

<b>WEP</b> Closure Statement ----- Evaluation Report	<u>QUALITY INDICATOR GROUP CLOSURE</u>	Page <u>1</u> of <u>2</u>
	ACCEPTANCE OF NDE REPORTS BY A LEVEL I MAGNETIC PARTICLE (MT) EXAMINER	Date <u>12/16/86</u>
	WEP GROUP IDENTIFIER <u>QI-SP-4</u>	Revision <u>0</u> WEP Group No <u>17</u>

Approved \_\_\_\_\_ Date \_\_\_\_\_

Reviewed A.E. Bradford 12/16/86 Prepared Luther H. Hines

Address the following items in the space remaining on this page and on additional pages as needed (see Standard Practice WEP 3.1.10 for specific instructions).

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1. Employee Concern(s)/Quality Indicator(s)

Nonconforming Condition Report 4582 (Reference 7.1).

2. Characterization of Issue

Nonconforming Condition Report (NCR) 4582 documented a problem in which Level I Magnetic Particle (MT) inspectors signed several welding operation sheets (WOSs), apparently accepting the final MT examination of welds. Acceptance of welds by MT must be accomplished by an inspector holding a Level II or Level III MT qualification. The NCR was subsequently voided without addressing the Level I issue.

3. Summary

Not applicable.

4. Evaluation Methodology

In accordance with Department of Energy Weld Evaluation Project (DOE/WEP) Assessment Plan 017 (Reference 7.2), DOE/WEP reviewed the Tennessee Valley Authority (TVA) procedures controlling performance and recording requirements for MT inspections. The weld operation sheets for the welds in question, the supporting MT examination reports and applicable TVA qualification/certification and examination procedures were reviewed to determine the actual condition of the reported problem and the associated TVA requirements.

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5. Findings

The stated concern that a Level I Visual (VT) Magnetic Particle (MT) Inspector signed Welding Operation Sheets (WOS) is not in violation of TVA procedures. In addition, it should not be construed that the Level I inspector evaluated or accepted the final VT/MT examination of welds.

The WOSs in question (Reference 7.3), Numbers 1-26-F-6-1, 1-26-F-6-2, and 1-26-F-6-3, were initialed and dated for final VT/MT by a Level I inspector. However, each WOS referenced a VT/MT report, Numbers 1678, 1679 and 1680 respectively, which were signed and dated by a VT/MT Level II inspector.

TVA procedure WBNP-QCI-4.03, Process Control, Welding Surveillance, and Weld Procedure Assignment, Paragraph 6.1.3.2 (Reference 7.4), states that the Welding Quality Control (WQC) "witnesses, verifies, or examines and accepts an operation before the work can proceed to the next operation. It is permissible to insert a reference to documentation generated as a result of an operation or hold point, such as an NDE report number, in lieu of TVA employee's initials and date."

In the case of this concern, the TVA employee (a Level I inspector) listed the properly approved VT/MT report numbers and initialed and dated the appropriate blocks on the weld operation sheets (Reference 7.5).

6. Conclusions

DOE/WEP concludes that the VT and MT inspections were approved by qualified inspectors and no TVA procedure violation occurred.

7. References

7.1 NCR 4582.

7.2 DOE/WEP Assessment Plan 017, dated March 28, 1986.

7.3 Weld Operation Sheets 1-26-F-6-1, 1-26-F-6-2 and 1-26-F-6-3.

7.4 WBN-QCI-4.03, Process Control, Welding Surveillance and Weld Procedure Assignment, Section 6.1.3.2, Revision 5, March 5, 1984.

7.5 EG&G Idaho Notegram to A. E. Bradford from J. Mitchell, May 16, 1986.

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