

TENNESSEE VALLEY AUTHORITY

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DEC 28 1988

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of the Application of) Docket Nos. 50-390
Tennessee Valley Authority) 50-391

WATTS BAR NUCLEAR PLANT (WBN) UNITS 1 AND 2 - VENDOR WELD REVIEW

This letter provides a current status of the WBN vendor weld evaluation program described in TVA's December 5, 1986 letter to NRC and a revised completion schedule. The final report will be issued by March 30, 1989, instead of December 30, 1988, as originally committed to in TVA's May 5, 1988 letter to NRC.

TVA has implemented an inspection plan which provided the steps necessary to evaluate vendor-welded components. Following this inspection, TVA determined that further representative evaluation was needed to either confirm that previous actions were sufficient to resolve WBN vendor weld quality questions or to identify the scope of vendor welds which still need corrective action. TVA completed an evaluation of those vendor components which had previously been identified as having weld deficiencies but had no generic evaluation performed. TVA also completed additional evaluations where only similar or identical welds within the same component were previously evaluated. Condition adverse to quality reports (CAQRs) were generated to identify deficiencies resulting from these inspections.

Two items have led to a change in the completion schedule. The first item involves development of corrective action plans for the vendor welding CAQRs. The second item involves a review of the process used by TVA to identify and evaluate vendor welding. Therefore, the WBN vendor weld review program final report will not be issued until March 30, 1989.

Enclosure 1 provides a list of the vendors reviewed and description of the CAQRs written to address the deficiencies identified. Enclosure 2 lists the commitment made in this letter.

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Glenn Walton, NRC, was notified of the extended completion schedule on December 21, 1988.

If there are any questions, please telephone G. R. Ashley at (615) 365-8527.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



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cc (Enclosure):

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ENCLOSURE 1

WATTS BAR NUCLEAR PLANT (WBN) UNITS 1 AND 2
VENDOR WELD REVIEW

Listed below are the vendors that have been reviewed in the WBN vendor weld evaluation program.

1. York Electro: A sample of 64 instrument panel welds were visually inspected and the results submitted for evaluation. The results of this evaluation are documented on Condition Adverse to Quality Report (CAQR) WBP871191.
2. Pittsburgh Des-Moines: Radiographs have been reviewed for the refueling water storage tanks for unit 1 and unit 2, and CAQRs WBP880190 and WBP880746 have been initiated for the identified deficiencies.
3. Bergen-Paterson: The weld identified on quality indicator (Nonconforming Condition Report [NCR] 5085) was actually a field weld. No reinspection is required.
4. Limitorque Valve Operators: No reinspection is required by Nuclear Quality Assurance (NQA), based on engineering evaluation of NCR 6454. This compensator collar weld if it were to fail would not prevent the valve from operating.
5. Radiation Monitoring System: Previous corrective action adequately addressed scope of vendor deficiencies.
6. Dravo: There were 64 welds reinspected through a re-review of the radiographs and the required nondestructive examinations. Three CAQRs, WBP871226, WBP880075, and WBP880096, have been written for minor surface conditions. CAQR WBP871226 was written for a counter bore condition (internal surface condition). No additional inspections are required.
7. Masoneilan: Reinspection complete. CAQRs WBP880245 and WBP880250 were generated for undersized welds. The CAQRs were closed with a use-as-is disposition. No additional inspections are required.
8. CBI: Previous corrective action adequately addressed vendor deficiencies.
9. Tube Turn: Previous corrective action adequately addressed vendor deficiencies.
10. WRD-NTD: Previous corrective action adequately addressed vendor deficiencies.
11. Stern Rogers: Previous corrective action adequately addressed vendor deficiencies.
12. Yuba: Previous corrective action adequately addressed vendor deficiencies.

13. Westinghouse: Previous corrective action adequately addressed vendor deficiencies.
14. Opeilaka: Previous corrective action adequately addressed vendor deficiencies.
15. Julius Mock: Previous corrective action adequately addressed vendor deficiencies.
16. Broadline: Radiographs for both 175-ton polar cranes have been reviewed. CAQRs WBP880749 and WBP880750 were generated identifying defects and technique problems.

Listed below are the CAQRs generated for vendor weld deficiencies identified as a result of the WBN vendor weld evaluation program.

<u>CAQR No.</u>	<u>Vendor/Component</u>	<u>Description</u>
WBP871191	York Electro/Instrument Panels	As a result of the dynamic analysis performed on a sample of the vendor panels, Nuclear Engineering (NE) has determined that the vendor welds provided meet design specification requirements.
WBP880749 WBP880750	Broadline/Polar Cranes	100 percent of the vendor welds have been reinspected. Defects were found and technique deficiencies were detected. NE calculations are currently being evaluated based on the reinspection.
WBP880746 WBP880190	Pittsburgh Des-Moines/Refueling Water Storage Tanks (RWSTs)	Approximately 40 percent of the radiograph/weld sectors for the unit 1 and 2 RWSTs have been reviewed with an unacceptable rejection rate by TVA inspectors. Corrective action is being developed to address vendor welds determined to be unacceptable and to review the remaining radiographs.
WBP871226 WBP880075 WBP880096	Dravo/Piping Subassemblies	Only minor surface conditions were identified during the visual weld reinspections of the vendor welds. The CAQRs will track corrective actions to completion.

WBP880245
WBP880250

Masoneilan/Valves

The undersized welds identified have been determined by NE calculation to be acceptable. The CAQRs were closed with a use-as-is disposition.

ENCLOSURE 2

LIST OF COMMITMENTS

Complete review of welds in vendor-made components and submit final report detailing the results to NRC by March 30, 1989.