



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

Enclosure

SUPPLEMENTAL SAFETY EVALUATION  
BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
TENNESSEE VALLEY AUTHORITY  
WATTS BAR NUCLEAR PLANT, UNIT 1  
REVISION 5 OF THE QA RECORDS CORRECTIVE ACTION PROGRAM  
DOCKET NO. 50-390

INTRODUCTION

In a letter to TVA dated December 8, 1989, the staff reported that Watts Bar "has established acceptable program guidelines for resolution of the QA records issues" within the scope of the corrective action program (CAP). That evaluation was based on the staff's review of Revision 3 of the CAP plan and Section 2.13, "QA Records", of the Watts Bar Nuclear Performance Plan, Volume 4. Subsequently, the staff performed an inspection (Inspection Report 50-390/90-08, dated September 13, 1990) and expressed a concern that the implementation of the CAP may not provide an acceptable Q-list and all records required for licensing (letter, S. D. Ebnetter to O. D. Kingsley dated October 30, 1990). As a result, a number of TVA-NRC meetings took place, and a number of letters addressing the staff's concerns were exchanged.

DISCUSSION AND EVALUATION

After a December 12, 1990 TVA-NRC meeting in the NRC Region II office, TVA documented the information presented at that meeting in a letter to the NRC dated January 28, 1991. Enclosure 1 to that letter described an Additional Systematic Records Review (ASRR). The ASRR was designed to provide additional confirmation of the adequacy of the QA records for Watts Bar Unit 1. The staff commented on the proposed ASRR by letter to TVA dated March 20, 1991, and TVA responded by letter dated May 10, 1991. In a letter dated July 2, 1991, TVA clarified that it would not use any of the data from previous reviews but would use only the ASRR results in performing the planned analysis. By letter dated October 16, 1991, TVA responded to NRC questions of August 30, 1991, and indicated that a modified CAP plan for Watts Bar QA records would be submitted at a later date. TVA's letter dated December 6, 1991, submitted Revision 4 of the CAP which incorporated the ASRR as an attachment. Staff questions regarding Revision 4 of the CAP plan (including the ASRR) were discussed in a TVA-NRC meeting at NRC headquarters on January 27, 1992 (summary dated January 30, 1992), and formally responded to by TVA letter dated February 14, 1992. The QA records CAP was again discussed at a TVA-NRC meeting in Region II offices on March 9, 1992. An NRC staff position was issued to TVA by letter dated April 10, 1992, and discussed

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during the NRC's inspection of Watts Bar (Inspection Report 50-390/92-10) during the week of May 4, 1992. By letter dated May 15, 1992, TVA submitted Revision 5 of the CAP, which was to be responsive to the staff position.

The staff has reviewed Revision 5 of the CAP. Revision 5 implies that when sampling of QA records does not show an acceptable population, sampling will be stopped and the population represented by the sample will be rejected by TVA on a case-by-case basis using engineering judgment. Therefore, the staff finds that Revision 5 is responsive to the staff position stated above. The staff concludes that Revision 5 of the CAP, when properly implemented, will provide reasonable assurance of the availability of sufficient QA records for issuance of an operating license to Watts Bar Unit 1. The staff will continue to perform inspections/audits to ensure that this CAP has been adequately implemented, QA record problems within the scope of this CAP have been corrected, and methods have been established for recurrence control. In addition, these inspections or audits will also evaluate whether there are other QA records problems at Watts Bar and whether the records necessary to support fuel loading will be available at that time.

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