy Pipe Breaks on Category I Structures Outside the Containment. We have the following comments:

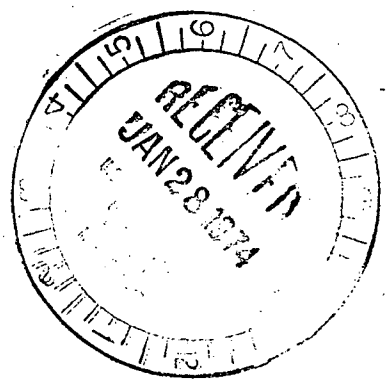
1. Load combinations D.1(a)(2) and (3) use the same required steel strength. We do not think it is reasonable to use the same steel allowable stress for both Feqo and Feqs.

2. The combination of loading effects which must be considered seems unreasonable. We do not feel that the maximum values of P_a, T_a, R_a, Y_j, Y_r, and Y_m, including appropriate dynamic factors, should be used in the load combinations since the maximum values do not occur simultaneously. We do not agree that a time-history analysis is always necessary in order to use less than peak values.

3. We are not in complete agreement with the AEC position concerning load combinations that include earthquake and pipe rupture loads simultaneously. We feel that probability factors should be considered in determining the applicable loads that occur simultaneously.

Very truly yours,

J. E. Gilleland
Assistant to the Manager of Power



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