

WebCorr Corrosion Consulting Services Presents

Full-Life Cycle Integrity Management for Onshore Pipelines

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

Course Overview

This course covers the integrity of onshore petroleum and natural gas pipelines through their entire life-cycle, from design to eventual abandonment. For this reason, considerations relating to design, construction and abandonment have been included. This approach supports the development and implementation of a holistic and integrated pipeline integrity management program that bridges between life-cycle elements and thereby avoids compartmentalizing of the pipeline life-cycle into essentially independent data and functional silos. This course covers a combination of prescriptive and performance-based requirements.

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

Who Should Attend

Pipeline engineers, designers, and QA/QC personnel working in the oil and gas industry who are developing a program for new pipelines or are interested in continual improvement of existing integrity management programs.

Course Outline

1. Introduction
2. International Standards
3. Terms, definitions and abbreviated terms
4. Overview of integrity management program (IMP)
 - 4.1 Key principles
 - 4.2 Integrity management program
 - 4.3 Integrity management process elements
 - 4.4 Management elements
5. Integrity management for the pipeline lifecycle phases
 - 5.1 Introduction
 - 5.2 Key lifecycle integrity processes
 - 5.3 Lifecycle phases for integrity management
6. Risk assessment
 - 6.1 Definition of objectives and requirements
 - 6.2 Team definition
 - 6.3 Segmentation



- 6.4 Threat identification
- 6.5 Probability of failure assessment
- 6.6 Consequence of failure assessment
- 6.7 Risk determination
- 6.8 Reporting
- 6.9 Reassessment
7. Inspection and monitoring
 - 7.1 Inline inspection
 - 7.2 Aboveground inspection
 - 7.3 Non-destructive testing (NDT)
 - 7.4 River crossing inspections
 - 7.5 Monitoring
8. Integrity assessment
 - 8.1 Introduction
 - 8.2 Fitness for purpose
 - 8.3 Pressure test
 - 8.4 Direct assessment
9. Mitigation
 - 9.1 Introduction
 - 9.2 Prevention of mechanical/third party damage
 - 9.3 Corrosion control systems
 - 9.4 Preventing or mitigating releases associated with weather and geophysical events
 - 9.5 Management of unintended releases
 - 9.6 MAOP reduction
 - 9.7 Emergency response
 - 9.8 Defect repair
10. Performance measurement and Improvement
 - 10.1 Introduction
 - 10.2 Performance measurement
 - 10.3 Management review
 - 10.4 System audit

Course Outline

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| <ul style="list-style-type: none"> 11. Data management <ul style="list-style-type: none"> 11.1 Data acquisition 11.2 Data transfer 11.3 Data integration 12. Pipeline integrity management within emergency response planning and failure management <ul style="list-style-type: none"> 12.1 Emergency response planning 12.2 Failure management 13. Pipeline remaining life assessment and abandonment processes <ul style="list-style-type: none"> 13.1 Introduction | <ul style="list-style-type: none"> 13.2 Pipeline remaining life assessment process 13.3 Deactivation and abandonment process 13.4 Life extension and recycle of pipeline 13.5 Uprating 13.6 Reporting 14. Records and documents management 15. Communication 16. Management of change 17. Training and skills 18. End-of-course examination |
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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 _____
 Telephone _____ 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:

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

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-birds 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.

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 35 years of practical experience in the field. Our training success is measured by your learning outcome.

