

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

SEP 04 1986

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U.S. Nuclear Regulatory Commission
Region II
Attention: Dr. J. Nelson Grace, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Dear Dr. Grace:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - NRC-OIE REGION II INSPECTION REPORT
50-391/86-14 AND 50-390/86-14 - RESPONSE TO VIOLATIONS

Enclosed is our response to G. G. Zech's August 1, 1986 letter to S. A. White which transmitted IE Inspection Report Nos. 50-390/86-14 and 50-391/86-14 citing activities at Watts Bar Nuclear Plant which appeared to be in violation of NRC regulations. Enclosed is our response to citation 390/86-14-04, failure to implement design criteria and control work activities. As discussed with Morris Branch on August 29, 1986, further evaluation is required before the response can be finalized for citation 391/86-14-03, failure to control deviations from specifications. That response will be submitted by September 15, 1986.

If there are any questions, please get in touch with J. A. McDonald at (615) 365-8527.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY



R. L. Gridley, Director
Nuclear Safety and Licensing

Enclosure

cc (Enclosure):

Mr. James Taylor, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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ENCLOSURE
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
RESPONSE TO NRC-OIE REGION II LETTER FROM GARY G. ZECH TO
S. A. WHITE DATED AUGUST 1, 1986
INSPECTION REPORT NOS. 50-390/86-14 and 50-391/86-14

This report responds to violation 50-390/86-14-04 described in enclosure 1 of the NRC-Region II inspection report referenced above. This is our final report on this item of noncompliance.

Violation 390/86-14-04

10 CFR 50, Appendix B, Criterion V, as implemented by TVA's QA Topical Report, TVA-TR-75-1A, Revision 8, paragraph 17.2.5, requires that activities affecting quality shall be prescribed by procedures of a type appropriate to the circumstances and shall be accomplished in accordance with these procedures. Watts Bar Design Criteria (WB-DC-20.21.1) specifies the total loading requirements for cable tray supports and specifies a deadweight of 45 pounds per foot for 18-inch wide cable trays. Watts Bar Standard Practice (WB-7.1.16) is the plant procedure for controlling transient loading on cable trays.

Contrary to the above, between May 21, and June 20, 1986, scaffolding was noted supported on cable trays in violation of WB-7.1.16. Additionally, WB-7.1.16 did not implement the requirements of WB-DC-20.21.1, in that the procedure allowed 400 pounds per foot of live load on the cable trays when WB-DC-20.21.1 designed the tray supports for a maximum of 75 pounds per foot of live loads and then only on the top tray.

This is a Severity Level IV violation (Supplement II) and applies to unit 1 only.

Admission of Violation

TVA admits the violation occurred as stated.

Reason For the Violation

Failure to provide an adequate procedure (WB-7.1.16) for guidance, instruction, and control of the use of cable trays and ductwork as temporary support for personnel and/or scaffolding. Failure to provide adequate training and instruction to those responsible for scaffold erection.

Corrective Steps Taken and Results Achieved

TVA engineering and maintenance personnel inspected the scaffold installations cited by NRC and determined that no structural damage had occurred.

All scaffolding presently installed using cable trays or ductwork for support will be inspected by TVA. All scaffolding which does not meet design loading requirements will be corrected. Damage observed, if any, will be evaluated and specific and generic corrective action taken as appropriate before fuel loading.

Corrective Steps Taken to Avoid Further Violations

Procedures will be revised to implement the design requirements and to ensure adequate control, review and approval of the use of cable trays and ductwork for support of personnel and/or scaffolding.

All foremen of craft personnel responsible for scaffold erection and appropriate craft personnel will be instructed in the requirements of the revised procedure.

Date of Full Compliance

TVA will be in full compliance by November 25, 1986.