

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

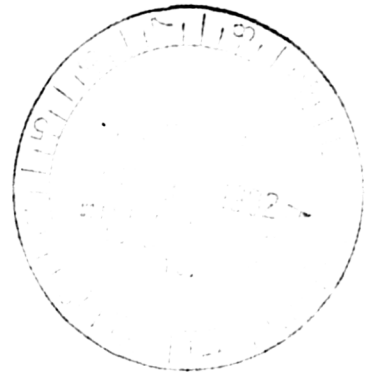
January 28, 1982

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WBRD-50-390/82-12

WBRD-50-391/82-12

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303



Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - PROCEDURAL CONTROLS ON BREAKING AND
REBOLTING FLANGED CONNECTIONS - WBRD-50-390/82-12, WBRD-50-391/82-12 -
FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on December 24, 1981 in accordance with 10 CFR 50.55(e)
as NCR 3810R. Enclosed is our final report. The submittal date of this
report was discussed with Inspector R. V. Crlenjak on January 25, 1982.

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

L. M. Mills, Manager
Nuclear Regulation and Safety

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
PROCEDURAL CONTROLS ON BREAKING AND REBOLTING FLANGED CONNECTIONS
WBRD-50-390/82-12, WBRD-50-391/82-12
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

This deficiency involves TVA's QA procedure for breaking and rebolting of flanged connections. This item occurred because of procedural deficiencies in WBNP-QCP-4.10, Appendix B, with addenda. These deficiencies were as follows:

1. Reworking of a flanged joint was not considered to require ANI involvement.
2. Documentation status for flanged joint was not specified to be kept current when the flange was unbolted.
3. Reverification of materials removed from a flanged joint was not required.
4. Requirements for unbolting and rebolting were generally unclear.

Safety Implications

Improper rebolting may result in failure of bolts which secure safety-related systems, thus adversely affecting the safe operation of the plant.

Corrective Action

Stop work order SW-14 was issued December 15, 1981. WBNP-QCP-4.10, Appendix B, with addenda was replaced by new procedure WBNP-QCP-1.42-1 which covers the areas deficient in the original procedure. Personnel have been trained in the new procedure and inspectors certified. SW-14 was lifted December 23, 1981.

Issuance of QCP-1.42-1 and initial training of personnel in its use has been completed. These actions should prevent any recurrence.

Deficiencies in previous documentation are being addressed as the N-5 form is prepared for each system. This N-5 form is a necessary summation of inspection and installation documentation for piping systems covered under the ASME code. Flanged joints with incomplete or incorrect documentation will be inspected and reworked if required using WBNP-QCP-1.42-1. All necessary modifications will be completed by fuel loading of respective units.