TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

USNRC REGION II
ATLANTA, GEORGIA

June 1, 1982

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WEBD-50-390/82-46
WEBD-50-391/82-43

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 - MISSPECIFICATION OF SEISMIC DISPLACEMENTS FOR STEAM GENERATORS - WEBD-50-390/82-46, WEBD-50-391/82-43 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector F. Long on April 30, 1982 in accordance with 10 CFR 50.55(e) as NCR WBN CEB 8208. Enclosed is our first interim report. We expect to submit our next report by August 23, 1982.

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
MISSPECIFICATION OF SEISMIC DISPLACEMENTS FOR
STEAM GENERATORS
10 CFR 50.55(e)
NCR WBN CEB 8208
WBRD-50-390/82-46, WBRD-50-391/82-43
FIRST INTERIM REPORT

Description of Deficiency

Nonconservative seismic response spectra for steam generator No. 1 were used in main feedwater problem 0600200-02-01. A reanalysis will be done to determine the final effect on the pipe.

Thermal and seismic displacements for the steam generator nozzle on main feedwater problem 0600200-02-03 (for steam generator No. 3) were incorrectly used in the analysis because TVA incorrectly transformed the Westinghouse coordinate system to the TVA coordinate system.

These problems were discovered for unit 1, but the effects will be considered for both units.

Interim Progress

Problem 0600200-02-03 has been reanalyzed and is being issued for further design review. There is no overstressing of the piping or of the nozzle, but some significant changes occur in the support loads.

New spectra are being digitized for problem 0600200-02-01. A reanalysis will be performed as soon as the new spectra are obtained.