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ATLANTA, GEORGIA
TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

August 19, 1983

WBRD-50-390/83-06

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:

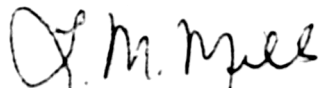
WATTS BAR NUCLEAR PLANT UNIT 1 - SUPPORTS NOT DESIGNED OR MODIFIED AS
REQUIRED BY ECN 2576 - WBRD-50-390/83-06 - THIRD INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. Fredrickson on January 18, 1983 in accordance with 10 CFR 50.55(e) as
NCR WBN SWP 8301 R1. Interim reports were submitted on February 16 and
June 6, 1983. Enclosed is our third interim report. We expect to submit
our next report on or about October 19, 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

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNIT 1
SUPPORTS NOT DESIGNED OR MODIFIED AS REQUIRED BY
ENGINEERING CHANGE NOTICE (ECN) 2576
NCR WBN SWP 8301 R1
WBRD-50-390/83-06
10 CFR 50.55(e)
THIRD INTERIM REPORT

Description of Deficiency

During the independent review of the auxiliary feedwater system performed by Black and Veatch, the reviewers identified twenty-one instances where approved design drawings did not agree with the revised piping analysis as required by engineering change notice (ECN) 2576. These discrepancies include: location plans on support drawings which do not agree with analysis isometrics; designed supports differing with the type supports required by the piping analysis; and new supports added by the analysis not being incorporated into the final design.

Interim Progress

Because of the general concern about the incorporation of the results of rigorous analyses into appropriate support designs, TVA is reviewing all support designs for rigorously analyzed piping against the requirements of current analysis documentation, and has opened ECN 4080 to incorporate any required corrections into the plant's design.

To prevent a recurrence of this deficiency, "scoping" reviews are being upgraded to formal calculation packages requiring appropriate documentation. This upgrading and the formal documentation requirements are being incorporated into Watts Bar Project (WBP) Engineering Procedure (EP) 43.14.