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

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March 5, 1985

WBRD-50-390/85-01

U.S. Nuclear Regulatory Commission
Region II
Attn: Dr. J. Nelson Grace, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Dear Dr. Grace:

WATTS BAR NUCLEAR PLANT UNIT 1 - CORROSION ON REACTOR PRESSURE VESSEL FLANGE AND HEAD O-RING GROOVES - WBRD-50-390/85-01 - SUPPLEMENTAL FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector A. Ignatonis on November 20, 1984 in accordance with 10 CFR 50.55(e) as NCR W-206-P. Our final report was submittd on January 7, 1985. Enclosed is our supplemental final report. We consider 10 CFR Part 21 applicable to this deficiency, which we inadvertently omitted from our previous submittal.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

J. A. Kome

for G. W. Hufham, 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
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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNIT 1
CORROSION ON REACTOR PRESSURE VESSEL FLANGE AND HEAD O-RING GROOVES
NCR W-206-P
WBRD-50-390/85-01
10 CFR 50.55(e)
SUPPLEMENTAL FINAL REPORT

Supplemental Information

The final report on the subject deficiency indicated that "The depth of individual pits within the crevice corrosion was found to vary from less than 0.001 to 0.004 inch, but was 0.012 inch at one pit." However, the detailed process of cleaning and inspection of the corrosion areas revealed the depth of the individual pits to vary from less than 0.001 to 0.017 inch.

All pits which were deeper than Westinghouse's established criteria have now been completed as described in the final report. The corrosion was removed by hand-grinding followed by weld repairs of the clad scaling surface using an approved procedure. Precision grinding of the weld bead was performed to restore the surfaces to TVA's and Westinghouse's acceptance criteria. All work was performed under TVA's quality control program.