TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

USNRC REGION II ATLANTA, GEORGIA 82 JUN 21 A 9:1

June 18, 1982

WBRD-50-390/82-53
WBRD-50-391/82-50

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 - OMISSION OF SOME MOVEMENTS IN INPUT TO EVALUATE PIPE INTERFERENCES - WBRD-50-390/82-53, WBRD-50-391/82-50 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on May 19, 1982 in accordance with 10 CFR 50.55(e) as NCR WBN CEB 8212. Enclosed is our first interim report. We expect to submit our next report by February 4, 1983.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

D S Kammer

for 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
OMISSION OF SOME MOVEMENTS IN INPUT TO EVALUATE PIPE INTERFERENCES
NCR WBN CEB 8212
WBRD-50-390/82-53, WBRD-50-391/82-50
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Construction Specification N3C-912 does not contain clearly defined instructions for interpreting ECN 3304. ECN 3304 furnishes TVA's Division of Construction (CONST) with thermal and seismic pipe movement data to be used for evaluating pipe interferences identified during plant construction and/or through the IE bulletin 79-14 inspection.

Specifically, isometric drawing 47W464-316 R1, issued under ECN 3304, does not incorporate the contribution of anchor point movements, caused by a design basis accident (DBA), to piping that penetrates, or is attached to, the steel containment vessel. Additional piping, included on several other isometrics which are outside the scope of ECN 3304, may experience significant thermal anchor point movements caused by equipment and/or steel containment vessel movements during a DBA.

The deficiency was discovered during a review of ECN 3304.

Interim Progress

Construction Specifications N3C-912 is currently being revised. The new revision will contain clearly defined instruction for interpreting maximum movements of the piping, including instructions for the application of DBA and large thermal anchor point movements. Upon completion of this revision, TVA will reevaluate the criteria used for analysis of piping interferences and its impact on work previously performed.