



FE155: Gas Controller Training for Distribution/Transmission (Part of CGTP)

Training Description:

The Final Rule for Control Room Management, effective February 1, 2010, is an amendment to the Federal pipeline safety regulations to address human factors associated with control room operations. It also requires operators to establish a training program for controllers to carry out their roles and responsibilities, recognize and respond to abnormal operations, and understand the operation of the pipeline system.

During this intensive training course, get a fundamental understanding of natural gas equipment, how it operates, and how it impacts the pressure and flow of gas. This is an interactive workshop with both computer simulations to demonstrate basic gas hydraulics and scenarios of abnormal operating conditions that controllers must recognize and respond to. The simulations are supported by DNV GL Pipeline Simulation software developed by GL Noble Denton.

Each participant is encouraged to bring their own laptop for practical exercises.

Training Designed for:

This course is intended for Gas controllers, Supervisors and managers responsible for gas control, Other gas control support staff and those Employees of companies that provide technical services and products related to gas control.

Training Program:

FIVE DAYS:

- ❖ Measurement Units
- ❖ Industry Material
- ❖ Basic Pipeline Hydraulics
- ❖ Pipelines (Fundamentals; Maintenance; Operations; Pipeline Integrity)
- ❖ Pipeline Model and Map
- ❖ Regulation (Types of Regulation and Basic Operations; Over-pressure Protection Requirements; Abnormal Operations)
- ❖ Compression
- ❖ Measurement
- ❖ Storage
- ❖ Abnormal Operations and Hydraulic Signature
- ❖ Energy Devices Gas Quality Gas Conditioning Equipment
- ❖ SCADA
- ❖ Practical Session
 - This hands-on and includes simulation, real-life case studies and exercises
- ❖ Course Conclusion
- ❖ POST-ASSESSMENT and EVALUATION

Training Requirement:

"Hands-on practical sessions, equipment and software will be applied during the course if required and as per the client's request." Each participant is encouraged to bring their own laptop for practical exercises.

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client's learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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