



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

Docket

April 27, 1987

Docket Nos.: 50-390
and 50-391

Mr. S. A. White
Manager of Nuclear Power
Tennessee Valley Authority
6N 38A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Mr. White:

SUBJECT: AUDIT REPORT ON VERIFICATION AND VALIDATION PLAN FOR THE
EAGLE 21 SYSTEM UTILIZATION

Re: Watts Bar Nuclear Plant, Units 1 and 2

The staff's first audit of the verification and validation (V&V) plan for the Eagle 21 system utilization at the Watts Bar Nuclear Plant, Units 1 and 2 was conducted on January 15 and 16, 1987. The final results from this audit are provided as Enclosure 1. Also attached are a list of attendees (Enclosure 2) and the final results of the Sohar review of this audit (Enclosure 3).

Based on the staff's first audit of the design process and of the V&V activities for the Eagle 21 system, the staff concludes that it is generally acceptable for TVA and Westinghouse to continue the design, manufacture, and installation of this system and to execute the V&V plan. However, the acceptance of this portion of the RTD Bypass modification review is conditional on TVA 1) confirming that the V&V plan has been executed as described, 2) verifying that independence was present during the formal design verification phase, and 3) either classifying all software residing within the Eagle 21 main frame as Class 1E software or providing acceptable justification for this software being classified as Non-Class 1E. The staff's review of these items will be conducted during the next audit.

The staff's audit resulted in the review and evaluation of proprietary documents on the Eagle 21 system. As a precaution, we recommend TVA and Westinghouse review the attached reports for proprietary material. Unless you notify this office, by telephone, within 10 days of the date of this letter, and submit a written application to withhold the information contained therein within 30 days, in accordance with 10 CFR 2.790(a), a copy of this letter and the enclosed information will be placed in the NRC Public Document room. Such application must be consistent with the requirements of 10 CFR 2.790(b)(1). If we do not

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Mr. S. A. White

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hear from you in this regard within the specified periods noted above, this information will be made available to the public and placed in the Public Document Room.

If you have any questions concerning this matter, contact the Watts Bar Project Manager, R. Auluck, at (301)492-8337.

Sincerely,

~~Original signed by:~~

John A. Zwolinski, Assistant Director
for Projects
Division of TVA Projects
Office of Special Projects

Enclosures: As stated

cc: See next page

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Mr. S. A. White
Tennessee Valley Authority

Watts Bar Nuclear Plant

cc:

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