

APPENDIX A

NOTICE OF VIOLATION

Tennessee Valley Authority  
Yellow Creek Nuclear Plant, Unit 1

License No. CPPR-172

Based on the NRC inspection June 5-8, 1979, 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 as implemented by TVA Topical Report TVA-TR75-1A, Section 17.1A.5, "Activities affecting quality shall be prescribed by documented instructions, procedures or drawings...and shall be accomplished in accordance with these instructions, procedures or drawings." Quality Control Instruction QCI C-208 specifies requirements for obtaining and documenting concrete samples, and specifies actions to be taken for out of specification test results. QCI C-208, Appendix 4, states that concrete compressive test cylinders shall be removed from the molds at 16 to 24 hours after molding and shall have free water maintained on the entire surface area of the cylinder at all times. QCI C-201 requires vertical insertion of vibrators a sufficient distance into concrete to ensure consolidation of successive layers and requires deposition of concrete in a manner that will not result in concrete flow for any distance.

Contrary to the above:

1. A concrete sample for Category 1 pour A1-D4 was discarded because measured slump was out of specification on June 5, 1979.
2. Several cylinders in the moist curing room were surface dry on June 5, 1979.
3. The mold for cylinder 684 was removed 29 hours after molding.
4. Vibrators were inserted into the top layer of pour A1-D4 at acute angles and failed to penetrate to the previous layer.
5. Concrete was deposited in one large pile from the bucket on several occasions during pour A1-D4 and allowed to flow excessive horizontal distances (6-8 feet).

This is an infraction.

- B. As required by Criterion V of Appendix B to 10 CFR 50, and as implemented by TVA Topical Report TVA-TR75-1A, Section 17.1A.5, "Activities affecting quality shall be prescribed by documented instructions, procedures, or drawings...and shall be accomplished in accordance with these instructions, procedures or drawings."

7908060288

421 193

Chicago Bridge and Iron Company procedure WMS 479, Revision 0, part 4, states, "The chemical analysis of the powdered metal shall conform to AWS classification EH-14 in SFA 5.17 of Section II, Part C, Table 1 of the ASME code and the special requirements of this section."

Contrary to the above, the certified material test report for bulkweld powdered metal heat number 0479008 indicated a chemical analysis had only been conducted for three of the six required elements listed in Table 1 of SFA 5.17, Section II, Part C of the 1974 ASME code. The bulkweld powdered metal had been used in the submerged arc welding of Unit 1 containment vessel plates.

s is an infraction.