



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

MAR 28 1991

WBRD-50-390/91-02
WBRD-50-391/91-02

10 CFR 50.55(e)

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

Gentlemen:

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

WATTS BAR NUCLEAR PLANT (WBN) UNITS 1 AND 2 - MATERIAL PROGRAM REVIEW
DEFICIENCIES - SIGNIFICANT CORRECTIVE ACTION REPORT (SCAR) WBP 910039 SCA -
WBRD-50-390, 391/91-02 - INTERIM REPORT

The subject deficiency was initially reported to NRC Region II on
February 15, 1991, in accordance with 10 CFR 50.55(e) as SCAR
WBP 910039 SCA. Enclosure 1 is TVA's interim report. A complete report
is expected to be submitted by July 1, 1991. Enclosure 2 provides a list
of commitments made in this letter.

TVA coordinated the change in due date of this letter with NRC Region II
on March 18, 1991.

If there are any questions, please telephone P. L. Pace at (615) 365-1824.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

Marly Buzynski for
E. G. Wallace, Manager
Nuclear Licensing and
Regulatory Affairs

Enclosures
cc: See page 2

9104020296 910328
PDR ADOCK 05000390
S PDR

JE27

U.S. Nuclear Regulatory Commission

MAR 28 1991

cc (Enclosures):

Ms. S. C. Black, Deputy Director
Project Directorate II-4
U.S. Nuclear Regulatory Commission
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852

INPO Record Center
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

NRC Resident Inspector
Watts Bar Nuclear Plant
P.O. Box 700
Spring City, Tennessee 37381

Mr. P. S. Tam, Senior Project Manager
U.S. Nuclear Regulatory Commission
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852

Mr. B. A. Wilson, Chief, Project Chief
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

ENCLOSURE 1

WATTS BAR NUCLEAR PLANT (WBN)
MATERIALS PROGRAM REVIEW DEFICIENCIES
WBRD-50-390, 391/91-02 SCAR WBP 910039 SCA
10 CFR 50.55(e) INTERIM REPORT

DESCRIPTION OF DEFICIENCY

The Inventory Control Group was assigned the task of reviewing engineering procurement specification packages for updates to the inventory control system, i.e., file maintenance and shelf life compliance. On January 3, 1991, a compliance review team was established at WBN. This group performs reviews that include the procurement cycle, receipt, storage, and issue of material. Significant Corrective Action Report (SCAR) WBP910039SCA documents deficiencies found during these reviews that are not in the scope of another approved corrective action program. It also documents a deficiency detected in the regular receiving process and deficiencies found during normal reviews. To date, the deficiencies documented on this SCAR and their status are as follows:

1. Twelve occurrences of failure to perform file maintenance in accordance with engineering output. To date, 337 packages have been reviewed and only five occurrences of material issued with incorrect file maintenance have been discovered.
2. Two occurrences of material not having shelf life requirements properly identified. To date, no material has been identified that was released for installation with expired shelf life.
3. Five occurrences of failure to obtain industrial site safety reviews/signatures. These items did not represent hardware deficiencies.
4. One occurrence of failure to place a Condition Adverse to Quality Report (CAQR) number on an inspection report. This did not represent a hardware issue. Corrective action consisted of adding the CAQR to the inspection report.
5. Two occurrences of material received from a vendor that was not on the Acceptable Suppliers List. Currently, the Material Application Group (MAG) is evaluating the impact of these occurrences.
6. Three occurrences of reviews not obtained. These packages are being sent back for the appropriate reviews.
7. One occurrence of Quality Assurance (QA) III material that was procured without the required Certificate of Conformance (COC). The vendor later supplied an acceptable COC and the issue was resolved.
8. One occurrence of material being upgraded from QA III to QA I without considering the material in stock; i.e., 3/8-inch hex nuts were procured QA level III and were inadvertently issued QA level I. This item represents a hardware deficiency with subsequent corrective action. However, Nuclear Engineering has determined the resulting condition is not safety significant.

9. One occurrence of QA .II material that was ordered without an engineering package. MAG has generated a package for this material, and this issue has been resolved.
10. One occurrence of material that was issued without the required MAG approval. MAG is currently evaluating this deficiency.

SAFETY IMPLICATIONS

To date, the Inventory Control Group has discovered one potential plant hardware problem (Item No. 8), two items which require additional evaluation and approvals (Item No. 6 and 10), and seven items which did not represent conditions that would have adversely affected safe operation of the plant (i.e., Item Nos. 1 through 5, 7, and 9 above). Items Nos. 6 and 10 require further review and approvals to determine their significance. For Item No. 8, material may have been installed in plant hangers that did not meet all of the engineering and quality requirements for the application. However, further review has determined that the resulting condition was not safety significant. Further evaluation is needed to determine if other hardware deficiencies exist.

INTERIM PROGRESS

The Inventory Control Group is continuing to review engineering output packages for all stock reorders and performing file maintenance when needed. Also a review of all past engineering output packages for file maintenance is underway. The Inventory Control Group, established in November 1990, is responsible for verifying and resolving all shelf life related matters; a single computerized tracking program is being established; and a review of all shelf life items will be conducted to identify inventory discrepancies. TVA is developing corrective action for the other deficiencies. This SCAR will be revised as necessary to include additional deficiencies. Therefore, corrective action determination cannot be completed until all of the deficiencies have been identified. TVA will provide a complete report regarding this issue including implementation schedules by July 1, 1991.

ENCLOSURE 2

LIST OF COMMITMENTS

1. The Inventory Control Group, established in November 1990, is responsible for verifying and resolving all shelf life related matters; a single computerized tracking program is being established; and a review of all shelf life items will be conducted to identify inventory discrepancies.
2. TVA will provide a complete report regarding this issue including implementation schedules by July 1, 1991.