

April 18, 1995

Mr. Oliver D. Kingsley, Jr.  
President, TVA Nuclear and  
Chief Nuclear Officer  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

SUBJECT: WATTS BAR UNIT 1, SMALL-BREAK LOSS-OF-COOLANT ACCIDENT ANALYSIS  
(TAC M89427)

Dear Mr. Kingsley:

By letter dated February 16, 1995, Tennessee Valley Authority (TVA) submitted a revised analyses for a small-break loss-of-coolant accident (SBLOCA) and other postulated events at Watts Bar Nuclear Plant Unit 1. The SBLOCA reanalysis was necessary as a result of changes to the emergency core cooling system model, causing the peak cladding temperature to change by more than 50°F for the limiting accident transient.

The staff finds TVA's reanalysis, and associated proposed changes to the Final Safety Analysis Report (FSAR) acceptable. Details of the staff's review will be published in Supplement 15 to the Safety Evaluation Report (NUREG-0847). Meanwhile, please proceed with the submission of the draft FSAR page changes in final form.

Sincerely,

Original signed by  
Peter S. Tam, Senior Project Manager  
Project Directorate II-3  
Division of Reactor Projects I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-390

cc: See next page

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Mr. Oliver D. Kingsley, Jr.  
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**WATTS BAR NUCLEAR PLANT**

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