

Docket Nos: 50-390
and 50-391

SEP 16 1982

MEMORANDUM FOR: Elinor G. Adensam, Chief
Licensing Branch No. 4
Division of Licensing

FROM: T. J. Kenyon, Project Manager
Licensing Branch No. 4
Division of Licensing

SUBJECT: FORTHCOMING MEETING WITH TVA TO REVIEW GEOTECHNICAL
ENGINEERING INFORMATION REGARDING THE WATTS BAR NUCLEAR
PLANT, UNITS 1 AND 2

DATE & TIME: September 22 and 23, 1982 (as necessary)
8:30 a.m. - 4:00 p.m.

LOCATION: TVA Engineering Offices
Knoxville, Tennessee

PURPOSE: To perform an audit of geotechnical engineering documents to
confirm conclusions reached during licensing review of the
Watts Bar Plant, Units 1 and 2. Documents to be reviewed
are listed in Enclosure (1).

PARTICIPANTS: NRC
T. J. Kenyon
D. Gupta
L. Heller

TVA
D. Ormsby, et al

Thomas J. Kenyon, Project Manager
Licensing Branch No. 4
Division of Licensing

Enclosure:
As stated

cc: See next page

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PDR ADCK 05000390
A PDR

OFFICE	DL:LB/#4	DL:LB.#4					
SURNAME	T.J. Kenyon/hmc	E Adensam					
DATE	9/17/82	9/17/82					

WATTS BAR

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Mr. J. F. Cox
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Resident Inspector/Watts Bar NPS
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Commission
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Mr. David Ormsby
Tennessee Valley Authority
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James P. O'Reilly, Regional Administrator
U.S. Nuclear Regulatory Commission,
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

ENCLOSURE (1)
Items to be Discussed
at June 30- July 1, 1982 Meeting

<u>Review Issue</u>	<u>Documents to be Reviewed</u>
Sheetpile Wall Stability for Overturning & Sliding	Detailed calculations including description of procedure, assumptions, input data used in the design, ground water table, results of available laboratory soil data, and conclusions. Justification for assumptions and resulting factors of safety.
Damping for SSI Analyses	Soil Material Damping and Geometric Damping for various modes of vibration, computer outputs for SSI, input parameters, justification for assumptions, conclusions.
Settlement Criterion (50-55e item)	Design for accommodating differential settlement between adjacent rock supported structures and along buried piping and electrical components in soil, design details, calculations, assumptions, computer outputs, conclusions
Remaining questions on the seismic analysis of buried pipes	Input parameters, justification for soil properties, detailed calculations, summary of results and conclusions.

Review Topic

Cyclic Load Tests
on Silty Sands

Field sampling equipment. Soil Sampling. Handling and Transportation of samples. Tests to verify state of sample disturbance. Laboratory equipment. Laboratory handling procedures and results. Consolidation sequence, methods and results. Original soil test records of cyclic stress, strain, and pore pressure versus time. Monotonic tests and results (if available) on silty sands.

Undocketed studies
of Soil Amplification

Programs used, input motion assumptions, damping assumption, etc.

MEETING NOTICE DISTRIBUTION

Docket File 50-390/391

NRC PDR

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TIC

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LB #4 r/f

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SEP 16 1982

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bcc: Applicant & Service List