

Pressure Piping Fabrication Requirements and Quality Control Seminar

Seminar overview

The objective of the 2 day seminar is to provide information to the fabricators, engineering companies and users of Pressure Piping Systems about the requirements of the Safety Codes Act, Regulations, applicable ASME piping codes and to provide awareness and guidance for the effective implementation of a Quality Management System, thereby, helping to construct safe piping systems.

A thorough understanding of the requirements of the Regulations and ASME Codes promotes the construction of piping systems that are safe and reliable, prevents failures and online time.

Who should attend?

- **Pressure Piping Fabricators:** Production Managers, QC Managers, QC Inspectors
- **In-Service Pressure Equipment Owners:** Plant engineering and maintenance personnel, inspectors, reliability engineers
- **EPC:** Engineering personnel, designers, quality control personnel
- **Inspection Companies:** Reliability engineers, inspectors

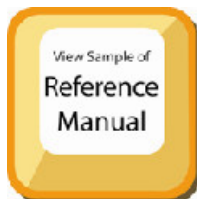
What will you learn?

At the conclusion of the course, the attendees will have an understanding of the:

- pressure piping requirements of the Safety Codes Act, Regulations and CSA B51 Code.
- responsibilities of the manufacturers, owners and designers under the Act and the Codes.
- CRN, PP Number, ECRB and ABSA's jurisdictional boundaries.
- ASME B31.3 Code requirements for design, materials, fabrication, examination and testing.
- application of ASME B31.1 Code, boundaries and inspection requirements.
- pressure piping requirements of ASME B31.5, B31.9, CSA B52, ANSI K61.1, NFPA 58 and 59.
- application of ASME Section IX to WPS's and Performance Qualification Cards.
- ISO Quality Concepts.
- Design of a quality manual for the construction of piping, links to procedures and implementation. Each quality element will be reviewed in detail and related to relevant ASME B31.3 Code requirements.
- NDE, PWHT, MTR's and verification of the reports and charts.
- inspection controls and responsibilities.
- control of quality documents and maintenance of a **Project File**.
- completion of Construction Data Report Forms AB-83, AB-83F and AB-81.

Training Materials and Delivery

Each participant will be provided with the following training materials:



Click on the button to view.

Reference Manual: A 300 page plus Reference Manual covers Regulations, CSA B51 Code, ASME B31.3 Code, ASME B31.1 Code, WPS's and PQ Cards, ISO Quality Concepts and Quality Management System for the construction of Pressure Piping, Safety Alerts and Code Interpretations.

Project File: Contents of the sample Project File are reviewed during exercises to learn about various construction documents and the best practices used by the industry.

The number of participants is limited to 15 to assure proper attention to each attendee. The training is delivered by 2 instructors.

Training Aids

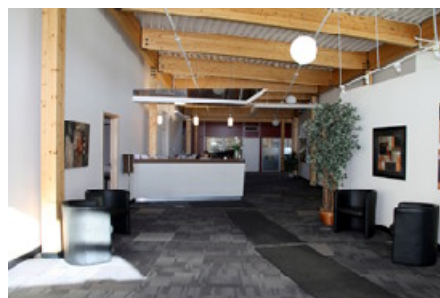


Piping Module is utilized to conduct exercises during the course:

- verify heat numbers and identification of materials
- verify identification of welds by the welders
- verify identification of welded joints for RT
- learn application of ASME B31.3 Code's Acceptance Criteria Table 341.3.2 to check weld quality
- visual inspection to verify overall quality of workmanship and conformance to the engineering design

RT Room is used to review radiographs and verify against the minimum requirements of the ASME Code section V. A Radiographic Report is verified against the ASME Code Section V and construction drawings to confirm conformance and adequate coverage for welders and repairs.

Facilities



Seminar Cost

\$1071.00 per person (plus GST)

Schedule & Registration

www.absa.ca/TrainingNews.aspx

Location

9410 – 20 Avenue, Edmonton, Alberta, Canada

Contact

For further information, please contact ABSA at:
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