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

July 31 1979

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 REGION II LETTER RII:EHG 50-390/79-25, 50-391/79-21 - INSPECTION REPORT - RESPONSE TO INFRACTION

The subject letter dated July 10, 1979, cited TVA with one infraction in accordance with 10 CFR 2.201. Enclosed is our response to that infraction.

If you have any questions concerning this matter, please get in touch with D. L. Lambert at FTS 854-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills by RRL

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure
cc: Mr. Victor Stello, Jr., 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

INFRACTION 390/79-25-01 AND 391/79-21-01

As required by Criterion V of appendix B to 10 CFR 50 and as implemented by FSAR paragraph 17.1A.5, "Activities affecting quality shall be prescribed by documented instructions, procedures. . .and shall be accomplished in accordance with these instructions, procedures. . . ." Process Specification 4.M.2.1(c) requires penetrant inspection of alignment bead welds and documentation of the size of the groove or bead for these welds.

Contrary to the above, on May 30, 1979, the penetrant inspections and documentation of the size of the groove or bead had not been performed for alignment bead welds identified as 1-072A-D063-08A and 2-087A-D017-01A.

CORRECTIVE ACTION TAKEN AND RESULTS ACHIEVED

Liquid penetrant examination and documentation of weld size have been performed on alignment bead weld No. 1-072A-D063-08A in compliance with General Construction G-29M, Process Specification 4.M.2.1.(d). Nonconformance Report No. 1650R has been initiated for this alignment bead weld.

Weld No. 2-087A-0017-01A of the subject alignment bead has since been cut out due to field installation problems.

This problem was previously identified by site QA audit WB-M-79-06 deficiency No. 2. The proposed corrective action for alignment beads is being implemented by reviewing operation sheets to determine whether all nondestructive examination has been performed as required by procedure WBNP-QCP-4.10 Rev. 17, Appendix M, and General Construction Specification G-29M, Process Specification 4.M.2.1.(d). As welds are identified where the required NDE has not been performed, nonconformance reports are being initiated for applicable alignment bead welds and reinspected to procedural requirements.

ACTION TAKEN TO PREVENT RECURRENCE

Procedure WBNP-QCP-4.10, Appendix M, currently covers groove size, NDE requirements, and location of bead weld requiring a groove. Appendix M will be revised to provide engineering control of the number of passes, length of pass, width of bead, and placement of all alignment beads.

The procedure will require the following steps:

1. Engineering will review with the craft foremen the request for use of an alignment bead.

2. The bead length, placement, and width will be determined and marked on the component using a centerpunch.

3. After placement of the alignment bead, engineering will inspect the bead and determine the need for additional beads.

4. The bead will be ground smooth and NDE performed as required by Appendix M.

Craft and engineering employees involved in this activity will be reinstructed to the revised requirements of WBNP-QCP-4.10, Appendix M, and to the requirements of General Construction Specification G-29M, Process Specification 4.M.2.1.(d), "Specification for Bending or Alignment of Pipe and Tubing."

DATE OF FULL COMPLIANCE

Full compliance will be achieved August 21, 1979.