

Training Title

ASME B31.3 PROCESS PIPING CODE

Training Duration

5 days

Training Date

REF					
AS001	ASME B31.3 Process Piping Code	5	19 - 23 May 2025	\$5,500	Dubai, UAE

In any of the 4 or 5-star hotels. The exact venue will be informed later.

Training Fees

- \$5,500 per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Lunch

Training Certificate

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

TRAINING OVERVIEW

TRAINING DESCRIPTION

This course will stress the practical application of modern techniques in well test analysis, with a special emphasis on the pressure derivative. Various pressure analysis techniques will be used to analyze flow tests, buildup tests with or without phase redistribution, multi-rate tests, interference tests, and pulse tests. Interpretation of pressure tests under multiphase flow conditions, hydraulically fractured wells, naturally fractured reservoirs, slanted wells, and horizontal wells will be discussed in great detail. Participants will be introduced to the TDS technique, which is an alternative option to type-curve matching technique, convolution, and regression analysis. The manual includes step-by-step procedures to interpret pressure transient tests, such that participants will be able to immediately apply the knowledge and skills gained to their job assignments upon course completion. Concepts will be illustrated by several daily Excel-based exercises and workshops.

TRAINING OBJECTIVES

To provide skills, knowledge and understanding of the pressure vessel life cycle from concept, design, fabrication, operational life, inspection and repair. Familiarize participants with the tools and techniques for implementing an economical pressure vessel integrity program. Operation practices to optimize vessel service life.

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WHO SHOULD ATTEND

Mechanical, Process, Plant and Inspection engineers as well as middle management, Supervisors, Superintendents

TRAINING METHODOLOGY

A highly interactive combination of lecture and discussion sessions will be managed to maximize the amount and quality of information, knowledge and experience transfer. The sessions will start by raising the most relevant questions and motivate everybody to find the right answers. The attendants will also be encouraged to raise more of their own questions and to share developing the right answers using their own analysis and experience.

All attendees receive a course manual as a reference.

This interactive training workshop includes the following training methodologies.

30% Lectures

30% Workshops and work presentation

20% Group Work & Practical Exercises

20% Videos & General Discussions

COURSE OUTLINE

- ✓ Welcome & Introduction
- ✓ Introduction to pressure vessels
- ✓ Pressure Vessels Inspection to ASME VIII Div.1
- ✓ Pressure Vessels Inspection to ASME VIII Div.1
- ✓ Pressure Vessels Inspection to ASME VIII Div.1

- ✓ Review
- ✓ Exercise with Review
- ✓ Hydrostatic Head Pressure
- ✓ Hydrostatic Head Calculations
- ✓ Hydrostatic - Pneumatic Tests
- ✓ Postweld Heat Treatment

- ✓ ASME Section IX Overview
- ✓ Writing a Welding Procedure Specification
- ✓ Writing a Welding Procedure Specification (Cont.)
- ✓ Welder's Qualification
- ✓ Welder Testing and Qualification

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- ✓ ASME Section - V NDE
- ✓ Corrosion Calculations
- ✓ Materials, Name Plates, and Data Reports
- ✓ Inspection and causes of Deterioration

NOTE:

Pre & Post Tests will be conducted.

Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.



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