

WebCorr Corrosion Consulting Services Presents

Corrosion Management in the Oil and Gas Industry

Date: As published on website Venue: As published on website

Course Overview

Corrosion management is the part of the overall management system that develops, implements, reviews and maintains the corrosion management policy and strategy and includes a clear set of corrosion management system requirements. This 2-day course covers best industry practices for the management of corrosion in the oil and gas industry with the objectives of:

- (1) reducing the number of corrosion related hydrocarbon releases and other safety related and environmentally damaging outcomes;
- (2) identifying good practices for setting up an optimal corrosion management scheme, and
- (3) providing an overview of the top corrosion threats to production and processing facilities downstream of the wells.

This corrosion course is available for in-house training, online and distance learning worldwide. It can also be customized to meet the specific needs of your organization.

Who Should Attend

Oil and gas facility owners and operators, managers of operations, safety, engineering and maintenance functions, asset integrity engineers and those who wish to become involved in corrosion management.

Course Outline

- 1 Introduction to Corrosion Management
 - 1.1 Overview of Top Corrosion Threats Their Mitigation Methods
 - 1.1.1 CO₂ corrosion
 - 1.1.2 H₂S corrosion and cracking
 - 1.1.3 O₂ corrosion of seawater and water injection systems
 - 1.1.4 Microbially influenced and dead leg corrosion
 - 1.1.5 Galvanic corrosion



- 1.1.6 Weld corrosion
- 1.1.7 Grooving corrosion of pipelines
- 1.1.8 Crevice and flange face corrosion
- 1.1.9 External corrosion
- 1.1.10 Corrosion under insulation
- 1.1.11 Stress corrosion cracking
- 1.1.12 Erosion and erosion corrosion
- 1.1.13 Fatigue and fretting
- 1.1.14 Acid corrosion and Liquid Metal Embrittlement (LME)
- 1.2 Corrosion Engineering (CE) vs Corrosion Management (CM)
- 1.3 Why Manage Corrosion?
- 1.4 Structured Framework for Corrosion Management
- 1.5 Risk Control Systems
- 2 Corrosion Management Policy and Strategy
 - 2.1 Purpose
 - 2.2 Scope
 - 2.3 Expectations
 - 2.4 Best Practice
- 3 Corrosion Management Organisations
 - 3.1 Purpose
 - 3.2 Scope
 - 3.3 Team Members
 - 3.4 Control, Communication, Competence and Co-operation
- 4 Corrosion Management Planning & Implementation
 - 4.1 Purpose
 - 4.2 Scope
 - 4.3 Existing Assets or New Build

Course Outline

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| <ul style="list-style-type: none"> 4.4 General 4.5 Corrosion Risk Assessment 4.6 Risk Based Inspection 4.7 Planning 4.8 Implementation 4.9 Data Gathering & Storage 4.10 Data Analysis 4.11 Reporting 4.12 Corrective Action 5 Monitoring and Measuring Performance <ul style="list-style-type: none"> 5.1 Purpose 5.2 Scope 5.3 Responsibility 5.4 Frequency 5.5 Setting Performance Measures 5.6 Proactive and Reactive Measurement of Performance 6 Review Performance | <ul style="list-style-type: none"> 6.1 Purpose 6.2 Scope 6.3 Frequency 6.4 Corrective Action 6.5 Review Procedures 7 Audits <ul style="list-style-type: none"> 7.1 Purpose 7.2 Scope 7.3 Responsibility 7.4 Current Best Practice 8 Conclusions on Framework Methodology 9 Examples of Risk Control Systems and Associated Activity Assessments 10 Sample Checklist For Assessment Of Corrosion Management System For Offshore Processing Facilities 11 Glossary of Terms and Abbreviations 12 End-of-Course Exam |
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Course Registration

Please register online at www.corrosionclinic.com
 Or use the form below (photocopies of this form may be used for multiple bookings).

Dr/Mr/Ms _____
 Organization _____
 Contact Person _____
 Contact Dept _____
 Tel _____ Fax _____
 Email _____

Payment should be made by TT or online banking. Currencies in Australian Dollar, Canadian Dollar, US Dollar, Euro and Sterling Pound can be transferred directly without conversion. Our bank details can be found at the link below:

<http://www.corrosionclinic.com/payment.html>

WebCorr has NACE certified Corrosion Specialist (#5047) providing customized in-house training, online and distance learning corrosion courses, corrosion seminars and workshops on corrosion, materials, metallurgy, paints and metallic coatings. Our corrosion courses are developed and taught by NACE certified Corrosion Specialist with over 30 years of practical experience in the field. Our training success is measured by your learning outcome.

Course Fee and Discount

Standard: \$3,500 **Discount:** \$3,150

The fee includes a hardcopy of course note, certificate, light lunch, coffee breaks each day during the course.

Discount applies to a group of 3 or more persons from the same organization registering at the same time, or early-bird making payment at least 8 weeks before the course commencing date.

Cancellation and Refunds

Cancellation or replacement should be conveyed to WebCorr in writing (email or fax). An administration charge of 50% of the course fee will be levied if the cancellation notice is received from 14 to 7 days before the course commencing date. No refund will be made for cancellation notice received 6 days and less. No refunds will be given for no-shows. Should WebCorr find it necessary to cancel a course, paid registrants will receive full refund. Refund of fees is the full extent of WebCorr's liability in these circumstances.

