

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

85 JAN 22 11 53 1985
January 17 1985

BLRD-50-438/83-24
BLRD-50-439/83-19

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Dear Mr. O'Reilly:

BELLEVILLE NUCLEAR PLANT UNITS 1 AND 2 - LACK OF BINGHAM-WILLAMETTE COMPANY
QA PROGRAM FOR SPARE PARTS - BLRD-50-438/83-24, BLRD-50-439/83-19- FINAL
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on March 7, 1983 in accordance with 10 CFR 50.55(e) as
Audit 83V-10 Deficiency No. 1. This was followed by our interim reports
dated April 5 and August 26, 1983, and January 30, 1984. Enclosed is our
final report. We consider 10 CFR Part 21 applicable to this deficiency.

If you have any questions, please get in touch with R. H. Shell at
FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

David J. Lambert for

J. W. Hufham, Manager
Licensing and Regulations

Enclosure

cc (Enclosure):

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

Records Center
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

Babcock & Wilcox Company
P.O. Box 1260
Lynchburg, Virginia 24505
Attention: Mr. H. B. Barkley

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
LACK OF BINGHAM-WILLAMETTE COMPANY QA PROGRAM FOR SPARE PARTS
AUDIT FINDING 83V-10 DEFICIENCY NO. 1
10 CFR 50.55(e)
BLRD-50-438/83-24, BLRD-50-439/83-19
FINAL REPORT

Description of Deficiency

During TVA quality assurance audit 83V-10 at Bingham-Willamette Company (BWC), Portland, Oregon, three quality assurance program deficiencies were identified. The items being supplied to TVA are steam turbine-driven and electric motor-driven auxiliary feedwater (AFW) pumping units with spare parts. Out of the three audit deviations identified as a result of this audit only deficiency No. 1 was considered a significant condition adverse to quality. This deficiency noted that BWC had supplied and was currently in the process of supplying non-ASME code (noncode) items that were not manufactured in accordance with a documented quality assurance program as required by TVA contract No. 76K31-86133.

It was determined that this deficiency was a result of BWC inadvertently overlooking contractual requirements for compliance with ANSI N45.2 for all noncode items during their initial breakdown of the above contract into BWC working documents. These working documents indicated that original noncode items supplied to TVA required no quality assurance documentation; therefore, when work was started for spare parts ordered on Contract Change No. 9, they were identified as requiring no quality assurance documentation and manufacturing began under BWC's commercial shop practices.

Safety Implications

If the affected pump components do not meet the ANSI N45.2 quality requirements, there is a possibility that the components could fail under some design basis events. Since the AFW pumps affected are primary safety-related components, such a component failure could adversely affect the AFW systems' safety-related functions as defined in Bellefonte Nuclear Plant (BLN) FSAR Section 10.4.9, thus adversely affecting the safe operation of the plant.

Corrective Actions

Since the submission of TVA's third report on this deficiency, we have met with BWC representatives to discuss the two options for resolution outlined in our third report. It was agreed as a result of that meeting that BWC would remanufacture the subject pump internal components and spare parts. Consequently, TVA removed the stopwork order placed against the BWC contract, and BWC provided a satisfactory written response to the referenced audit deficiency.

TVA conducted a follow-up audit of the BWC to verify implementation of the BWC quality assurance program for the internal components being remanufactured. No new deficiencies were identified and implementation of BWC's corrective actions was verified.

TVA is actively monitoring the fabrication of the replacement components. The installation and performance testing of the remanufactured components is scheduled for completion by June 5, 1985.