TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
5N 157B Lookout Place

JAN 15 1988

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of the Application of) Docket Nos. 50-390
Tennessee Valley Authority) 50-391

WATTS BAR NUCLEAR PLANT (WBN) UNITS 1 AND 2 - REGION II INSPECTION REPORT NOS. 50-390/87-05 AND 50-391/87-05 - STATUS UPDATE TO VIOLATION 390, 391/87-05-01 AND ANSI VERIFICATION ACTIVITIES

Enclosed is our status update of TVA's letter to NRC dated October 6, 1987, which includes additional information for violation 390, 391/87-05-01 concerning Watts Bar control of vendor documents and progress of our layup/cleanness efforts. The attachment addresses our progress in addressing Watts Bar commitments to the American National Standards Institute (ANSI) standards.

A status update will be provided by July 15, 1988, on the cleanness/layup program and the ANSI verification activities, and a status update on the vendor information program will be provided by September 16, 1988.

If there are any questions, please telephone R. D. Schulz at (615) 365-8524.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

R. Gridley, Director
Nuclear Licensing and
Regulatory Affairs

Enclosure
cc: See page 2

IE01
1/1

U.S. Nuclear Regulatory Commission

JAN 15 1988

DAK:RDS:AWL:SFS
cc (Enclosure):
Mr. K. P. Barr, Acting Assistant Director
for Inspection Programs
TVA Projects Division
Office of Special Projects
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. G. G. Zech, Assistant Director
for Projects
Mail Stop 7E23
Division of TVA Projects
Office of Special Projects
U.S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, Maryland 20814

U.S. Nuclear Regulatory Commission
Watts Bar Resident Inspector
P.O. Box 700
Spring City, Tennessee 37381

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
STATUS UPDATE RESPONSE COMMITTED TO BY
TVA LETTER TO NRC DATED OCTOBER 6, 1987
REFERENCE: REPORT NUMBER 50-390/87-05 AND 50-391/87-05

The following is a status update of our progress on violation 390, 391/87-05.

Inadequate Design Control/Vendor Information

1. The Watts Bar Engineering Project (WBEP) Procedure on Engineering Change Notices (ECN), WBEP-EP-43.02, was revised on October 15, 1987, (B26 871010 035) by a Procedure Revision Notice (PRN), PRN 43.02-01. This PRN ensures that vendor supplied documents for active safety-related components modified or replaced or installed by an ECN are identified, reviewed for engineering requirements, and the implementing design input/output documents are originated or revised. The requirements of the PRN will also be included in the ECN Modification Package Procedure WBEP-5.08, being developed as part of the restructured design change process.

2. Engineering established a task force to assess the control of the use of vendor documentation references in design output documents. The Task Force submitted their recommendation to the Director of Engineering on August 11, 1987 (B44 870811 001). This included the establishment of a cross-referencing matrix tying design output documents to the vendor documentation which the output document references. Nuclear Engineering Procedure 5.02 will be revised as appropriate.

3. Engineering is currently developing a list of Office of Nuclear Power (ONP) standards that will address the engineering function (i.e., receipt, review, and use) associated with vendor information.

4. An ONP standard on the document control function associated with vendor information, ONP-STD 1.5.14, is currently being developed.

5. A Quality Notice has been issued to the Nuclear Quality Assurance Manual (NQAM), part I, section ID-QAP 6.2 on vendor manual control. This Quality Notice provides requirements for implementation of the vendor manual control program in accordance with the Vendor Equipment Technical Information Program (VETIP) committed to by TVA to address actions required by NRC Generic Letter 83-28.

6. A contract was established on August 6, 1987, with Advanced Technology Engineering Systems, Incorporated for reviewing and updating vendor manuals in accordance with the Quality Notice discussed in 5 above. This contractor is currently reviewing and updating vendor manuals for Sequoyah Nuclear Plant (SQN) to ensure that they are complete, match plant configuration, and are entered into a controlled system. This contractor will perform similar work for WBN as a follow-up activity.

7. Implementation of the requirements of the Quality Notice associated with items 2 through 6 above, and the corrective action and recurrence control actions for CAQR WBP 870701 is currently planned before unit 1 fuel load.

A final report on vendor information, which is planned to be part of the Design Baseline Program, will be submitted before fuel load of the respective units.

Classes of Cleanness

1. The layup requirements for both carbon steel and stainless steel system described in General Construction Specification G39 and Project Construction Specification N3M890 were formally issued on October 8, 1987 (B44 871008 002 and B26 871008 205 respectively).

2. The Watts Bar Engineering Requirement (ER) Specification ER-WBN-MEB-005 R1, "Plant Layup/Equipment Preservation," was issued December 11, 1987 (B26 871211 011). A detailed cleanliness specification is also being formulated.

3. CAQRs WBN 870867 and WBP 870266 have been issued to address the failure to meet Project Construction Specification N3M-890 for cleanness level requirements and the failure to include sufficient details for achieving and maintaining system layup requirements, respectively.

All deficiencies identified are being evaluated for their affect on hardware.

A final report on the classes of cleanness/layup, implementation, and CAQR disposition results will be submitted before fuel load of the respective units.

ATTACHMENT

The status update for compliance with all the ANSI standards committed to in the Final Safety Analysis Report (FSAR) and the TVA QA Topical Report is presented in two parts.

1. ANSI-FSAR Rolldown

   The identification of Watts Bar licensing commitments has been completed. The verification that the commitments are captured in the highest level TVA implementing document has started. The results of the verification activity will be used to further review the incorporation of ANSI standard commitments into working level procedures.

2. TVA QA Topical Report (Revision 9)

   Status

   A. Construction - Phase Procedures

      The review compared ANSI standards to a total of 233 site procedures (225 previously referenced and 8 new procedures). A total of 722 potential concerns were identified. As of December 31, 1987, a total of 594 concerns have been dispositioned. For concerns with individual procedures, there were 26 added to NCR 7229, 88 concerns were resolved by revision requests, 105 concerns were answered by revisions to procedures made between the time the matrix was performed and resolution of the concern. The resolution of concerns is not complete at this time for the construction phase procedures. The resolution of 85 concerns has not been completed.

   B. Operations - Phase Procedures

      The review compared the ANSI standards to a total of 200 site procedures (193 previously referenced and 7 new procedures). A total of 551 potential concerns were identified. As of December 31, 1987, all of the potential concerns have been dispositioned. For concerns with individual procedures, there were 75 added to CAQR WBP 870855, revision 1, nine concerns were resolved by revision requests, and 100 concerns were answered by revisions to procedures made between the time the matrix was performed and resolution of the concern. Additional procedures are being revised and DNE is evaluating affect upon hardware.

A final report on the ANSI program and the resolution of the identified concerns, including any affects on hardware, will be submitted before fuel load of the respective units.