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

USNRC REGION II
ATLANTA, GEORGIA
83 SEP 16 P1:48

September 16, 1983

WBRD-50-390/82-89
WBRD-50-391/82-85

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - INCORRECT INSULATION WEIGHTS USED IN PIPING ANALYSIS - WBRD-50-390/82-89, WBRD-50-391/82-85 - THIRD INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector D. Quick on August 25, 1982 in accordance with 10 CFR 50.55(e) as NCR WBN CEB 8223. Related NCR WBN SWP 8247 was subsequently determined to be reportable. Interim reports for both NCRs were submitted on September 24, 1982 and April 25, 1983. Enclosed is our third interim report. We expect to submit our next report on or about December 21, 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

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

8309200340 830916
PDR ADOCK 05000390
S PDR

OFFICIAL COPY

IE 27
41

An Equal Opportunity Employer

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
INCORRECT INSULATION WEIGHTS USED IN PIPING ANALYSIS
NCRs WBN CEB 8223 AND WBN SWP 8247
WBRD-50-390/82-89, WBRD-50-391/82-85
10 CFR 50.55(e)
THIRD INTERIM REPORT

Description of Deficiency

Certain piping analysis problems had incorrect insulation weights applied to them and/or the insulation data that was used is not quality assurance verified (i.e., not QA documented).

Interim Progress

TVA has issued engineering change notice (ECN) 3620 to prepare insulation drawings (i.e., QA documents) to substantiate insulation data for use in rigorously analyzed piping problems. All rigorously analyzed piping drawings have been issued and this data is being compared to data used in existing piping analysis problems to identify inadequacies. All issued drawings are also being compared to the as-built configuration as part of the piping walkdown required by NRC IE Bulletin No. 79-14 see NCR WBN SWP 8248 (WBRD-50-390/82-100). The comparative effort is 34-percent complete and no reanalysis or support load changes are presently required.