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November 29, 1982

Mr. Harold R. Denton, Director
 Office of Nuclear Reactor Regulation
 U.S. Nuclear Regulatory Commission
 Washington, DC 20555

Subject: Zion Station Units 1 and 2
 Seismic Qualification of
 Auxiliary Feedwater Systems
NRC Docket Nos. 50-295 and 50-304

- References (a): July 12, 1982, letter from
 F. G. Lentine to H. R. Denton.
- (b): January 6, 1982, letter from
 S. A. Varga to L. O. DelGeorge.
- (c): July 14, 1981, letter from
 T. R. Tramm to H. R. Denton.
- (d): February 10, 1981, letter from
 D. G. Eisenhut to All Operating
 PWR Licensees.

Dear Mr. Denton:

This is to provide clarification to the information regarding the seismic design of Zion Station's auxiliary feedwater systems provided in reference (a). The following information is provided regarding seismic inputs of Branch Piping to the auxiliary feedwater system.

At Zion Station, Auxiliary Feedwater Branch Piping is modeled with the run pipe when the ratio of the moment of inertia of run pipe to branch pipe is equal to or less than 7 to 1. When the ratio exceeds 7 to 1, the dynamic input of the branch pipe is not considered. The dynamic input to the pipe stress calculations for the branch piping is coded to the nearest anchor point or to the last restraint of the three pairs of one-way restraints with each pair orientated in one of the three orthogonal directions.

The above criteria is currently utilized for all I.E. Bulletin 79-14 work as documented in Stone and Webster Procedure ZPP-1, Zion Station Units 1 and 2 Pipe Stress and Support Evaluation Rev. 10, dated November 9, 1982.

Please address questions regarding this matter to this office.

Very truly yours,

F. G. Lentine

F. G. Lentine

Nuclear Licensing Administrator

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