

November 9, 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 - REVISED CORE OPERATING LIMITS REPORT FOR CYCLE 1  
(TAC NO. M93904)

Dear Mr. Kingsley:

By letter dated September 20, 1993, I transmitted the staff's safety evaluation of the Core Operating Limits Report (COLR) for Watts Bar Unit 1, Cycle 1. By letter dated October 12, 1995, Tennessee Valley Authority (TVA) submitted a revised COLR. The revised COLR includes: (1) new numbering of sections to reflect those in the Unit 1 Technical Specifications, (2) correction of a typographical error, and (3) adoption of the INCORE computer code (INCORE 3D, Version 7.4.2) for determination of the specific burnup values of the factor  $W(Z)$  used in the determination of heat flux hot channel factor,  $F_q(Z)$ .

The staff has reviewed the submittal and found it acceptable since Items (1) and (2) are administrative in nature, and Item (3) is a calculational procedure using an NRC-approved methodology (WCAP-10216-P-A) to determine the specific burnup values of the factor  $W(Z)$  for  $F_q(Z)$  determination. Details are set forth in the enclosed safety evaluation. This completes the staff's effort.

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

Enclosure: Safety Evaluation  
cc w/enclosure: See next page

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