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

March 17, 1983

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WBRD-50-390/82-22, -391/82-20
BLRD-50-438/82-15, -439/82-15
HTRD-50-518/82-09, -520/82-09
YCRD-50-566/82-08, -567/82-08

U.S. Nuclear Regulatory Commission
Region II
ATTN: James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR, BELLEFONTE, HARTSVILLE A, AND YELLOW CREEK NUCLEAR PLANTS - REPORTABLE DEFICIENCY - QUALITY ENGINEERING BRANCH REVIEW OF PURCHASE REQUISITIONS - WBRD-50-390/82-22, -391/82-20 -BLRD-50-438/82-15, -439/82-15, -HTRD-50-518/82-09, -520/82-09, -YCRD-50-566/82-08, -567/82-08

The subject deficiency was initially reported to NRC-OIE, Region II, Inspector Don Quick on January 20, 1982 as NCR M80-11 Deficiency No. 9, "Review of Procurement Specifications for Quality Control Requirements." The title was changed as indicated above to more accurately reflect the nature of the deficiency. Our first, second, and third interim reports were submitted on March 1, June 1, and September 15, 1982, respectively. In compliance with paragraph 50.55(e) of 10 CFR Part 50, we are enclosing our final report on the subject deficiency. If you have any questions, please call Jim Domer for BWRs at FTS 858-2725 or Ralph Shell for PWRs at FTS 858-2676.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills

L. M. Mills, Manager
Nuclear Licensing

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

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ENCLOSURE
WATTS BAR, BELLEFONTE, HARTSVILLE A,
AND YELLOW CREEK NUCLEAR PLANTS
REVIEW OF PROCUREMENT SPECIFICATIONS
FOR QUALITY CONTROL REQUIREMENTS
10CFR50.55(e) REPORT NO. 4 (FINAL)
WBRD-50-390/82-22, -391/82-20
BLRD-50-438/82-15, -439/82-15
HTRD-50-518/82-09, -520/82-09,
YCRD-50-566/82-08, -567/82-08
AUDIT M80-11, DEFICIENCY NO. 9

Description of Deficiency

TVA's Quality Engineering Branch has not been given authority to review purchase requisitions through squadchecking or other approved practices.

Squadchecking ensures that TVA's Division of Engineering Design (EN DES) documents such as purchase requisitions are reviewed for technical, physical, and interface compatibility by all EN DES organizations affected by, or concerned with the document. Evidence of the check and review shall be appropriately recorded for future reference. The independent reviewer's signature shall signify that these checks have been accomplished. Presently, as described in EN DES-EP 5.01 R14, "Purchase/Transfer Requisition - Evaluation of Bids and Recommendation/Rejection of Contract Award - Revisions to Contract," the only way a purchase requisition is sent to affected groups for review and comment before signature by the designated reviewer is if the procurement request is not on file or the preparer thinks a review is necessary.

The root cause of this deficiency was a lack of understanding of the review requirements in EN DES-EP 5.01, which governs the preparation and processing of purchase requisitions, not providing for QEB to review inspection requirements included in purchase requisitions.

Safety Implications

The lack of instructions to ensure that affected design groups, such as Quality Engineering Branch-Quality Control (QEB-QC), review purchase requisitions through squadchecking or other approved practices before the designated reviewer's signature may indicate a breakdown in the Interface Control Procedure established by EN DES-EP 1.28 and TVA's Topical Report, TVA-TR75-1; and thus may cause technical interface compatibility problems.

This could result in the requisition and/or installation of faulty or incorrect equipment thus having adverse effects on the safe operation of the plant.

Corrective Action

The Mechanical Engineering Support Branch is in the process of revising EN DES-EP 5.01 to incorporate the requirement that the contract engineering branches coordinate procurement specifications requiring inspection by the materials engineer with the Quality Engineering Branch. This revision will be issued by July 1, 1983. In the meantime, a directive has been issued (November 12, 1982) by the Manager of Engineering Design which implements these changes in the review process.