TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

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May 21, 1982

WBRD-50-390/82-41
WBRD-50-391/82-38

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 - DIGITIZED RESPONSE SPECTRA DATA USE - WBRD-50-390/82-41, WBRD-50-391/82-38 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on April 22, 1982 in accordance with 10 CFR 50.55(e) as NCR WBN CEB 8205. Enclosed is our first interim report. We expect to submit our next report by October 25, 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 Licensing

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
DIGITIZED RESPONSE SPECTRA DATA USE
NCR WBN CEB 8205
WBRD-50-390/82-41, WBRD-50-391/82-38
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Digitized seismic response spectra data used to qualify safety-related piping which attaches to the reactor coolant loop (branch lines) was found to be used improperly. This deficiency involved the use of previously superseded data for the reanalysis of these components with respect only to the seismic portion of the analysis.

The incorrect utilization of seismic spectra was discovered during a design-data review.

Interim Progress

Analysis problems for piping branch lines attached to the reactor coolant loop are being evaluated to determine if superseded seismic response spectra data was used. Where significant discrepancies are identified, a reanalysis of specific problems will be performed.