A PRACTICAL COST EFFECTIVE APPROACH TO MITIGATION OF AC CORROSION ON PIPELINES

Why: This training program is an extensive and dynamic one (1) day course that covers a practical cost effective approach for mitigation of AC corrosion, testing, design, corrosion control, and risks of pipelines in High Voltage AC (HVAC) corridors. Lecture and discussion will address the general issues concerning rapid corrosion rates including identification, test procedures, design to reduce the corrosive effects of steady state AC voltages and fault currents. In addition, designs include using the effective materials and installation techniques to reduce the effects of AC for both safety and AC corrosion.

What: The course is geared to provide enough knowledge on the fundamentals of implementing a program as part of the strategy to protect new and existing underground oil and gas pipelines in AC corridors for both the pipeline operator and engineer. It is a mid-level course focusing on the following:

- AC Corrosion and Fault Currents
- AC Testing - Proposed & Existing Pipelines collocated in Power Line Corridors
- Design - Cost Effective Designs of Materials and Installations to Reduce the Effects of AC Corrosion
- Mitigation of AC – Case Histories of Working Systems
- PRCI AC Mitigation Software – Examples of how to Reduce the effects of AC Corrosion

Any person interested in improving their knowledge of AC corrosion and its effects and to control corrosion in AC Power Line corridors, including but not limited to:

Instructor: Joe Pikas

INDUSTRY CORROSION TENURE (43 Years)

- Technical Toolboxes – 2012 to Present
- HDR|Schiff – Senior Corrosion Consultant - 2010 - 2012
- Mistras IMPro Technologies – Vice President of Pipeline Integrity - 2008 - 2010
- Matcor – Vice President of Houston Operations - 2002 – 2008
- Williams Gas Pipelines (Transco) – Pipeline, Corrosion Control, Risk, Integrity, GIS, Pigging, 1966 – 2002

AWARDS

- NACE Distinguished Service Award for 2009.
- Received industry award in 2002 with the Utmost Respect and Gratitude from AGA, GTI, INGAA, NACE, OPS, and PRCI International.
- Received Long Neck Award from Big Inch Marine in the research and development for pre-fabricated isolating flanges.
- Received Brandon Award for Outstanding Service from the Coating Society of the Houston Area.

PAPERS PUBLISHED

Over 40 Papers Published:

From AC Mitigation, Lightning, Cased Casings, Pipe Defect Assessment, Leak Detection, Guided Wave Testing, Coatings, Corrosion Inhibition, MIC, ILI, Risk Assessment, Direct Assessment, GIS to Pipeline Integrity, Coatings and Cathodic Protection, etc.

Where: Technical Toolboxes
3801 Kirby Dr. #501
Houston, TX 77098

Price: $725 per student
CLASS OUTLINE AND DAILY SCHEDULE

Seminar Overview and Objectives
- What is AC Corrosion
- Corrosion Rates
- Morphological Characteristics
- Testing
- Design, Installation and Construction
- Commissioning

AC Testing
- Proposed or New Pipelines
- Existing Pipelines

AC Mitigation and Related Issues
- Mitigation Requirements
- Decoupling
- AC Power Effects
- AC Mitigation Design
- Grounding
- Hazardous Locations

DC Isolation & AC Mitigation
- Applications
- Decouplers
- AC Mitigation
- Hazardous Location Definitions

Mitigation of AC – Case Histories
- Testing
- Nodes
- Discontinuities
- AC Corrosion
- Mitigation Strategy

PRCI AC Mitigation Software
- Faulted Tower
- Pipelines
- ROW Sections

TERMS AND CONDITIONS:

One registration is required per person. Upon receipt of your above registration, an invoice will be generated for payment. Payment is due 30 days from receipt of invoice. Full price of the course fee will be refunded provided written cancellation is received 3 weeks prior to course date. A cancellation after the deadline will receive full credit towards a future date for the same course.

Please complete the attached form and fax to TTI at 713-630-0560

Course Cost: $725 per student

Course Date:

Name:

Company:

Address:

City, State, ZIP:

Country:

Phone/Mobile:

Fax:

E-mail:

Payment by Credit Card

Circle One: VISA MasterCard AMEX

CC Number:

Expiration Date:

Signature*:

* By signing above I commit to paying the course fee when invoiced

713-630-0505 www.ttoolboxes.com