



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381

MAR 3 0 1992

John H. Garrity
Vice President, Watts Bar Nuclear Plant

WBRD-50-390/92-04
WBRD-50-391/92-04
WBRD-50-390/92-05
WBRD-50-391/92-05

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 - MATERIALS IMPROVEMENT
PROGRAM - WBRD-50-390/92-04, WBRD-50-391/92-04, WBRD-50-390/92-05, AND
WBRD 50-391/92-05 - INTERIM REPORTS

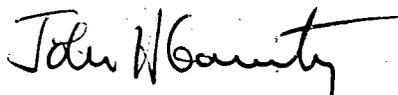
The subject conditions were initially reported to NRC Operations Center on
February 27, 1992, in accordance with 10 CFR 50.55(e) as Significant
Corrective Action Reports (SCARs) WBSA 920007 and WBSA 920008.

Enclosure 1 is TVA's interim report on SCAR WBSA 920007. Enclosure 2 is
TVA's interim report on SCAR WBSA 920008. The commitment made in this
report is provided in Enclosure 3.

TVA will complete an evaluation of any safety implications and will
develop a corrective action plan for these conditions. A final report
will be submitted in conjunction with the response to NRC Inspection
Report 50-390, 391/92-03.

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

Sincerely,


John H. Garrity

Enclosures
cc: See page 2

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U.S. Nuclear Regulatory Commission

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cc (Enclosures):

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) UNITS 1 AND 2
MATERIALS IMPROVEMENT PROGRAM
SIGNIFICANT CORRECTIVE ACTION REPORT
(SCAR) WBSA 920007
WBRD-50-390/92-04 AND WBRD-50-391/92-04

INTERIM REPORT

DESCRIPTION OF CONDITION

TVA reviews of both the Material Improvement Program (MIP) and the Material Control Program identified the potential for material of unacceptable quality to be issued to the field for installation in safety-related structures, systems, and components. The problem areas were identified by a Quality Assurance (QA) evaluation of employee concerns, ECP-92-WB-023-F1 and ECP-92-WB-024-F1, and related issues were addressed in NRC Inspection Report 50-390, 391/92-03. The QA evaluation and the NRC inspection documented several repeat occurrences of the problems after a December 5, 1991 corrective action memorandum was written.

Two Problem Evaluation Reports (PERs) were written prior to the start of these assessments and documented problems similar to those found during the assessments. WBP910483 documented the practice of issuing nonsanitized material (i.e., material which is yet to be verified as having met acceptable technical and quality requirements necessary for its end use(s)) to the field for installation in non-quality-related applications contrary to the intent of the MIP. The MIP sanitization process is designed to ensure that only qualified material is issued for use from the current inventory. Issuing nonsanitized material for non-quality-related applications was thought to be curtailed by a memorandum dated December 5, 1991, to materials issue personnel. The management processes associated with the documentation and resolution of WBP910483 did not resolve the conditions stated in the PER. WBP920003 also documented certain inadequate controls within the MIP process which could allow unsanitized material to be issued to field. Corrective actions were not documented.

SAFETY IMPLICATIONS

TVA is currently evaluating the extent of this condition, the root cause and corrective actions to prevent recurrence. At the level of program implementation, the potential may have existed for material of indeterminate quality to have been issued to the field for safety-related application. TVA will determine the effect on the overall suitability of safety-related components through completion of ongoing reviews. The final report will provide conclusive determination of safety significance and will be provided in TVA's response to Inspection Report 92-03.

ENCLOSURE 1
WATTS BAR NUCLEAR PLANT (WBN) UNITS 1 & 2
MATERIALS IMPROVEMENT PROGRAM
SIGNIFICANT CORRECTIVE ACTION REPORT
(SCAR) WBSCA 920007
WBRD-50-390/92-04 AND WBRD-50-391/92-04

INTERIM REPORT

INTERIM ACTIONS

A memorandum was issued March 4, 1992, with the following interim corrective actions effective immediately, and applying to all Materials and Procurement personnel:

