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May 28, 1981  
EF2 - 53,336

Mr. L. L. Kintner  
U.S. Nuclear Regulatory Commission  
7920 Norfolk  
Bethesda, Maryland 20014

Reference: Enrico Fermi Atomic Power Plant - Unit 2

Subject: Site Specific Earthquake - Structural Reassessment

Dear Mr. Kintner:

This is in response to the request for additional information from your Structural Engineering Branch which was telecopied to us on May 27, 1981.

The Seismic Category I structures and buried pipes and conduits have been structurally reassessed for the effect of the site specific earthquake.

In reference to LOCA stresses, the pertinent information on original load combinations and respective stress components, including those due to LOCA, have been presented in Chapter 4 and in Appendices thereto of the reassessment report.

The three components of the earthquake have been considered in the reassessment report. Two horizontal components have been considered to be acting simultaneously and the vertical component has been added thereto as an absolute sum or SRSS as appropriate.

Damping value of 7% has been considered in the reassessment work. The damping value used is in accordance with Reg. Guide 1.61, since the Seismic Category I structures are of reinforced concrete construction and the structural elements are highly stressed for the site specific earthquake loading.

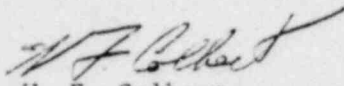
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We have not had to use the as-built strengths of structures in justifying the adequacy of Seismic Category I structures and buried pipes and conduits as reassessed.

Yours truly,

  
W. F. Colbert  
Technical Director  
Enrico Fermi - Unit 2

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