

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

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JUN 25 1987

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

Gentlemen:

WATTS BAR NUCLEAR PLANT (WBN) - UNITS 1 AND 2 - SUPPLEMENTAL RESPONSE TO VIOLATION - 50-390/86-18-01 AND 50-391/86-18-01 - ASCO SOLENOID VALVE INSTALLATION

Enclosed is our supplemental response to Violation 390, 391/86-18-01 (Section A, Item 1) as committed to in our transmittal dated November 26, 1986.

If there are any questions, please telephone R. D. Schulz at (615) 365-8527.

To the best of my knowledge, I declare the statements contained herein are complete and true.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

J. A. Domer

J. A. Domer, Assistant Director
Nuclear Safety and Licensing

Enclosure

cc: See page 2

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cc (Enclosure):

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ENCLOSURE
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
SUPPLEMENTAL RESPONSE TO NRC REGION II LETTER
FROM G. G. ZECH TO S. A. WHITE DATED OCTOBER 28, 1987

Violation 390/86-18-01; 391/86-18-01

- A. 10 CFR 50, Appendix B, Criterion III, as implemented by TVA's QA Topical Report, TVA-TR-75-1A, Revision 8, paragraphs 17.1.3 and 17.2.3, requires that measures be established and implemented to ensure that regulatory and design bases requirements are correctly translated into specifications, drawings, procedures, and instructions.
1. Contrary to the above, the Automatic Switch Company (ASCO) Solenoid Valves Manual NP-1 requirements to orient solenoid valves, model 206-381, vertical and upright, were not translated into installation instructions. This failure resulted in installed equipment not meeting vendor requirements.
 2. Contrary to the above, seismic requirements of IEEE 344-1975, which requires the effects of electrical connections, conduit, and sensing lines, etc., be considered were not translated into installation instructions. This failure resulted in installed equipment, as referenced in Construction Deficiency Report (CDR) WBRD 50-390/86-59, not meeting regulatory requirements.

This a Severity Level IV Violation (Supplement II) and applies to units 1 and 2.

SUPPLEMENTAL RESPONSE

1. Admission or Denial of the Alleged Violation (Section A, Item 1)

TVA admits that a violation has occurred as stated in the original response to these violations on ASCO solenoid valve installation.

2. Reason for the Violation (Section A, Item 1)

This violation occurred for the following reasons:

- a. Procedures for installation and inspection did not provide acceptance criteria for solenoid valve orientation.
- b. Solenoid valve orientation is not currently specified on the vendor drawing for the control valve assembly.

If any further reasons for this violation are determined, due to the walkdown of 1E solenoid valves at WBN unit 1 and common, TVA will submit a revised response.

3. Corrective Actions Taken and Results Achieved (Section A, Item 1)

Nonconformance Report W-415-P was initiated to document this deficiency. Also, Significant Condition Reports WBNMEB8715 RO (WBN U1) and WBNMEB8716 RO (WBN U2) have been initiated.