- ° The Materials and Procurement organization is reestablishing a central focal point for all Corrective Action Program activities.
- ° It is the function of this focal point to ensure that timely and correct actions take place to resolve the processing of each document. The determination of interim actions, root causes, and corrective action plans will be handled by the responsible manager.
- ° The following facets of the Corrective Action Program are reemphasized to each employee and manager:
 - It is expected of each Materials and Procurement employee and manager to identify and document any potential problem in accordance with Site Standard Procedure (SSP)-3.04, "Corrective Action Program" (latest revision), and SSP-3.06, "Problem Evaluation Reports" (latest revision).
- ° Once a potential problem has been identified, immediately determine interim actions needed.
- ° Once a potential problem has been confirmed, the responsible person(s) shall:
 - ensure all actions happen in a timely manner
 - ensure the specified interim and final corrective actions are complete and thorough, and
 - ensure the specified interim and corrective actions have been implemented and have corrected the problem.

ENCLOSURE 2
WATTS BAR NUCLEAR PLANT (WBN) UNITS 1 and 2
MATERIALS IMPROVEMENT PROGRAM
SIGNIFICANT CORRECTIVE ACTION REPORT
(SCAR) WBSCA 920008
WBRD-50-390/92-05 AND WBRD-50-391/92-05

INTERIM REPORT

DESCRIPTION OF CONDITION

TVA reviews of both the Material Improvement Program (MIP) and the Material Control Program identified the potential for material of unacceptable quality to be issued to the field for installation in safety-related structures, systems, and components. The MIP program was established in 1991 to provide services to sanitize (i.e., verification that material has met acceptable quality and technical requirements necessary for its end use(s)) current inventory and provide engineering support to assure acceptable material and equipment are available for issue to the plant. The MIP sanitization process was designed to ensure only qualified material is issued for use from the current inventory.

The problem areas identified in this SCAR were identified by a Quality Assurance (QA) evaluation of employee concerns, ECP-92-WB-023-F1 and ECP-92-WB-024-F1, Problem Evaluation Reports (PERs) WBP920003, WBP920029, and WBP920483, and related issues were addressed in NRC Inspection Report 50-390, 391/92-03.

Some specific examples noted were the inadvertent issue of materials without sanitization, inadequate segregation of sanitized material from unsanitized material, inadequate material identification tagging, inadequacies in receipt inspections of commercial grade material, lack of clarity in procedures, and the inability to locate some receipt records.

SAFETY IMPLICATIONS

TVA is currently evaluating the extent of this condition, the root causes, and corrective actions to prevent recurrence. TVA will determine the effect on overall suitability of safety-related components through completion of an ongoing review of these problems. The final report will provide conclusive determination of safety significance and will be provided in TVA's response to NRC Inspection Report 50-390, 391/92-03.

INTERIM ACTIONS

On February 18, 1992, Materials management halted the issuance of materials from the existing source of Power Stores. At the same time, a single source of materials issuance (Warehouse B) was designated and a separate and independent engineering reverification of material was made a requirement at the issue counter of materials. Also, since "Q" stamped materials (materials which has been sanitized) had been stored in some cases, alongside nonsanitized material, and the potential existed for lack of control, this memorandum discontinued the practice of using "Q" stamps. The offsite storage cable warehouse located in Cleveland, Tennessee, was made an exception since it was considered to be under tighter controls and no failures were reported.

ENCLOSURE 2
WATTS BAR NUCLEAR PLANT (WBN) UNITS 1 and 2
MATERIALS IMPROVEMENT PROGRAM
SIGNIFICANT CORRECTIVE ACTION REPORT
(SCAR) WBSA 920008
WBRD-50-390/92-05 AND WBRD-50-391/92-05

INTERIM REPORT

INTERIM ACTIONS (continued)

A memorandum was issued to all Materials personnel on February 19, 1992, which requires that the quality level shown in the Materials Application and Management System (MAMS) data base, the storeroom requisition, and the material tag are identical before a material issuance can be made.

Materials managers conducted training sessions with small groups of Materials personnel to facilitate their understanding and adherence to these interim corrective actions.

ENCLOSURE 3

LIST OF COMMITMENTS

TVA will complete an evaluation of the safety implications and will develop corrective action plans for any deficiencies. A final report will be submitted in conjunction with the response to NRC Inspection Report 50-390, 391/92-03.