WebCott Corrosion Consulting Services Presents

API 579-1 / ASME FFS-1 Fitness-For-Service Assessments

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

Course Overview

The Fitness-For-Service (FFS) assessments are quantitative engineering evaluations that are performed to demonstrate the structural integrity of an in-service component that may contain a flaw or damage. This 5-day advanced course provides guidance for conducting FFS assessments using methodologies specifically prepared for pressurized equipment. The guidelines discussed in this course can be used to make run-repair-replace decisions to help determine if pressurized equipment containing flaws that have been identified by inspection can continue to operate safely for some period of time. These FFS assessments are currently recognized and referenced by the API Codes and Standards (510, 570, & 653), and by NB-23 as suitable means for evaluating the structural integrity of pressure vessels, piping systems and storage tanks where inspection has revealed degradation and flaws in the equipment. This 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

Designers, Inspection Engineers, Maintenance Engineers, Plant Inspectors, Mechanical Engineers, and Process Engineers interested in Fitness-for-Service assessments.

Course Outline

1 INTRODUCTION
1.1 What is Fitness-for-Service Assessment?
1.2 The Need for Fitness-for-Service Assessment
1.3 The Benefits of Fitness-for-Service Assessment
1.4 The Multi-disciplinary Nature of Fitness-for-Service Assessment
1.5 Areas of Expertise Required
1.6 Overview of API 579-1/ASME FFS-1
1.7 Where is Fitness-for-Service Assessment Applicable?
1.8 When is Fitness-for-Service Assessment Applied?
1.9 Application Examples of Fitness-for-Service Technology

2 FITNESS-FOR-SERVICE ENGINEERING ASSESSMENT PROCEDURE
2.1 General
2.2 Applicability and Limitations of the Fitness-for-Service Assessment Procedures
2.3 Data Requirements
2.4 Assessment Techniques and Acceptance Criteria
2.5 Remaining Life Assessment
2.6 Remediation
2.7 In-Service Monitoring

3 ASSESSMENT OF EXISTING EQUIPMENT FOR BRITTLE FRACTURE
3.1 General
3.2 Applicability and Limitations of the Procedure
3.3 Data Requirements
3.4 Assessment Techniques and Acceptance Criteria
3.5 Remaining Life Assessment – Acceptability for Continued Service
3.6 Remediation
3.7 In-Service Monitoring
3.8 Worked Examples: Step-by-Step Guide to the FFS Calculation Procedures for Brittle Fracture
# Course Outline

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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.

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