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

February 7, 1983

WBRD-50-390/82-88
WBRD-50-391/82-84

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 - CONTROL OF CIVIL ENGINEERING SUPPORT BRANCH ANALYSIS CALCULATIONS - WBRD-50-390/82-88, WBRD-50-391/82-84 - SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector D. Quick on August 23, 1982 in accordance with 10 CFR 50.55(e) as NCR WBN CEB 8222. Our first interim report was submitted on September 22, 1982. Enclosed is our second report. Please note that this nonconformance will in the future be reported with NCR WBN CEB 8211 due to their similar nature. We expect to submit a combined report for these nonconformances on or about June 30, 1983.

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

8302150051 830207
PDR ADOCK 05000390
S PDR

OFFICIAL COPY

IE 27

An Equal Opportunity Employer

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
CONTROL OF CIVIL ENGINEERING SUPPORT BRANCH ANALYSIS CALCULATIONS
NCR WBN CEB 8222
WBRD-50-390/82-88, WBRD-50-391/82-84
10 CFR 50.55(e)
SECOND INTERIM REPORT

Description of Deficiency

Certain piping analysis calculations have not been documented according to the requirements of TVA's Division of Engineering Design Engineering Procedure 3.03. EN DES-EP 3.03 requires that design calculations be prepared, checked, placed in a volume, and sent to document storage. 10 CFR 50 Appendix B Criterion III requires verification or checking the adequacy of design. Since these calculations (approximately 30 in all) have not been properly documented, they are now unretrievable for verification or determination whether the appropriate checking has been performed.

Additionally, flange calculations were omitted from some piping analysis calculation packages.

Interim Progress

TVA is continuing its review of piping analysis calculation packages to ensure that they are properly documented to meet the requirements of EN DES-EP 3.03. The calculation packages are also being reviewed to ensure that flange calculations are incorporated where warranted. Much of this review work is associated with the efforts being performed under NCR WBN CEB 8211; therefore, the resolution of the subject deficiencies will be addressed in our next report for NCR WBN CEB 8211.

At the present time, no work has been identified which would require field rework.