

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

May 15, 1984

BLRD-50-438/83-49
BLRD-50-439/83-42

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - QUALITY ASSURANCE ON VALVE
PURCHASE ORDERS BY ATWOOD AND MORRILL - BLRD-50-438/83-49,
BLRD-50-439/83-42 - FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
P. E. Fredrickson on September 1, 1983 in accordance with 10 CFR 50.55(e)
as NCR 83V-66 Deficiency No. 2. This was followed by our interim reports
dated September 26 and December 19, 1983 and February 17, 1984. Enclosed
is our final report.

TVA does not now consider the subject nonconforming condition adverse to
the safe operation of the plant. Therefore, we will amend our records to
delete the subject nonconformance as a 10 CFR 50.55(e) item.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

D S Kammer

for L. M. Mills, Manager
Nuclear Licensing

Enclosure

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

Records Center (Enclosure)
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30333

8405240161 840515
PDR ADDCK 05000438
S PDR

ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
QUALITY ASSURANCE ON VALVE PURCHASE ORDERS
BY ATWOOD AND MORRILL
NCR 83V-66-2
BLRD-50-438/83-49, BLRD-50-439/83-42
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

Vendor audit 83V-66 was conducted at Atwood and Morrill Company, Salem, Massachusetts, during the period of August 8-11, 1983. As a result of this audit, deviation 83V-66-2 was initiated which identified the lack of adequate quality assurance requirements imposed on purchase orders for the manufacture of class 1E solenoid valves and air-operated valve actuators. TVA contract No. 82K21-830319, Appendix B, "Quality Assurance Requirements for ASME Section III Valves," requires ANSI N45.2, "Quality Assurance Program Requirements," to be imposed on the valve actuator manufacturer. No objective evidence was available to indicate that the purchase and manufacture of air operators were in accordance with contract requirements.

Safety Implications

An audit of Xomox Corporation, Tufline Division, Cincinnati, Ohio, was conducted during the period of December 6-7, 1983, by the Atwood and Morrill quality assurance manager with surveillance performed by TVA's Office of Quality Assurance, Design Quality Assurance Branch/Procurement Programs Group personnel. This review and audit of Tufline Division's quality assurance program determined that adequate controls were implemented for the manufacture of air actuator subassemblies. Inspection and test activities were performed by Atwood and Morrill on the assembled actuators to verify conformance to specification requirements. These tests were documented and witnessed as required by TVA's Division of Engineering Design (EN DES) Quality Engineering Branch personnel. All tests witnessed were found to be acceptable. All valves in question were released for shipment to the jobsite on February 15 and 28, 1984. Since adequate controls have been implemented for the manufacture of air actuator subassemblies and all inspection and test activities showed conformance to the specification requirements, there are no safety implications to Bellefonte, and TVA no longer considers this item to be reportable under 10 CFR 50.55(e).