



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381

AUG 12 1994

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Gentlemen:

In the Matter of the Application of) Docket No. 50-390
Tennessee Valley Authority)

WATTS BAR NUCLEAR PLANT (WBN) UNIT 1 - ELECTROMAGNETIC INTERFERENCE/RADIO
FREQUENCY INTERFERENCE (EMI/RFI) SURVEY REPORT FOR EAGLE-21 PROCESS
PROTECTION SYSTEM (TAC M81063)

This letter submits a report titled "Analysis for EMI/RFI Mapping of Auxiliary Electric Equipment Room for Tennessee Valley Authority's Watts Bar Nuclear Plant Unit 1." The report was prepared by Westinghouse Electric Corporation to document site survey data that characterizes the EMI/RFI environment in the vicinity of the Eagle-21 process protection system at WBN Unit 1. The report also compares the survey measurements to factory test results to demonstrate that EMI/RFI at WBN Unit 1 does not adversely affect operation of the Eagle-21 equipment.

TVA originally described plans for a comprehensive program to evaluate the effects of EMI/RFI when the first four Eagle-21 cabinets were installed at WBN in 1989. As the initial part of this program, TVA submitted Westinghouse topical report WCAP-11733 in a letter dated March 24, 1989, to present the results of Eagle-21 factory testing for EMI/RFI. More recently, TVA committed to evaluate the plant-specific EMI/RFI conditions at WBN in letters dated December 27, 1993, and May 23, 1994. The enclosed report provides this evaluation.

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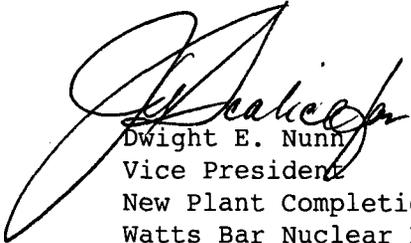
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If you have any questions about the information provided in this letter,
please telephone John Vorees at (615) 365-8819.

Sincerely,



Dwight E. Nunn
Vice President
New Plant Completion
Watts Bar Nuclear Plant

Enclosure

cc (Enclosure):

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