

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT
REGION IV

Report No. 99900070/79-01

Program No. 51300

Company: Associated Piping and
Engineering Corporation
1707 West Compton Boulevard
Compton, California

Inspection Conducted: April 2-5, 1979

Inspector *for* *D. M. Hunnicutt* 4/26/79
H. W. Roberds, Contractor Inspector, Vendor Date
Inspection Branch

Approved by: *D. M. Hunnicutt* 4/26/79
D. M. Hunnicutt, Chief, Components Section II, Date
Vendor Inspection Branch

Summary

Inspection on April 2-5, 1979 (99900070/79-01)

Areas Inspected: Implementation of 10 CFR 50, Appendix B criteria and applicable Codes and/or standards including actions on previous inspection findings, qualification of nondestructive examination personnel, nondestructive examination (liquid penetrant), nondestructive examination (radiography) and nondestructive examination (magnetic particle). The inspection involved twenty-eight (28) inspector-hours on site.

Results: In the five (5) areas inspected, no apparent deviations or unresolved items were identified.

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Details

A. Persons Contacted

- *H. A. Anderson, Executive Vice President
- *R. L. Jordan, Quality Assurance Manager
- M. Shanklin, Engineering Manager
- *A. A. Schwarz, Assistant to the Executive Vice President
- T. R. Duckworth, Chief Inspector

*Denotes those attending the exit interview.

B. Actions on Previous Inspection Findings

(Closed) Deviation (Inspection Report No. 78-02): Reaudit of areas found deficient during internal audit not performed.

The inspector verified that the required follow-up audits had been performed and a review of the internal audit file did not reveal a similar discrepancy.

C. Qualification of Nondestructive Examination Personnel

1. Objectives

The objectives of this area of the inspection were to verify that:

- a. The employer, Associated Piping and Engineering Company (AP&E), has developed a written practice for control and administration of NDE personnel training, examination and certification.
- b. Personnel records are complete and are current.
- c. Personnel performing nondestructive examinations have current eye examinations as defined in SNT-TC-1A.

2. Method of Accomplishment

The preceding objectives were accomplished by:

- a. Review of Section 6.0 of the QA Manual, Revision 0, "Non-destructive, Visual and Dimensional Examination."
- b. Review of Standard Practice Procedure SPP0-601, "Nondestructive Examination Personnel Qualification."

- c. Review of six (6) personnel certification and qualification record packages including results of eye examinations.
- d. Interviews with cognizant personnel.

3. Findings

Within this area of the inspection, no deviations from commitments or unresolved items were identified.

D. Nondestructive Examination (Liquid Penetrant)

1. Objectives

The objectives of this area of the inspection were to verify that:

- a. Nondestructive examination is performed in accordance with approved procedures.
- b. Nondestructive examination procedures meet the requirements of Section V of the ASME Code.
- c. Test results are interpreted by qualified personnel.

2. Method of Accomplishment

The preceding objectives were accomplished by:

- a. Review of Section 6.0 of the QA Manual, Revision 0, "Non-destructive, Visual, and Dimensional Examination."
- b. Review of Standard Practice Procedure SPPQ-201, Revision 0, dated January 10, 1977, "Liquid Penetrant Examination."
- c. Observation of an in-process penetrant inspection on Job No. F-20137-A, S/N I-7662.
- d. Interviews with cognizant personnel.

3. Findings

Within this area of the inspection, no deviation from commitments or unresolved items were identified.

E. Nondestructive Examination (Radiography)

1. Objectives

The objectives of this area of the inspection were to verify that:

- a. Nondestructive examination is performed in accordance with approved procedures.
- b. Nondestructive examination procedures meet the requirements of Section V of the ASME Code.
- c. Test results are interpreted by qualified personnel.

2. Method of Accomplishment

The preceding objectives were accomplished by:

- a. Review of Section 6.0 of the QA Manual, Revision 0, "Non-destructive, Visual, and Dimensional Examination."
- b. Review of Standard Practice Procedure SPPQ-501, Revision 4 of August 18, 1978, "Radiographic Examination."
- c. Observation of radiography being performed on Job No. F-20137-A.
- d. Review of nine (9) production radiographs on Job No. F-20137, S/N J-7664.
- e. Interviews with cognizant personnel.

3. Findings

Within this area of the inspection, no deviations from commitments or unresolved items were identified.

F. Nondestructive Examination (Magnetic Particle)

1. Objectives

The objectives of this area of the inspection were to verify that:

- a. Nondestructive examination is performed in accordance with approved procedures.

- b. Nondestructive examination procedures meet the requirements of Section V of the ASME Code.
- c. Test results are interpreted by qualified personnel.

2. Method of Accomplishment

The preceding objectives were accomplished by:

- a. Review of Section 6.0 of the CA Manual, Revision 0, "Non-destructive, Visual, and Dimensional Examination."
- b. Review of Standard Practice Procedure SPPQ-301, "Magnetic Particle Examination."
- c. Examination of calibration status of magnetic particle test equipment.

3. Findings

Within this area of the inspection, no deviations from commitments or unresolved items were identified.

G. Exit Meeting

The inspector met with the management representatives denoted in paragraph A above on April 5, 1979, at the conclusion of the inspection. The scope of the inspection was discussed with the management representatives present.