TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

USNRC REGION II
ATLANTA, GEORGIA

400 Chestnut Street Tower II

April 29, 1982 82 MAY 2 A9:07

WBRD-50-390/81-65, -391/81-61
BLRD-50-438/81-51, -439/81-53
HTRD-50-518/81-19, -519/81-15
HTRD-50-520/81-17, -521/81-15
PBRD-50-553/81-20, -554/81-14
YCRD-50-566/81-18, -567/81-15

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR UNITS 1 AND 2, BELLEFONTE UNITS 1 AND 2, HARTSVILLE A AND B UNITS 1 AND 2, PHIPPS BEND UNITS 1 AND 2, AND YELLOW CREEK UNITS 1 AND 2 - WBRD-50-390/81-65, -391/81-61; BLRD-50-438/81-51, -439/81-53; HTRD-50-518/81-19, -519/81-15; HTRD-50-520/81-17, -521/81-15; PBRD-50-553/81-20, -554/81-14; YCRD-50-566/81-18, -567/81-15 - EN DES QA TRAINING PROGRAM - FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on July 20, 1981 in accordance with paragraph 50.55(e) of 10 CFR Part 50 as NCR M78-5E. Interim reports were submitted on August 20 and November 13, 1981 and February 26, 1982. Enclosed is our final report.

If you have any questions, please get in touch with R. H. Shell at FTS 858-2688 for PWRs and J. Domer at FTS 858-2725 for BWRs.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Licensing

Enclosure
cc: Mr. Richard C. DeYoung, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

8205180499

OFFICIAL COPY

IE 27
3/1

An Equal Opportunity Employer

ENCLOSURE

WATTS BAR UNITS 1 AND 2, BELLEFONTE UNITS 1 AND 2, HARTSVILLE A AND B UNITS 1 AND 2, PHIPPS BEND UNITS 1 AND 2, AND YELLOW CREEK UNITS 1 AND 2
AUDIT M78-5E

WBRD-50-390/81-65, -391/81-61; BLRD-50-438/81-51, -439/81-53;
HTRD-50-518/81-19, -519/81-15; HTRD-50-520/81-17, -521/81-15;
PBRD-50-553/81-20, -554/81-14; YCRD-50-566/81-18, -567/81-15

EN DES QA TRAINING PROGRAM
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

During an audit of TVA's Office of Engineering Design and Construction (OEDC) QA Staff, the following deficiencies were found:

1. The training courses in the Division of Engineering Design (EN DES) Indoctrination and Training Catalog dated February 1978 do not sufficiently cover all aspects of the training.

2. The method of evaluating the effectiveness of the training program (by use of a student questionnaire) is inadequate.

3. No QA procedure had been issued to establish approvals, responsibilities, objectives, and schedules for training programs.

4. Plans and schedules for training programs outlined in the training catalog have not been developed and formally submitted.

These deficiencies have contributed to a deficient EN DES QA training program which does not comply with 10 CFR 50, Appendix B, Criterion II.

The cause of this deficiency was apparently insufficient attention and support by upper-level management and inadequate staffing by qualified training personnel.

Safety Implications

This condition resulted in an EN DES QA training program which did not provide adequate assurance that suitable proficiency was achieved or maintained as required by Criterion II. Therefore, this deficiency could have resulted in a lessening of the level of confidence of design activities being performed by EN DES.

Corrective Action

Revision 2 to EN DES-EP 1.16, "QA Training Program" was issued October 28, 1980, and contained the EN DES training standard. A meeting among the EN DES Manager, OEDC QA Manager, Chief (of the newly formed) EN DES QA Branch, and other involved personnel was held on December 17, 1980, to determine the best course of action for implementation of the EN DES QA training program. Sufficient management attention was focused on the training program during this meeting such that staffing dedicated to QA training was authorized. The position of QA training specialist was filled on June 29, 1981, to develop, schedule, and instruct QA courses.

QA training course descriptions have been developed, approved, and presented for the following subjects:

"Quality Assurance Orientation"
"Quality Assurance Records Requirements"
"Handling and Reporting of Nonconformances"
"Indoctrination in Use of EN DES Procedures"
"Design Review"
"QA Techniques for Upper Management"

Other course descriptions are being developed and will be presented by December 31, 1982.

Each course has an examination given at the end of the presentation, and a comment sheet that each individual fills out.

Revision 3 to EN DES-EP 1.16, "QA Training Program," was issued April 1, 1982. Future revisions will be issued as the remaining proposed course descriptions are completed.

The QEB field offices have been instructed in QA Orientation, QA Records, and an open discussion on QA on the following dates:

Field Office Supervisors	January 11 and 15, 1982
Philadelphia, Providence, and Schnectady	January 29, 1982
Pittsburgh and Cincinnati	February 5, 1982
Charlotte, Bristol, Kernersville, Birmingham, Chicago, St. Louis, Chattanooga, and Milwaukee	February 19, 1982
Los Angeles, Tulsa, and Houston	March 18, 1982

Instruction in QA Orientation and other QA courses is continuing in EN DES. Two additional instructors were added to the QA training staff on April 19, 1982, to assist in accelerating the training schedule.