

**TENNESSEE VALLEY AUTHORITY**

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

**AUG 29 1988**

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

Gentlemen:

In the Matter of the Application of ) Docket Nos. 50-390  
Tennessee Valley Authority ) 50-391

**WATTS BAR NUCLEAR PLANT (WBN) - VIOLATION 50-390/87-11-02, PART 3**

As committed in our letter to you dated May 4, 1988, TVA has completed the evaluation of the nine additional conductors not properly shown on the as-constructed connection diagrams that were identified during the field survey of unit 1 safety-related auxiliary instrument room panels. The field survey was conducted by comparing the as-built configuration of the conductors inside the panels with the as-constructed connection diagrams. This as-constructed drawing deficiency was documented on Condition Adverse to Quality Report (CAQR) WBP 870157.

TVA's evaluation of the nine conductors has determined that each is a spare conductor that is not required to be terminated. As specified in CAQR WBP 870157, corrective action for these nine spare conductors requires revision of the applicable as-constructed connection diagrams to reflect the as-built configuration. Corrective action for the nine conductors is scheduled to be complete by June 8, 1989.

As previously identified in TVA's letter dated October 16, 1987, design output documents other than the as-constructed connection diagrams are used for cable raceway loading calculations. Therefore, spare conductors not properly shown on as-constructed connection diagrams have no impact on the safety or quality of the plant. Since several thousand conductors are installed in the safety-related auxiliary instrument room panels, the nine conductors represent a very small percentage of the conductors surveyed. Therefore, assurance is provided that this deficiency is not a widespread problem.

The enclosure provides the commitment identified in this letter. If there are any questions, please telephone G. R. Ashley at (615) 365-8527.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*W. J. Ray Jr.*  
R. Gridley, Manager  
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Enclosure  
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**U.S. Nuclear Regulatory Commission**

**cc (Enclosure)**

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**U.S. Nuclear Regulatory Commission  
Watts Bar Resident Inspector  
P.O. Box 700  
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**ENCLOSURE**

**LIST OF COMMITMENTS**

**Revise the applicable connection diagrams to reflect the as-built configuration of the nine spare conductors in the safety-related auxiliary instrument room panels identified in CAQR WBP 870157.**