ASME B31.3 Process Piping

Venue: Mintek, Johannesburg

Presenter: Glynn E. Woods

R 13,250 **22-25 November 2010** **4 CPD points**

What you will learn
The lack of commentary, or historical perspective, regarding the B31.3 Code requirements for process piping design and construction is an obstacle to the designer, manufacturer, fabricator, supplier, erector, examiner, inspector, and owner who want to provide a safe and economical piping system. This intensive four day course, through the use of hundreds of examples shown and personal experiences of the instructor, demonstrates how the B31.3 Code has been correctly and incorrectly applied.

This seminar explains the principle intentions of the Code and why the Code is not a handbook. Attendees come away from this seminar with a clear understanding of how piping systems fail & what the Code requires the designer, manufacturer, fabricator, supplier, erector, examiner, inspector and owner to do to prevent such failures. The focus of the seminar is to enhance participants' understanding and application of the B31.3 Code. Instruction is further enhanced by in-class problem solving, directly applying the rules and equations of the B31.3 Code for specific design and operating conditions to illustrate correct applications.

About the Presenter
Glynn E. Woods, P.E. is the Course Director for the ASME B31.3 Code Design Seminars for ASME Continuing Education Institute of New York. He is a consultant with experience in piping design, stress, supports, and failure analysis as well as piping component design, analysis and testing. For more than 20 years, he has been providing this expertise for both new and operating petrochemical and power plants using computer evaluations and field experience in arriving at safe, economical piping designs and solutions to piping problems. Mr. Woods is a member of ASME B31.3 Process Piping Committee and the ASME B31 Mechanical Design Committee

As a member of the ASME B31.3 Process Piping Code Committee, he had the responsibility of interpreting and writing these Codes for pressure piping design and components. This experience is further accented by several hands-on research projects with the scope of determining the pressure and fatigue adequacy per ASME Code rules of proprietary piping components.

These piping design seminars have been prepared and presented to piping engineers and designers across the United States, Canada, Mexico, United Kingdom, Saudi Arabia, United Arab Emirates, and Indonesia.

Who should attend
Piping engineers & designers who need an understanding of the requirements for compliance and the trends of Code changes for piping design and analysis, fabrication, examination, and testing.

Special Requirements
Attendees are required to bring a **scientific calculator**. The latest edition of the **ASME B31.3 Process Piping Codebook** is also required for this course. If your organisation already has a copy, please bring it along. Otherwise you can order a copy from 2KG Training for R4000.

Course Outline

Day 1

Morning
1. History of Codes
2. Definitions
3. Consideration of Design

Afternoon
4. Pressure Design of Piping and Piping Components

Day 2

Morning
5. Continue Pressure Design of Piping and Piping Components

Afternoon
6. Piping Flexibility Analysis

Day 3

Morning
7. Piping Flexibility Analysis

Afternoon
8. Limitations of Piping and Piping Components
9. Pipe Supports

Day 4

Morning
10. Pipe Supports

Afternoon
11. Leak Testing
12. Piping Failures and Their Causes

* Daily topics may be presented in a different order based on instructors judgement

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Registration Form

Mintek, Johannesburg **22-25 November 2010**

How to enroll:
1) Complete this registration form and fax it to **Phindi Mbedzi** (see details below)
Tel: 011 325 0686 **Fax:** 011 325 0488 **Email:** phindi@2kg.co.za
2) Acknowledgement will be faxed or emailed to you.
3) Final confirmation and details will be faxed or emailed to you approximately 7 days before the commencement of the seminar.

Conditions of entry:
1) Cancellations are accepted **in writing** and without penalty, up to 7 working days prior to commencement of the seminar.
2) Delegates cancelling **in writing** less than 7 working days prior to commencement of the seminar will be liable to pay 20% cancellation fee.
3) If prior **written** notification of cancellation is not received, defaulter will be liable to pay 50% cancellation fee.
4) In case of insufficient applications for the workshop 2KG reserves the right to cancel the seminar. Applicants will be informed and all fees will be refunded immediately.

Delegate Information

Title: ..... Surname:..... Name:.....

Full Company Name:..... Job Title:.....

Postal address (to which invoice must be sent): VAT number:.....

.....

..... Code:.....

Tel: ( )..... Fax: ( ).....

Cell:..... Email:.....

Contact / Accounts Information

Title: ..... Surname:..... Name:.....

Tel: ( )..... Fax: ( ).....

Cell:..... Email:.....

Preferential Rates
5 or more attending

☐ 10% off - R11,925,00

Course Rates
4 Day Seminar 22-25 November 2010

☐ R13,250,00

The above price excludes VAT @ 14%

I have read and agreed to all the conditions of enrolment as stipulated in this brochure.

_____ _____
Signature Date