

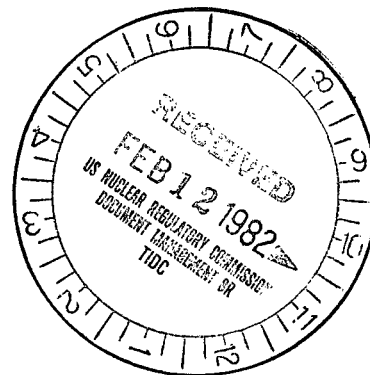
TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

February 9, 1982

Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20555



Dear Ms. Adensam:

In the Matter of the Application of) Docket Nos. 50-390
Tennessee Valley Authority) 50-391

Enclosed for NRC review are two copies of the TVA report "Liquefaction of the ERCW Pipeline Route" dated February 8, 1982 for Watts Bar Nuclear Plant. Forty additional copies will be provided under separate cover for normal NRC distribution. This report contains the following information.

1. A description of the method used to evaluate the liquefaction potential
2. The results of the liquefaction evaluation
3. The conclusions drawn from the evaluation
4. A description of the piezometers installed to determine ground water level
5. The design ground water level used in the evaluation and its basis
6. A summary of the redrilling work done along the pipeline route
7. A description of the test pits
8. A description of the cone penetration work done off the pipeline route

This is an interim report. Additional work related to the evaluation is presently underway and will be provided as it becomes available. If the NRC staff believes a meeting is necessary to discuss this report, we suggest a date of either February 25 or March 4, 1982.

If you have any questions concerning this matter, please get in touch with D. P. Ormsby at FTS 858-2682.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills
L. M. Mills, Manager

Nuclear Regulation and Safety

Sworn to and subscribed before me
this 9th day of Feb. 1982

Bryant M. Lowery
Notary Public

My Commission Expires 4/4/82

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Enclosure (2)
cc: See page 2

Director of Nuclear Reactor Regulation

February 9, 1982

cc: U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303