COMANCHE PEAK STEAM ELECTRIC STATION
UNIT 2
CODE CONTROL PROGRAM
ASME III DIVISION 1

EBASCO

TU ELECTRIC

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THIS SECTION ACCEPTED BY EBASCO AUTHORIZED INSPECTION AGENCY:

AUTHORIZED SIGNATURE

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DATE

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1.0 GENERAL

1.1 The Project Quality Assurance Program Manager (PQAPM) for Code Control Group (CCG) activities is responsible for overviewing the Installer's Code installation activities at Comanche Peak Steam Electric Station (CPSES) Unit 2 to establish an additional level of assurance of compliance with Project Code commitments. The overview shall include reviews of activities that have been and are currently being performed. The reviews will identify and take credit for those activities which meet the intent of the Program. Overview of these activities will ensure consistent satisfaction of the requirements of the Program. The reviews will also identify any activities requiring increased emphasis to assure compliance with Project Code commitments. These reviews shall be documented in accordance with methods described in this Section.

1.2 CCG activities will not diminish the Code responsibilities of the Installer nor infringe on those activities required by the Code to be performed by an ASME Certificate Holder.

2.0 VERIFICATION OF INSTALLER QUALITY ASSURANCE PROGRAM

CCG shall review the Installer's Quality Assurance (QA) Program manual and applicable procedures for consistency with Project Code commitments. A controlled copy of the Installer's QA Program manual and implementing procedures shall be maintained by the PQAPM for this purpose. CCG shall also assess the reviews performed by TU Electric QA to determine whether more or less emphasis should be placed on specific attributes during CCG's review.

3.0 VERIFICATION AND SURVEILLANCE OF REQUIRED TRAINING

3.1 The Installer is responsible for the indoctrination and training of personnel in accordance with its QA Program.

3.2 CCG shall verify that the Installer's personnel who are performing Code activities have been appropriately indoctrinated and trained in assigned functions and responsibilities required by the Installer's QA Program including implementing procedures and Project Code commitments.

4.0 VERIFICATION OF INSTALLATION ACTIVITIES

4.1 The Installer is responsible for the fabrication and installation of components and their associated supports, parts, appurtenances, subassemblies, etc. CCG shall perform reviews, verifications, surveillances and/or selected overview inspections by direct monitoring of the Installer's inspection forces to assure compliance with design specifications, construction procedures, design drawings, their QA Program and Project Code Commitments. CCG's assessment of the Installer's activities will include a review of other verifications already performed on the Installer.

4.2 Responsibilities of the Installer include but are not limited to the following:

4.2.1 Procurement Control

- Procurement of all Code items.
- Performance of bidder survey and qualification, and inspection at seller facilities.
- Seller audits.
- Documentation of nonconformances.

4.2.2 Receiving Inspection, Identification, Storage And Handling Control

- Receiving inspection.
- Item identification, storage, preservation and handling.

4.2.3 Welding and Brazing Control

- Compliance with approved procedures.
- Weld end preparation.
- In-process and final weld inspection.
- Weld rework and repairs.
- Welding qualifications.

4.2.4 Bolted Joints

- Verification of proper material.
- Verification of inspection tools.
- Compliance with torquing requirements.

4.2.5 Heat Treatment Operations

- Compliance with approved procedures.
- Verification of equipment calibration.
- Verification of cumulative time at temperature.

4.2.6 Nondestructive Examination

- Personnel qualifications.
- Procedure qualifications.
- Result of inspection.

4.2.7 Control of Measuring and Test Equipment (M&TE)

- Compliance with calibration procedures.
- Control and recalibration of M&TE.

4.2.8 Fabrication and Installation Inspection

- Control of Code fabrication and installation activities.
- Completed installation verification activities.

4.2.9 Identification and Control of Nonconformances

- Identification and processing of nonconformances.
- Control and segregation of nonconforming items.
- Controls for storing in place, installing or using nonconforming items.

4.2.10 Control of Installer's QA Documents/Records

- Compliance with approved procedures.
- Verification of retrievability.

5.0 VERIFICATION AND PARTICIPATION IN PRESSURE TESTING

5.1 CCG shall witness Code pressure tests and verify that they are performed in accordance with the Installer's QA Program, the design specification, approved pressure test procedures and in compliance with Project Code commitments. The CCG shall notify EBASCO's ANI of pressure testing and afford him the opportunity to monitor activities.

5.2 When component pressure testing has been deferred until the system is pressure tested at the site, CCG shall verify that the component manufacturer has been notified of the upcoming pressure test to allow his representative to witness and accept the test as the pressure test for the component and to N-stamp the component.

6.0 REVIEW OF DOCUMENTATION

Installer documentation that is referenced in procedures and utilized for the certification of ASME systems shall be reviewed during surveillances performed by the CCG for compliance with Project Code commitments. Final documentation assembled for the Code activities in support of N-5 certification shall be reviewed by the CCG in accordance with Section 11 of the Manual.

7.0 OVERVIEW REPORTING

The results of CCG surveillances/overviews conducted in accordance with this Section, including unsatisfactory conditions, shall be documented on a Surveillance Report, Exhibit 15.6 and controlled in accordance with CCG Project Procedures. Unsatisfactory conditions identified by CCG shall be assigned for resolution by the responsible organization in accordance with established CPSES procedures. If at the time of Surveillance Report issuance an unsatisfactory condition is not resolved by the responsible organization in a manner acceptable to the CCG, CCG shall initiate, as appropriate, a Surveillance Observation Form (SOF), Exhibit 15.6 and/or a TU Evaluation (TUE) Form in accordance with Section 9 of the Manual.