

APPENDIX A

NOTICE OF VIOLATION

Tennessee Valley Authority  
Watts Bar

License Nos. CPPR-91  
CPPR-92

Based on the NRC inspection June 30 - July 3, 1980, certain of your activities were apparently not conducted in full compliance with NRC requirements as indicated below. These items have been categorized as described in correspondence to you dated December 31, 1974.

- A. As required by Criterion V of Appendix B to 10 CFR 50 and implemented by FSAR, Paragraph 17.1A.5, "Activities affecting quality shall be prescribed by documented instructions, procedures or drawings of a type appropriate to the circumstances and shall be accomplished in accordance with these instructions, procedures or drawings." Watts Bar Radiographic Process Instruction 3.M.3.1(b) paragraph 13.1.4(b) states: "The maximum pore dimension shall be 20 percent of T or 1/8 inch, whichever is less, except that an isolated pore separated from an adjacent pore by a minimum of 1 inch may be 30 percent of T or 1/2 inch, whichever is less."

Contrary to the above, for weld joint #2-074A-D027-06A which had a pipe wall thickness of .322" the radiographic film reviewer classified a 5/32" indication between film station 0-1 and a 7/32" indication between film station 2-3 as porosity and accepted both indications.

This is a deficiency, and applies to License No. CPPR-92 only.

- B. As required by Criterion V of Appendix B to 10 CFR 50 and implemented by FSAR, Paragraph 17.1a.5, "Activities affecting quality shall be prescribed by documented instructions, procedures, or drawings of a type appropriate to the circumstances and shall be accomplished in accordance with these instructions, procedures, or drawings. TVA's General Construction Specification G29M, R12, Process Instruction 1.M.1.2(b), Paragraph 14.4 requires the area where temporary attachments have been removed to be examined.

Contrary to the above, Watts Bar does not have a procedure to insure that temporary attachments welded within 1 inch of either side of the weld will be examined after their removal. Watts Bar Liquid Penetrant Process Instruction 3.M.1.1c Paragraph 6.1.3 requires PT examination for only 1/2 inch on each side of the weld and this 1/2 inch of additional coverage is for Class 1 welds only. Temporary attachments were observed adjacent to weld joints 2-068A-D148-05 and 2-068A-D146-05 and no record of the temporary attachments installation or removal was noted on the weld joint history record.

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This is an infraction, and applies to License No. CPPR-92 only.

- C. As required by Criterion VI of Appendix B to 10 CFR and implemented by FSAR, Paragraph 17.1A.6 "Measures shall be established . . . these measures shall assure that documents, including changes are distributed to and used at the location where the prescribed activity is performed."

Contrary to the above, on July 2, 1980 the following was noted:

1. Watts Bar site has no documented requirement for procedures controlling activities affecting quality to be at the location where that activity is being accomplished.
2. An NDE examiner was observed performing liquid penetrant inspection in Unit 1 containment building on 14 ASME Class 2 welds. When questioned he did not know the acceptance criteria for rounded indications.
3. The above inspector did not have a liquid penetrant procedure on the job.

This is a deficiency, and applies to License No. CPPR-91 only.

- D. As required by Criterion V of Appendix B to 10 CFR 50 and implemented by FSAR, Paragraph 17.1A.5, "Activities affecting quality shall be prescribed by documented instructions, procedures, or drawings of a type appropriate to the circumstances and shall be accomplished in accordance with these instructions, procedures or drawings." TVA's Process Specification 4.M.1.1(g) requires that when stamping permanent identification on austenitic stainless steel that a blunt-nosed continuous or interrupted dot die stamps having 1/32 inch minimum radii shall be used. Material shall not be stamped without consideration for minimum wall thickness.

Contrary to the above, completed weld joints 2-062B-D138-03A and 2-062B-D138-03B were observed marked with a center punch for radiography and inservice inspection. Several of the indentations had been punched with a sharp pointed center punch and one of the indentations measured .057" deep in .437" nominal wall pipe.

This is an infraction, and applies to License No. CPPR-92 only.