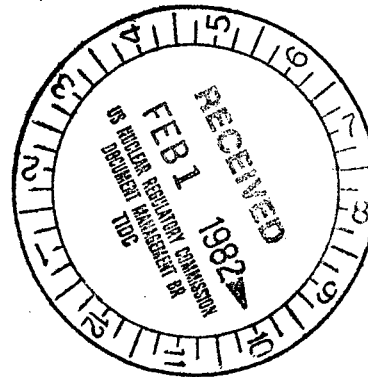


JAN 28 1982

Docket Nos.: 50-390/391



Mr. H. G. Parris  
Manager of Power  
Tennessee Valley Authority  
500A Chestnut Street, Tower II  
Chattanooga, Tennessee 37401

Dear Mr. Parris:

Subject: Evaluation of Liquefaction Potential of Soils Beneath the ERCW  
Pipelines and Electrical Conduit

During October 1, 1981, and November 19, 1981 meetings, your staff proposed the use of a modified empirical approach to analyze the potential for liquefaction of the soils beneath the ERCW pipelines and Class 1E electrical conduits. The basis of this modified approach is contained in a recently published paper entitled, "Evaluation of Liquefaction Potential of Sand Deposits Based on Observations of Performance in Previous Earthquakes," by H. B. Seed and I. M. Idriss. Enclosed is a copy of the meeting minutes for the November 19, 1981, meeting.

Informal communication with your staff since the meeting has indicated that it is TVA's intent to continue using this approach in evaluating the liquefaction potential of these soils. If you intend to pursue this line of action, please promptly answer our concerns as listed in the enclosed meeting minutes.

We request you formally state your intent regarding the criterion you intend to apply in evaluating the liquefaction potential beneath the ERCW pipelines and the Class 1E electrical conduit at the Watts Bar Nuclear Plant along with your proposed schedule for evaluation and any required field remedial measures. Please submit this information no later than February 28, 1982.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

OFFICE							
SURNAME							
DATE							
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	PDR ADOCK	05000390					
	A	PDR					

Mr. H. G. Parris

- 2 -

If you have any questions concerning this matter, please contact the project manager, T. J. Kenyon, at (301) 492-7266.

Sincerely,

Original signed by  
Robert L. Tedesco

Robert L. Tedesco, Assistant Director  
for Licensing  
Division of Licensing

Enclosure:  
As stated

cc: See next page

\*SEE PREVIOUS WHITE

OFFICE	DL:LB#4	LA:DL:LB#4	DL:LB#4	AD:L/DL	AD:DOE		
SURNAME	*TKenyon:eb	*MDuncan	EAdensam	RTedesco	JKnight		
DATE	*1/20/82	*1/20/82	1/ /82	1/ /82	1/ /82		

Mr. H. G. Parris

- 2 -

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If you have any questions concerning this matter, please contact the project manager, T. J. Kenyon, at (301) 492-7266.

Sincerely,

Robert L. Tedesco, Assistant Director  
for Licensing  
Division of Licensing

Enclosure:  
As stated

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SURNAME	TKenyon:eb	MDuncan	EAdensam	RTedesco	JKnight		
DATE	1/12/82	1/20/82	1/21/82	1/26/82	1/26/82		