



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

April 28, 1988

Docket Nos. 50-390/391

Mr. Oliver D. Kingsley, Jr.  
Senior Vice President, Nuclear Power  
Tennessee Valley Authority  
6N 38A Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

Dear Mr. Kingsley:

SUBJECT: WATTS BAR NUCLEAR PLANT DETAILED CONTROL ROOM DESIGN REVIEW  
(TAC NO. 63655)

The Tennessee Valley Authority (TVA) submitted to NRC a Detailed Control Room Design Review (DCRDR) Summary Report for the Watts Bar Nuclear Plant (WBN), Units 1 and 2, on October 2, 1987. During the period of November 11 through 18, 1988, NRC staff and consultants conducted an on-site pre-implementation audit of the WBN DCRDR.

The NRC staff Safety Evaluation (SE) of the WBN DCRDR is enclosed. Attached to the SE is the Technical Evaluation Report of the DCRDR prepared by our consultant, Science Applications International Corporation.

TVA is requested to provide the NRC with a supplemental DCRDR summary report which addresses the issues discussed in Sections 2.2, 2.3, 2.5, 2.7 and 2.8 of the enclosed SE.

Further, we note that TVA plans to correct all Human Engineering Discrepancies (HEDs) for WBN Unit 1 and common systems prior to the initial fuel load of Unit 1. We request that TVA inform NRC in writing of any changes in this commitment, including sufficient justification for delays in implementation beyond the initial fuel load date.

The staff has also reviewed your letter dated March 7, 1989 concerning your request that the Watts Bar SER, Appendix D commitments be superseded by the WBN DCRDR summary report. The staff's position on this matter is that TVA must be able to demonstrate how each of these commitments has been satisfied. This position was also relayed to TVA during our audit in November 1988.

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If you have any questions concerning the above, please contact Raj Auluck at 301-492-0759.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original signed by

Suzanne C. Black, Assistant Director  
for Projects  
TVA Projects Division  
Office of Nuclear Reactor Regulation

Enclosure:  
Safety Evaluation

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Mr. Oliver D. Kingsley, Jr.

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cc:

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Dr. Henry Myers, Science Advisor  
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