

**TENNESSEE VALLEY AUTHORITY**

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

March 25, 1982

WBRD-50-390/81-100

WBRD-50-391/81-94

U.S. Nuclear Regulatory Commission  
Region II

Attn: Mr. James P. O'Reilly, Regional Administrator  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303



Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - INCORRECT PIPE SUPPORT DESIGN BY  
EDS - WBRD-50-390/81-100, WBRD-50-391/81-94 - SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. Butcher on November 19, 1981 in accordance with 10 CFR 50.55(e) as NCR CEB 8117. An interim report was submitted on December 21, 1981. Enclosed is our second interim report. We expect to submit our next report by October 10, 1982. We consider 10 CFR 21 applicable to this deficiency.

If you have any questions, please get in touch with R. H. Shell at FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager  
Nuclear Regulation and Safety

Enclosure

cc: Mr. Richard C. DeYoung, Director (Enclosure)  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

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ENCLOSURE  
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2  
INCORRECT PIPE SUPPORT DESIGN BY EDS  
NCR WBN CEB 8117  
WBRD-50-390/81-100, WBRD-50-391/81-94  
10 CFR 50.55(e)  
SECOND INTERIM REPORT

Description of Deficiency

The support drawings listed in EDS Nuclear, Incorporated's, Atlanta, Georgia, letter 0060-300-115 dated December 2, 1981, contain design deficiencies that will require correcting. These deficiencies concern the design of pipe supports which are not in agreement with the requirements of the computer stress analysis for the subject supports.

The apparent assignable cause is that the designer (EDS) failed to review the isometric model and computer output thoroughly.

Interim Progress

TVA is in the process of modifying the subject support designs to agree with the requirements of the computer stress analysis. TVA expects to complete the design changes for both units by September 30, 1982.

TVA has instructed EDS to be more thorough in their review of isometric models and analysis results before initiating support designs.