



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

August 9, 1989

Docket Nos. 50-390  
and 50-391

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

Dear Mr. Kingsley:

SUBJECT: INSPECTION REPORT NOS. 50-390/89-04 and 50-391/89-04

An NRC welding team inspection was conducted April 24 - May 5, 1989, May 15-19, and July 25-27, 1989 at the Watts Bar Unit 1 (WBN-1) facility. Members of the Office of Nuclear Reactor Regulation (NRR), Region II, and three consultants made up the NRC welding team.

During the inspection, the NRC welding team reviewed the status of open items left open from previous NRC inspections, the information contained in TVA's Phase I and II reports, and the adequacy of the WBN-1 corrective action program (CAP) plan for welding. The NRC welding team also interviewed cognizant TVA personnel about TVA's implementation of the WBN CAP plan for welding.

The NRC welding team noted no significant deviation from the results reported in the TVA's Phase I and II weld reports. Most of the weld deficiencies noted during this inspection were previously identified, evaluated, and corrected by TVA as a result of its reinspection effort. Therefore, the NRC's findings are in general agreement with the results of TVA's Phase I and II reports. The NRC welding team also found that the WBN-1 CAP plan for welding contained the essential elements needed to achieve its goals and objectives. Further, the NRC team found the corrective actions programs that resulted from the TVA's reinspection effort to be adequate which should provide reasonable assurance that the quality of the welds at WBN-1 would be adequate.

The enclosed inspection report details the scope, objectives, and findings of the NRC inspection team and identifies the areas examined during the inspection (Enclosure 1). Your attention is directed to the inspector follow-up item (IFI) detailed in Section 3, Summary, of the inspection report. This item will be pursued in future NRC inspections.

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Mr. Oliver D. Kingsley, Jr.

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The responses directed by this letter and its enclosure are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 86-511.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and its enclosure will be placed in the NRC Public Document Room. If there are any questions concerning this inspection, please contact this office.

Sincerely,

Original signed by  
B. D. Liaw, Director  
TVA Projects Division  
Office of Nuclear Reactor Regulation

Enclosure:  
Inspection Report Nos. 50-390/89-04  
and 50-391/89-04

cc w/enclosure:  
See next page

8/9/89  
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OFC	: TVA:EB	: TVA:EB/BC	: TVA:AD/TP	: TVA:AD/P	: NRR:TPA/D	:
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Mr. Oliver D. Kingsley, Jr.

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Mr. Oliver D. Kingsley, Jr.

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