

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

April 2, 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

In my letter to you dated March 1, 1982, TVA provided information concerning differential settlement at Watts Bar Nuclear Plant. It was specified in the enclosure to that letter that design differential settlement between rock-supported structures had not been incorporated into the design of piping and electrical components passing between adjacent rock-supported structures. The following design criteria were developed based on past and projected future settlement performance of these structures.

The design differential settlement is 0.50 inches for utilities installed in 1977 and prior, and 0.25 inches for utilities installed in 1982 and later. The intervening dates are interpolated to yield the following values:

<u>Year Installed</u>	<u>Design Differential Settlement</u>
1977 & Prior	0.50 inches
1978	0.45 inches
1979	0.40 inches
1980	0.35 inches
1981	0.30 inches
1982 & Later	0.25 inches

Boo/s
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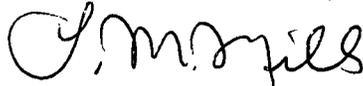
Director of Nuclear Reactor Regulation

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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, Manager
Nuclear Regulation and Safety

Sworn to and subscribed before me
this 2nd day of April 1982.

Paulette H. White
Notary Public

My Commission Expires 9-5-84