

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

October 6, 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:

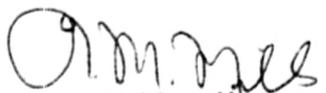
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - INCORRECT PIPE SUPPORT DESIGN BY
EDS - WBRD-50-390/81-100, WBRD-50-391/81-94 - THIRD INTERIM REPORT

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. Interim reports were submitted on December 21, 1981 and March 25, 1982. Enclosed is our third interim report. We expect to submit our next report on or about March 18, 1983. 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 Licensing

Enclosure

cc: Mr. Richard C. DeYoung, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 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)
THIRD INTERIM REPORT

Description of Deficiency

Support 1-63-121 was designed incorrectly by EDS Nuclear, Incorporated (EDS). This pipe support was analyzed as a lateral snubber in accordance with EDS analysis problem 0600200-09-04 R2 instead of as a rigid lateral support as designed. Thirteen other support design deficiencies were identified by EDS letter 0060-300-11S dated December 2, 1981. These support design deficiencies are of similar nature to the above.

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

Interim Progress

Support 1-63-121 has been redesigned to agree with the requirements of the computer stress analysis. TVA is modifying the remaining deficient support designs (i.e., those for unit 2) under ECN 3267. More information will be forwarded upon completion of this remaining design work.

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