

DEC 11 1990

Official copy

Docket Nos. 50-390, 50-391
License Nos. CPPR-91, CPPR-92

Mr. Oliver D. Kingsley, Jr.
Senior Vice President, Nuclear Power
Tennessee Valley Authority
6N 38A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Dear Mr. Kingsley:

SUBJECT: INSPECTION REPORT NOS. 50-390/90-20 AND 50-391/90-20

We have reviewed your response of October 25, 1990, to Notice of Violation 50-390/90-20-01, issued on September 25, 1990, regarding failure to follow procedure when a Quality Control (QC) inspector inspected and accepted certain concrete expansion anchor bolts.

You state that the reason the violation occurred was misinterpretation of the procedure and an oversight on the part of the QC Inspector. You then state that procedures WBN-CPI-8.1.8-G-100 and WBN-CPI-8.1.8-C-501A have different requirements. One procedure requires the start of the thread to be level with the outside face of the nut. The other procedure requires that the bolted connections shall exhibit visible evidence of complete threading through the nut by a minimum of one thread exposed. As we interpret the requirements, in either case, the thread must be completely through the nut to be acceptable.

Our documented inspection of the bolts in question identified that the thread engagement on the two bolts was not through the nut, but significantly below full thread engagement. Also, your documentation of the finding on Problem Reporting Document (PRD) WBP900358P identified that the bolts failed to have complete thread engagement "by two or three nut threads".

We conclude that the reason for the violation was not due to misinterpretation of the procedures as you state in your response. It is our position that the bolt thread engagement would fail proper Quality Control inspection using either procedure.

We are also aware of other recent instances where required Quality Control inspections appear to have not been performed adequately; specifically, inspections on spliced cable and damaged cable found in the Diesel Generator Building at conduit 3B3619.

Tennessee Valley Authority

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On October 22, 1990 we met with representatives of TVA to discuss the status of quality issues at Watts Bar. Item Number 3 of the Watts Bar Nuclear Plant Quality and Productivity Improvement Plan specifically addresses QA/QC Improvement. In addition, this topic was discussed during our public meeting on November 14, 1990 in Chattanooga, Tennessee. Based on these discussions, we believe TVA was aware for some time that some deficiencies in QC inspections continue to exist at Watts Bar. Therefore, we find your response of October 25, 1990 to Violation 90-20-01 to be inadequate with regard to the reason for the violation and corrective actions.

You are requested to reevaluate your conclusions and provide a supplemental response within 30 days.

Should you have any questions concerning this letter, please contact us.

Sincerely,

~~Original Signature~~
BRUCE A. WILSON

Bruce A. Wilson, Chief
TVA Projects

cc: (See page 3)

Tennessee Valley Authority

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11/15/90

OR 11/20/90

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11/18/90