



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA ST., N.W., SUITE 3100  
ATLANTA, GEORGIA 30303

*Central File*  
*50-390*  
*391*

JUL 25 1980

In Reply Refer To:  
RII:JLC  
50-390/80-14  
50-391/80-10

Tennessee Valley Authority  
ATTN: H. G. Parris  
Manager of Power  
500A Chestnut Street Tower II  
Chattanooga, TN 37401

Gentlemen:

Thank you for your letter of July 10, 1980, informing us of steps you have taken to correct the items of noncompliance concerning activities under NRC Construction Permit No. CPPR-91 brought to your attention in our letter of June 17, 1980. We will examine your corrective actions and plans during subsequent inspections.

We appreciate your cooperation with us.

Sincerely,

C. E. Murphy, Chief  
Reactor Construction and Engineering  
Support Branch

cc: C. C. Mason, Acting Plant  
Superintendent  
J. E. Wilkins, Project Manager  
J. F. Cox, Supervisor, Nuclear  
Licensing Section  
D. P. Ormsby, Project Engineer  
H. N. Culver, Chief, Nuclear  
Safety Review Staff

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

July 10, 1980

JUL 15 AM: 11

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 UNIT 1 - NRC-OIE REGION II LETTER RII:JLC  
50-390/80-14, 50-391/80-10 - RESPONSE TO INFRACTION 390/80-14-01  
AND DEFICIENCY 390/80-14-02

The subject letter dated June 17, 1980, cited TVA with one  
deficiency and one infraction. Enclosed is TVA's response.

If you have any questions concerning this matter, please get in touch  
with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*L. M. Mills*

L. M. Mills, Manager  
Nuclear Regulation and Safety

Enclosure

cc: Mr. Victor Stello, Jr., 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 INFRACTION 390/80-14-01  
AND DEFICIENCY 390/80-14-02

INFRACTION 390/80-14-01

As required by Criterion V of Appendix B to 10CFR50, and implemented by FSAR, Paragraph 17.1A.5, "Activities affecting quality shall be prescribed by documented instructions, procedures, or drawings of a type appropriate to the circumstances and shall be accomplished in accordance with these instructions, procedures or drawings."

Watts Bar Welding Procedure GF-88-0-3R-0 required that the root layer be welded with 1/32", 1/16", or 3/32" filler material.

Contrary to the above, on May 21, 1980, a welder was observed welding the root layer in two socket welds using 1/8" filler material.

Corrective Action Taken and Results Achieved

NCR 2354R has been issued for the two weld joints involved. The Detail Weld Procedure GT-88-0-RO has been changed to allow the use of 1/8" filler metal for the root pass and this change has been approved by TVA's Division of Engineering Design.

Action Taken to Prevent Recurrence

Investigations revealed that the primary cause of this item of noncompliance was the absence of the welding procedure from the work area. Copies of this and other welding procedures are now available to welders, foremen, and inspectors in the work areas. Welders and foremen have been instructed to review the welding procedure involved prior to beginning to weld. Inspectors have been instructed to check for correct filler metal size and type when making fitup inspections and regular welding surveillance.

Date When Full Compliance Will Be Achieved

We are now in full compliance with our procedures.

DEFICIENCY 390/80-14-02

As required by Criterion V of Appendix B to 10CFR50 and implemented by FSAR, Paragraph 17.1A.5, "Activities affecting quality shall be prescribed by documented instructions, procedures, or drawings of a type appropriate to the circumstances and shall be accomplished in accordance with these instructions - procedures or drawings." Watts Bar Process Specification 3.M.1.1(c) states, "After completion of all examinations, including those of repaired areas, the examined areas shall be cleaned by wiping with clean dry cloth or paper, followed by wiping with cloth or paper saturated with acetone, isopropyl alcohol, or an approved penetrant remover."

Contrary to the above, on May 21, 1980, three completed welds on safety-related pipe/components were observed with dye and developer on the weld joints and adjacent pipe/components.

Corrective Action Taken and Results Achieved

The dye and developer have been cleaned from the welds involved.

Action Taken to Prevent Recurrence

Inspectors responsible for performing liquid penetrant examination have been instructed to follow procedures completely when performing the examinations, including cleanup after the examination is complete.

Date Full Compliance Will Be Achieved

We are now in full compliance.