



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

OCT 7 1992

Docket

Docket No. 50-390

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 UNIT 1 - SPECIAL PROGRAM ON MODERATE ENERGY LINE BREAK
FLOODING (TAC M63595)

In Section 3.3.8 of NUREG-1232, Volume 4, "Safety Evaluation Report on Tennessee Valley Authority: Watts Bar Nuclear Performance Plan", we stated that TVA committed to perform a moderate energy line break (MELB) flooding analysis. We also stated that we will provide an evaluation of that analysis in a supplement to the Watts Bar licensing SER, NUREG-0847.

By letter dated June 30, 1992, TVA submitted the information to address the MELB flooding, including proposed FSAR changes. With that letter, TVA included a detailed flooding analysis for a specific plant area as an example of the implementation of the methodology used to perform the flooding analysis for the entire plant. The flood protection is basically provided by design features supported by engineering evaluations. The inadequate documentation problem discussed in NUREG-1232, Volume 4 was related to the TVA engineering analyses not being comprehensively documented in all cases for the MELB flooding analysis. TVA's June 30, 1992 letter serves to verify previous design work, and provides the necessary documentation that demonstrates adequate plant design against MELB flooding events.

We have reviewed TVA's June 30, 1992 submittal regarding flooding effects from MELBs outside containment, and determined that the results have confirmed our original evaluation, as put forth in the Watts Bar SER Sections 3.6.1 and 9.3.3. TVA's analysis was performed in accordance with Standard Review Plan Section 3.6.1, and is, therefore, acceptable. Thus, the evaluation and conclusion in the SER on this subject are still valid.

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Dr. Mark O Medford

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The purpose of this letter is to communicate our review result of TVA's letter. Pending TVA's submittal of revised FSAR pages in accordance with the draft pages, we will consider the review complete on the MELB flooding special program. This review was performed by Mr. W. Lefave.

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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Watts Bar Nuclear Plant

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