

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

August 11, 1983

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

Dear Ms. Adensam:

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

In recent weeks several conference calls have been held between NRC and TVA representatives concerning liquefaction potential of the soils beneath the Essential Raw Cooling Water (ERCW) pipeline and Class 1E electrical conduit at the Watts Bar Nuclear Plant (WBN). With respect to this issue, the NRC recommended that a seismically induced settlement of six percent be used to evaluate the structural adequacy of the pipeline and conduit. In order that this issue may not impact WBN unit 1 fuel loading, TVA is performing the necessary analyses to evaluate the effects of a six percent settlement and proceeding to implement the resulting required remedial actions. Preliminary analyses have indicated that remedial actions will be required only for the conduit bank.

If you have any questions concerning this matter, please get in touch with D. B. Ellis at FTS 858-2681.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills
L. M. Mills, Manager
Nuclear Licensing

Sworn to and subscribed before me
this ____ day of _____ 1983

Notary Public
My Commission Expires _____

cc: U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

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PDR ADOCK 05000390
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