

WEP Closure Statement ----- Evaluation Report	<u>QUALITY INDICATOR GROUP CLOSURE</u> INCOMPLETE TECHNICAL JUSTIFICATION FOR WELD ACCEPTANCE ON SEISMIC PIPE SUPPORT 70-1CC-R487 WEP GROUP IDENTIFIER <u>QI-SP-9</u>	Page <u>1</u> of <u>3</u> Date <u>01/15/87</u> Revision <u>0</u> WEP Group No <u>32</u>
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Approved _____ Date _____

Reviewed A E Bradford 1/16/87 Prepared [Signature]

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).

1. Employee Concern(s)/Quality Indicator(s)	5. Findings
2. Characterization of Issue	6. Conclusions
3. Summary	7. References
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1. Employee Concern(s)/Quality Indicator(s) (Reference 7.1)
 Nonconforming Condition Report 4477 Revision 0.

2. Characterization of Issue
 Welds on seismic pipe support 70-1CC-R487 were reported as deficient on Tennessee Valley Authority (TVA) Nonconforming Condition Report (NCR) 4477. The Department of Energy Weld Evaluation Project (DOE/WEP) review of the TVA technical justification for the use-as-is disposition concluded that it was insufficient to assure that the welds are acceptable as fabricated. The TVA Drawing 70-1CC-R487 (Reference 7.2) required 3/16 inch fillet welds. The TVA Watts Bar Nuclear Plant (WBNP) Procedure QCI 1.02, "Control of Nonconforming Items" (Reference 7.3) Paragraph 4.3.4, states: "Use-as-is--Acceptance of nonconforming item for use without rework, repair or modification when it is established that it does not result in an adverse condition and that the item under consideration continues to meet all engineering functional requirements."

3. Summary
 The Suitability-for-Service (SFS) analysis performed by TVA and reviewed by DOE/WEP determined that the two welds involved will perform satisfactorily.

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4. Evaluation Methodology

The DOE/WEP reviewed NCR 4477 and determined there was not adequate technical justification for the use-as-is disposition. Specific Group 32 (QI-SP-19) was formed by DOE/WEP to assure that the disposition of NCR 4477 was correct. The DOE/WEP wrote Assessment Plan 032 (Reference 7.4) to perform a 100% visual examination per Standard Practice (SP) WEP 3.2.3, Form 305 (Reference 7.5). Visual examination was performed per Examination Package 032-0001 (Reference 7.6).

5. Findings

Visual examination of the welds revealed two undersize fillet welds. The two deficient welds were reported by DOE/WEP Deviation Report 032-0001 (Reference 7.7).

Following initiation of the Deviation Reports, TVA performed a SFS analysis which is documented in Report Number WDR 032-0001 (Reference 7.8). The analysis determined that the two welds were acceptable to support the load required and are suitable for service as constructed. DOE/WEP Engineering reviewed the SFS analysis (per SP WEP 3.3.1, SFS Evaluation Review) (Reference 7.9) and concurs with TVA's conclusion.

6. Conclusions

The SFS analysis determined that the welds involved will perform satisfactorily. Since only two welds were involved and both were reinspected, no further DOE/WEP action is required on this group.

DOE/WEP considers this group closed.

7. References

7.1 Original Quality Indicator as listed in Section 1.

7.2 TVA Drawing 70-1CC-R487.

7.3 TVA WBNP QCI 1.02, Control of Nonconforming Items.

7.4 DOE/WEP Assessment Plan 032, Revision 2, April 10, 1986.

7.5 DOE/WEP Standard Practice WEP 3.2.3, Form 305, Visual Examination Record for NCIG-01 Welds.

WEP

Closure
Statement

Evaluation
Report

QUALITY INDICATOR GROUP CLOSURE

INCOMPLETE TECHNICAL JUSTIFICATION
FOR WELD ACCEPTANCE ON SEISMIC PIPE
SUPPORT 70-1CC-R487

WEP GROUP IDENTIFIER QI-SP-9

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- 7.6 DOE/WEP Examination Package 032-0001.
- 7.7 DOE/WEP Deviation Report 032-0001.
- 7.8 DOE/WEP Suitability for Service Analysis WDR 032-0001.
- 7.9 DOE/WEP Standard Practice WEP 3.3.1, Suitability for Service Analysis Review.

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