

March 19, 1992

Docket Nos. 50-390  
and 50-391

Senior Vice President, Nuclear Power  
Tennessee Valley Authority  
3B Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

Dear Sir:

SUBJECT: WATTS BAR NUCLEAR PLANT - REVIEW OF FSAR SECTION 2.5,  
AMENDMENT NO. 54-63 (TAC M77061 and R00514)

We have reviewed amendments 54 through 63 to the Watts Bar FSAR Section 2.5, and your response to our request for additional information (RAI) dated July 9, 1991. We understand that the information contained in Amendment 63 on this section addresses the information need stated in Section 3.3.10 (Special Program on Soil Liquefaction) of NUREG-1232, Volume 4, "Safety Evaluation Report on TVA: Watts Bar Nuclear Performance Plan". Details of our review will be published in Section 2.5 of the upcoming SSER 9.

We find that the changes made to the subject FSAR sections are generally acceptable, except for one open item regarding the stability analysis of underground barriers for the essential raw cooling water (ERCW) pipes. There is a similar open item concerning the stability analysis of the intake channel slopes included in Section 2.5.2 of the Civil Calculations Program audit report issued to TVA on January 31, 1992 (TAC R00514). We will treat these two open items as a single technical issue under TAC R00514, since similar technical considerations govern both items.

This completes our review efforts on Section 2.5, as revised up to Amendment 63. This review was performed by Mr. R. Pichumani.

Sincerely,

Original signed by

Peter S. Tam, Senior Project Manager  
Project Directorate II-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

cc: See next page

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cc:

Mr. Marvin Runyon, Chairman  
Tennessee Valley Authority  
ET 12A  
400 West Summit Hill Drive  
Knoxville, Tennessee 37902

Mr. John B. Waters, Director  
Tennessee Valley Authority  
ET 12A  
400 West Summit Hill Drive  
Knoxville, Tennessee 37902

Mr. W. H. Kennoy, Director  
Tennessee Valley Authority  
ET 12A  
400 West Summit Hill Drive  
Knoxville, Tennessee 37902

Mr. W. F. Willis  
Senior Executive Officer  
ET 12B  
400 West Summit Hill Drive  
Knoxville, Tennessee 37902

General Counsel  
Tennessee Valley Authority  
ET 11H  
400 West Summit Hill Drive  
Knoxville, Tennessee 37902

Mr. Dwight Nunn  
Vice President, Nuclear Projects  
Tennessee Valley Authority  
3B Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

Dr. Mark O. Medford  
Vice President, Nuclear Assurance,  
Licensing and Fuels  
Tennessee Valley Authority  
3B Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

Mr. Mark J. Burzynski  
Manager, Nuclear Licensing  
and Regulatory Affairs  
Tennessee Valley Authority  
5B Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

Mr. John H. Garrity, Site Vice President  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
P. O. Box 800  
Spring City, Tennessee 37381

Mr. George L. Pannell  
Site Licensing Manager  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
P. O. Box 800  
Spring City, Tennessee 37381

Mr. H. H. Weber, Manager  
Engineering Modifications  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
P. O. Box 800  
Spring City, Tennessee 37381

Honorable Robert Aikman, County Judge  
Rhea County Courthouse  
Dayton, Tennessee 37322

Honorable Johnny Powell, County Judge  
Meigs County Courthouse, Route 2  
Decatur, Tennessee 37322

Mr. Michael H. Mobley, Director  
Division of Radiological Health  
T.E.R.R.A. Building 6th Floor  
150 9th Avenue North  
Nashville, Tennessee 37219-5404

Regional Administrator, Region II  
U. S. Nuclear Regulatory Commission  
101 Marietta Street, N. W.  
Atlanta, Georgia 30323

Senior Resident Inspector  
Watts Bar Nuclear Plant  
U. S. Nuclear Regulatory Commission  
Route 2, Box 700  
Spring City, Tennessee 37381

Tennessee Valley Authority  
Rockville Office  
11921 Rockville Pike  
Suite 402  
Rockville, Maryland 20852

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