

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
USNRC REGION II  
ATLANTA, GEORGIA  
400 Chestnut Street Tower II

October 22 1981 P 1: 06

Mr. James P. O'Reilly, Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Region II - Suite 3100  
101 Marietta Street  
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - NRC-OIE REGION II INSPECTION  
REPORT 50-390,391/81-16 - RESPONSE TO VIOLATIONS

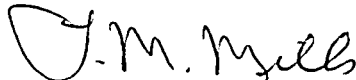
The subject inspection report dated September 22, 1981 cited TVA with one Severity Level V violation in accordance with 10 CFR 2.201. Enclosed is our response to the violation.

If you have any questions, please get in touch with R. H. Shell at FTS 857-2581.

To the best of my knowledge, I declare the statements contained herein are complete and true.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



L. M. Mills, Manager  
Nuclear Regulation and Safety

Enclosure

cc: Mr. Victor Stello, Director (Enclosure)  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNIT 1  
RESPONSE TO VIOLATIONS

VIOLATION 50-390/81-16-01

10CFR50, Appendix B, Criterion V requires that activities affecting quality be prescribed by documented procedures and accomplished in accordance with those procedures. The accepted QA program, FSAR 17.1A, commits to Safety Guide 28 which endorses ANSI N45.2-1971. Section VI of the standard specifies the same requirements as Appendix B.

1. Watts Bar Quality Control Procedures (QCP) 4.10, Appendix B, step 6.4.5 requires that rebolting be witnessed by the mechanical inspector and documented in the rework log on attachment A. Any material replaced must be noted.

Contrary to the above, as of July 30, 1981, activities affecting quality were not accomplished in accordance with procedures in that the 1A-A Centrifugal Charging Pump discharge flange gasket and bolting materials were changed and rebolted, apparently without being witnessed by a mechanical inspector and the parts were not documented on the rework log of attachment A.

2. Quality control Instruction 4.31, steps 6.1.3 and 6.1.4, requires that spiral wound gaskets be kept in plastic bags until just before use and that the gasket be handled using good engineering practices to prevent contamination.

Contrary to the above, as of July 30, 1981, activities affecting quality were not accomplished in accordance with procedures in that the gasket to be installed in the 1A-A Centrifugal Charging Pump discharge flange was not packaged as required and the gasket was not handled using good engineering practices to prevent chloride contamination.

3. QCP-4.10, Appendix E, step 6.3.6.3.5, states that if it becomes necessary to leave an open item temporarily unattended, the protective cover and seal shall be reinstalled.

Contrary to the above, as of July 16, 1981, activities affecting quality were not accomplished in accordance with instructions in that craft personnel involved in bolting operations on the 1A-A Centrifugal Charging Pump suction line left the pump room for approximately one hour and did not install a protective cover or seal on the open pipe.

This is a Severity Level V Violation (Supplement II.E) applicable to unit 1.

### Admission or Denial of Alleged Violation

TVA admits the violation occurred as stated.

### Reason for the Violation

TVA has investigated the circumstances leading to item 1 of the violation and determined that the work performed was unauthorized and personnel did not follow procedures.

The reason for items 2 and 3 of the violation was the failure of the appropriate personnel to follow procedures.

### Corrective Steps Taken and Results Achieved

The corrective steps taken in response to items 1 and 2 are a new gasket was obtained, properly handled, and installed. The work performed in response to item 1 was appropriately documented and witnessed by a mechanical inspector. Also, in response to item 3, the 1A-A centrifugal charging pump flange has been properly installed using a new gasket.

### Corrective Steps Taken to Prevent Further Violation

TVA has implemented an access control program which has been placed on selected equipment rooms to prevent access to these areas, thereby preventing unauthorized work from being performed.

To prevent further violations identified in items 2 and 3, the appropriate personnel were retrained of the requirements of Watts Bar procedures WBN-QCI-4.31 and WBN-QCP-4.10.

### Date of Full Compliance

TVA is now in full compliance.

NRC-OIE requested TVA to address the apparent deficiencies in the craft Training Program at Watts Bar. Several months ago TVA initiated a new quality assurance program. In this program, the appropriate crafts are instructed on QA procedures in employee group meetings. Also, the way procedures pertain to their work are discussed with the crafts. This program will ensure that activities performed by the crafts are adequate to assure quality. In response to the subject noncompliances, craft supervisors were informed of the subject violation. Retraining through the craft Training Program has been completed.