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

EBASCO

TU ELECTRIC

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DATE

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1.0 GENERAL

The purpose of this Section is to indicate how Comanche Peak Steam Electric Station (CPSES) organizations performing Code-related activities are functionally organized in relation to the Code Control Group (CCG) overview and coordination responsibilities.

2.0 CPSES ORGANIZATIONS PERFORMING ASME-RELATED ACTIVITIES

2.1 Stone & Webster Engineering Corporation (SWEC), as the Project Systems Engineering Contractor, has been designated as the Engineering Organization (Ref.: ASME Code Section III, Table NA 3120-1, Item 7a) responsible for the overall implementation and management of engineering activities required to support the certification of CPSES Unit 2 N-5 Code Data Reports. SWEC is responsible for certifying the Piping Design Specifications and signing N-5 Code Data Reports as the Piping System Designer for Code Class 2 and 3 systems. In addition, SWEC is responsible for verifying equipment qualifications to the Design Specification criteria for Code Class 2 and 3 components not furnished by Westinghouse. When piping-induced loading conditions exceed original component qualifications, SWEC is responsible for resolving these inconsistencies.

2.2 Westinghouse Electric Corporation (WEC), as the Project NSSS Engineering Contractor, has been designated the Engineering Organization (Ref.: ASME Code Section III, Table NA 3120-1, Item 7a) responsible for design and analysis of Class 1 piping systems and Class 1 equipment supports on CPSES Unit 2. WEC is responsible for performing engineering, design and stress analysis of all piping and pipe supports within the Code Class 1 stress problem boundaries, generation of the Stress Reports for the Class 1 piping systems and certification of the Class 1 systems N-5 Code Data Reports as Piping System Designer. As a supplier of Code Class 1, 2, and 3 components and component supports, WEC is also responsible for the qualification of those components and component supports to the loading and environmental conditions defined in the Design Specifications.

2.3 Bechtel Corporation (BEC), as the Project Pipe Stress and Supports (PSAS) Engineering Contractor, is responsible for performing engineering, design and stress analysis of all piping and pipe supports within the Code Class 2 and 3 stress problem boundaries. In addition, BEC is responsible for certifying the Pipe Support Design Specifications.

2.4 Impell Corporation (IM) as the Project Civil/Structural Engineering Contractor, is responsible for identifying external loadings on Code Class 2 and 3 systems/components due to postulated in-plant hazards (ie., high energy line breaks, moderate energy line breaks, and seismic/non-seismic interactions). IM is also responsible for verification of EQ rerating qualifications of ASME III components for piping-induced mechanical loadings, for verification of seismic design data, and verification of building structural adequacy under system-induced loadings at N-5 system jurisdictional boundary locations.

2.5 TU Electric Design Engineering Organization (DEO) is responsible for verifying radiation zone conditions used as input for the qualification of ASME III systems/components and for establishing radiation conditions for piping systems outside of the containment building.

2.6 Brown & Root (BR) as the site ASME NA and NPT Certificate Holder for CPSES Unit 2 is responsible for the procurement, receipt inspection, field fabrication, installation, and final inspection of Code components and component supports including piping system pressure testing in accordance with its Quality Assurance (QA) Program.

2.7 TU Electric is the Owner and as such is responsible for the coordination of activities on the CPSES project. CCC interfaces with the Owner for the following key activities:

- Establishment of system priorities for completion and certification.
- Generation of overall N-5 schedule.
- Coordination with the Texas Department of Licensing and Regulation (TDLR) and the Nuclear Regulatory Commission (NRC).

- Performance of Owner's review of Stress Reports.
- Certification and issuance of the N-3 Code Data Report.

3.0 CODE CONTROL GROUP ACTIVITIES

3.1 GENERAL

3.1.1 TU Electric has designated EBASCO as the Owner's Agent as defined in ASME Section III for overview and coordination of Code activities at CPSES Unit 2 (Ref.: ASME Code Section III, Table NA 3120-1, Item 13, Footnote 7). The purpose of this designation is to establish a single organization to overview and coordinate the multiple organizations involved in the Code certification process and provide an additional level of assurance that all parties meet Project Code commitments using control measures which provide sufficient reviews, surveillances, verifications, audits and selected overview inspections.

3.1.2 EBASCO has established the Code Control Group (CCG) which is organized as shown in Exhibit 15.2 to accomplish this task as defined in the TU Electric document " Scope of Work for On-site Services Unit 2 Code Control Program". The CCG will interface with multiple organizations involved with Code work to accomplish the necessary overview and coordination.

3.2 CCG PROJECT INTERFACE AND FUNCTIONAL ORGANIZATION

This overview and coordination program requires CCG interfaces with the other CPSES organizations which results in a functional organization as shown in Exhibit 15.3.

3.3 RESPONSIBILITY

3.3.1 The Project Quality Assurance Program Manager (PQAPM) for CCG activities is responsible for implementation of these overview and coordination activities.

3.3.2 In the performance of CCG activities, the PQAPM may request the support of EBASCO Corporate office personnel.