

January 26, 1993

Docket Nos. 50-390
and 50-391

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

Dear Dr. Medford:

SUBJECT: WATTS BAR NUCLEAR PLANT - STABILITY ANALYSIS OF THE UNDERGROUND
BARRIERS FOR THE ESSENTIAL RAW COOLING WATER PIPELINES
(TAC R00514)

By letter dated December 18, 1992, the staff provided TVA with a supplement to an audit report, thus closing an issue regarding stability analysis of the intake channel slopes. The staff's December 18, 1992 letter approved TVA's analysis which showed a factor of safety greater than 1.0 for the intake channel slopes under the simultaneous application of the horizontal and vertical components of the amplified seismic accelerations.

It is the staff's position that a similar analysis is also needed for the ERCW underground barriers, consistent with the guidance of Standard Review Plan, Sections 2.5.2, "Seismology", 2.5.5, "Stability of Slopes", and 3.7.1, "Seismic Design Parameters".

We will discuss with your site licensing staff, during the next licensing status meeting, an acceptable target date for this analysis. This requirement affects 9 or fewer respondents and, therefore, is not subject to Office of Management and Budget review under P.L. 96-511.

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

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