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JAN 14 1980

MEMORANDUM FOR: C. R. Stahle, Project Manager  
Light Water Reactor Branch #4  
Division of Project Management

FROM: Frank Rinaldi,  
Structural Engineering Branch  
Division of Systems Safety

SUBJECT: SEQUOYAH NPP - SEB COMMENTS ON TVA RESPONSE TO  
GEOSCIENCES BRANCH QUESTIONS DATED DECEMBER 17, 1979

We have reviewed TVA's response to the Geosciences Branch questions 362.14 thru 362.16, dated December 19, 1979. We find the program proposed by the applicant generally acceptable. However, we like to identify some specific comments on question 362.14, as follows:

1. The work identified in item (2.a) should use the g-value related to the site specific spectra (84% seismic-spectra) utilized during the recent seismic re-evaluation effort.
2. The applicant should consider and address the potential and effects of differential settlement and possible domino-effect failure of the piles in the evaluation of the work identified in item (2.b).
3. Provide the evaluation that justified your statement in item (2.d) concerning "negligible settlement" for the condition where you consider these structures supported on soil without the pile system.
4. Clarify the difference between item (3) and item (2.a).
5. We expect that item 4 needs to be executed in its entirety to make any portion of it effective in the justification of the adequacy of these in-place pile systems.

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