

APPENDIX A
NOTICE OF VIOLATION

Tennessee Valley Authority
Watts Bar

Docket Nos. 50-390 and 50-391
License Nos. CPPR-91 and CPPR-92

As a result of the inspection conducted on September 27-30, 1983, and in accordance with the NRC Enforcement Policy, 47 FR 9987 (March 9, 1982), the following violation was identified.

10 CFR 50, Appendix B, Criterion V, as implemented by Watts Bar FSAR Section 17.1A.5 requires in part that activities affecting quality shall be prescribed by documented instructions, procedures, and drawings, and shall be accomplished in accordance with these instructions, procedures and drawings. Drawing ION 213-2, procedure WBNP-QCP-2.01, and specification G-9, require one density test for each 2000 cubic yard of earthfill placed and that the correct proctor curve be used to verify that the correct density and moisture content are used during earthfill operations for the Underground Barriers for Potential Soil Liquefaction.

Contrary to these requirements, the following incorrect sampling frequencies, proctor curve selections, and testing were made during earthfill operations for the underground barrier for Potential Soil Liquefaction:

1. Records indicate that insufficient density tests were made on July 21 and 30 and August 3, 20, 22 and 24, 1983.
2. Density test number 1226, which was made on July 25, 1983, in a non-Category I earthfill area with material from borrow area 2C was used as a test representing earthfill from borrow area 9 placed in the Category I Trench A Barrier.
3. Density test number 1233, made on July 28, 1983, indicates that proctor curve IIB from the Trench A borrow area was used to verify the correct density and moisture content of the earthfill. Test data from the included one point proctor test indicates that proctor curve III from the Trench A borrow area should have been used to verify the correct density and moisture content of the fill. Discussions with QC inspectors indicate that proctor curve IIB from the miscellaneous borrow area was the actual curve used to verify the correct density and moisture content of the earthfill.
4. Density test number 1247, made on August 4, 1983, in earthfill placed in the water treatment sump, was used to represent earthfill placed in the Trench A barrier on August 5, 1983.

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5. Density test number 1258, made on August 11, 1983, indicates that proctor curve V from borrow area 2C was used to verify the correct density and moisture content of the Trench A fill. Included one point proctor test data indicates proctor curve IV from borrow area 2C should have been used to verify the correct density and moisture content of the Trench A fill.

This is a Severity Level V Violation (Supplement II.E).

Pursuant to the provisions of 10 CFR 2.201, you are hereby required to submit to this office within thirty days of the date of this Notice, a written statement or explanation in reply, including: (1) admission or denial of the alleged violation; (2) the reasons for the violation if admitted; (3) the corrective steps which have been taken and the results achieved; (4) corrective steps which will be taken to avoid further violations; and (5) the date when full compliance will be achieved. Consideration may be given to extending your response time for good cause shown.

OCT 20 1983
Date: _____