

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
1630 Chestnut Street Tower II

84 DEC 10 P 27
December 7, 1984
WBRD-50-390/84-51

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Dear Mr. O'Reilly:

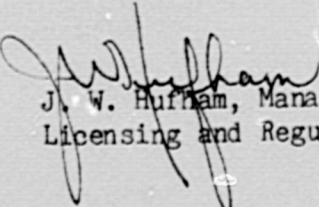
WATTS BAR NUCLEAR PLANT UNIT 1 - INSULATION NOT CONSIDERED IN ANALYSIS OF
1-INCH BORATION LINE - WBRD-50-390/84-51 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on November 14, 1984 in accordance with 10 CFR 50.55(e)
as NCR WBN CEB 8422. Enclosed is our first interim report. We expect to
submit our next report on or about January 18, 1985.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY


J. W. Huffman, Manager
Licensing and Regulations

Enclosure
cc (Enclosure):

Mr. Richard C. DeYoung, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Records Center
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNIT 1
INSULATION NOT CONSIDERED IN ANALYSIS OF 1-INCH BORATION LINE
NCR WBN CEB 8422
WBRD-50-390/84-51
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

On TVA piping analysis problem N3-62-3A for Watts Bar Nuclear Plant (WBN), the mass of the insulation/heat tracing (I/HT) which is required for a section of 1-inch alternate boration piping was not considered. This deficiency occurred only for that section of 1-inch schedule 40 piping from joints AA1 to A18 as shown on TVA drawing 47W406-200. The I/HT doubles the mass of the affected piping, and therefore, invalidates the seismic qualification of the piping since it was not considered in the analysis.

Interim Progress

TVA is in the process of reanalyzing analysis problem N3-62-3A. The affected supports will be modified or redesigned as necessary to qualify the piping.

TVA will provide more information on this item in the next report.