

MAR 25 1982

Docket Nos: 50-390
and 50-391

APPLICANT: Tennessee Valley Authority
FACILITY: Watts Bar Nuclear Plant, Units 1 and 2
SUBJECT: SUMMARY OF TELECON REGARDING FEBRUARY 9, 1982, INTERIM
REPORT ON LIQUEFACTION POTENTIAL BENEATH ERCW PIPELINES
AND CLASS IE ELECTRICAL CONDUIT AT THE WATTS BAR NUCLEAR
PLANT

On March 10, 1982, a telecon was held among members of the NRC, TVA, and Woodward-Clyde consultants regarding the February 9, 1982, interim report on the liquefaction potential beneath the ERCW pipelines and Class IE electrical conduit at the Watts Bar Nuclear Plant. Participants are listed in Enclosure (1). During the telecon, the NRC expressed concern over TVA's assumption that the Safe Shutdown Earthquake is defined with a peak acceleration of 0.18g (maximum horizontal acceleration) at the ground level instead of the rock level.

TVA's reply was that, in their engineering judgement, the net result of convoluting a 30 foot soil column from top of rock (assuming the 0.18g SSE) to top of ground would result in an unrealistic top of ground motion of approximately 0.6g and that TVA believed the assumption of 0.18g at the surface was valid.

At the close of the telecon, the NRC staff reiterated its position that TVA has not presented sufficient justification for the use of the Safe Shutdown Earthquake value of 0.18g at the surface. TVA suggested that a meeting be set up to discuss TVA's justification of their evaluation of the soils beneath the ERCW pipelines and Class IE electrical conduit. They further requested the NRC staff review their forthcoming submittal of the dynamic triaxial test results prior to the meeting.

Thomas J. Kenyon, Project Manager
Licensing Branch No. 4
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DATE	3/12/82	3/22/82	3/23/82				

WATTS BAR

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James P. O'Reilly, Regional Administrator
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PARTICIPANTS IN MARCH 10, 1982

TELECON ON LIQUEFACTION AT WATTS BAR

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R. Barker	TVA
V. Bianco	TVA
D. Kulisek	TVA
C. Y. Chang	WCC
E. Idriss	WCC
T. J. Kenyon	NRC
L. Heller	NRC
R. Rothman	NRC
D. Gupter	NRC

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MEETING SUMMARY DISTRIBUTION

Docket File 50-390
NRC/PDR
Local PDR
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D. Eisenhut
R. Purple
B. J. Youngblood
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J. Miller
G. Lainas
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J. P. Knight
R. Bosnak
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OIE (3)
ACRS (16)
R. Tedesco

NRC Participants:

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L. Heller
R. Rothman
D. Gupter

bcc: Applicant & Service List

G. Lear
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W. Haass
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R. Ballard
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P. Check
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S. Hanauer
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