

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA COUNTY, TENNESSEE 37401

400 Chestnut Street Tower II

January 26, 1981

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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 - NRC-OIE LETTER RII:NE
50-390/80-32, 50-391/80-25 - REVISED RESPONSES TO INFRACTIONS

The subject inspection report dated November 25, 1980, cited TVA with two infractions. An interim report in response to this inspection report was submitted on December 18, 1980. Enclosed is additional information. We expect to provide a final report by March 4, 1981.

If you have any questions, please get in touch with D. L. Lambert at
FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

cc: Mr. Victor Stello, 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
ACCEPTANCE OF UNDERSIZE SOCKET FILLET WELDS ON REINSPECTION
SECOND INTERIM REPORT

Infraction 50-390/80-32-02; 50-391/80-25-02

As required by Criterion V of Appendix B to 10CFR50, and implemented by FSAR, paragraph 17.1A.5, "Activities affecting quality shall be accomplished in accordance with instructions, procedures, or drawings." Watts Bar Condition Adverse to Quality Report M-41 (December 27, 1979) and subsequent NCR's 2086, 2101, and 2111 provide for the inspection, repair, and documentation of previously accepted safety-related socket fillet welds which did not meet specified size requirements.

Contrary to the above, on October 22, 1980, certain socket fillet welds 3/4" by 0.218" in the chemical volume control system shown on sketch No. 406-1, sheets 22 R/2 and 38 R/2, had been inspected and signed off as acceptable when the fillet size did not meet minimum specification/code requirements.

Interim Progress

We completed the reinspection of the welds on approximately 130 sketches involving Schedule 40, 80, and 160 pipe. Approximately 78 of these sketches involve Schedule 160 pipe. Of these, all Schedule 40 and 80 were good. We are evaluating the results of the Schedule 160 pipe reinspection (which is the schedule of pipe identified by the NRC inspector) to determine the effectiveness of the fillet weld reinspection program.

We will reinspect all Schedule 160 welds previously done. All deficient welds which are identified will be repaired by adding weld metal as appropriate.

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
FAILURE TO ACHIEVE IMPLEMENTATION OF CORRECTIVE ACTION
"DETAIL WELD PROCEDURE IN WORK AREAS"
FINAL REPORT

INFRACTION 50-390/80-32-03; 50-391/80-25-03

As required by Criterion XVI of Appendix B to 10CFR50 and implemented by FSAR, Section 17, paragraph 17.1A.16, conditions adverse to quality are identified, documented, their cause determined, and corrective actions taken to preclude their repetition. TVA's response to the Notice of Violation 390/80-14-01 dated July 10, 1980, described corrective actions which provided for copies of detail welding procedures to be available to welders "in the work areas." Further, it stated that full compliance had been achieved as of July 10, 1980.

Contrary to the above, on October 23, 1980, the inspector determined by observation and interviews that full compliance had not been achieved as the specified corrective actions had not been fully implemented.

Corrective Action Taken and Results Achieved

TVA's response to the Notice of Violation 390/80-14-01 did not agree with site procedure WBNP-QCI-4.3. The infraction response stated that weld procedures would be available in the work area, while our Quality Control Instruction (QCI) stated that the procedure would be available at the craft supervisor's work station.

TVA will make the welding procedures available to all welding crafts employees in their work areas. This will be accomplished by issuing copies of the Welding Procedures Manual to the craft supervisors for use by all craft employees in their working area. These copies will be issued to and controlled by craft supervisors.

Action Taken to Prevent Recurrence

We are reviewing our responses to inspection reports to ensure that the stated corrective action is being implemented.

Date of Full Compliance

We anticipate that the Welding Procedures Manual will be issued by February 23, 1981. We will be in full compliance on that date.