

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

September 20, 1982

HTRD-50-518, -520/82-19

U.S. Nuclear Regulatory Commission
Region II
ATTN: James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

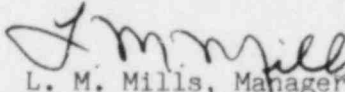
HARTSVILLE NUCLEAR PLANT A - REPORTABLE DEFICIENCY - QUALITY ASSURANCE
DEFICIENCIES ON ALLIS-CHALMERS BUTTERFLY VALVES - HTRD-50-518, -520/82-19

The subject deficiency was initially reported to NRC-OIE, Region II, Inspector Floyd Cantrell on August 23, 1982 as Audit 82V-51, Deficiencies 1 and 3. In accordance with paragraph 50.55(e) of 10 CFR Part 50, we are enclosing our first interim report on the subject deficiency.

TVA has elected to defer construction activities for this project. Deferral does not mean that the project will be cancelled but that TVA is minimizing its expenditures and construction efforts until such time that TVA has sufficient information to indicate whether the project should be completed or cancelled. Therefore, we will not be submitting a final report for this nonconformance until a final decision is made regarding this project. If you have any questions, please call Jim Domer at FTS 858-2725.

Very truly yours,

TENNESSEE VALLEY AUTHORITY


L. M. Mills, Manager
Nuclear Licensing

Enclosure

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

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ATLANTA, GEORGIA

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ENCLOSURE
HARTSVILLE NUCLEAR PLANT A
QUALITY ASSURANCE DEFICIENCIES ON ALLIS-CHALMERS BUTTERFLY VALVES
10CFR50.55(e) (INTERIM) REPORT NO. 1
AUDIT 82-51, DEFICIENCIES 1 & 3
HTRD-50-518, -520/82-19

Description of Deficiencies

Two reportable deficiencies were identified during TVA Vendor Audit 82V-51 conducted at Allis-Chalmers Valve Division, York, Pennsylvania, on August 9-12, 1982. The first finding identified concerns deficiencies noted on receiving inspection reports on material for TVA Contract No. 77K25-820750-2. Information required from the vendor's QA engineering department on receiving inspection material showed acceptance criteria that was signed and dated by the responsible QA engineer subsequent to QC receiving inspection's signoff and acceptance. However, QA program requirements call for acceptance criteria to be available at the time of receipt inspection.

The second finding concerns subassembly and final assembly manufacturing route sheets and signoff of individual operators before continuing with the next manufacturing sequence. Assembly routing sheets for certain jobs were not signed completed as appropriate although subsequent operations were signed and dated as completed and further manufacturing continued. Also, discrepancies were noted on QC inspection reports for valve wall thickness measurements and QC surveillance of shop welding activities, specifically weld rod issuance control. Both findings indicate a lack of implementation of QA manual requirements in their respective program areas.

Safety Implications

The two findings identified concern the lack of QC inspection and associated documentation for these activities. The failure to perform independent inspections and adequately document results may allow for equipment in subassembly or final assembly to be processed with unidentified discrepancies. These problems could be detrimental to the designed function and operability requirements of the subject valves.

Corrective Action

The audit team prepared a deficiency sheet for each finding which was discussed with Allis-Chalmers management at the exit meeting. A preliminary copy of these deficiencies was given to Allis-Chalmers at this meeting with the official copy being transmitted with the formal report. Allis-Chalmers was requested to respond with their proposed corrective actions within thirty days. This reply is due October 1, 1982.

In addition, the audit team recommended that all deficiencies be resolved before release of all remaining valves. TVA sent a telex to Allis-Chalmers on August 26, 1982, confirming that all QA deficiencies identified as a result of Vendor Audit 82V-51 should be corrected and verified before shipment of all remaining valves.