

UNDERSTANDING OF OIL & GAS FACILITY/PIPE ASSET INVENTORY (KNOWN & UNKNOWN)

11 PDHs Available



Why: Oil and Gas Facility assets are designed, engineered, installed and forgotten except when a failure or incident occurs. As operations proceed, 20, 40, 60, +... years, modifications, replacements and additions are made. As time passes, few companies know what facility assets they have and what replacements and changes have been made; let alone where. This training program is an extensive and dynamic one and a half day course that covers a practical cost effective approach for facility pipeline asset inventory. Use of today's electronic tools including GIS & Cloud allows for a comprehensive inventory of pipeline facility(inside the fence) assets.

What: The course is geared to provide enough knowledge on the fundamentals of implementing an asset inventory program as part of a company's comprehensive Integrity Management Program (IMP) & management of change strategy to protect new and existing above and underground oil and gas plant facilities such as pump, compressor, booster, dehydration, separation, meter stations, etc. It is a high to mid-level course focusing on the following:

- Pre-Assessment of Facility
 - Communication with Company Team
 - Review of Drawings
 - Physical Walk Through
- Operational Statuses of Lines
 - Non Operating Lines – Physically Isolated
 - Not In Service Lines – Connected
 - Operating Lines
- Smart Isometric Drawings – Can be used to compare to AutoCAD & Micro Station
- Additional Coordination with Facility Personnel
- Piping Utilization Analysis
 - Threat Matrix
 - Monitoring Technology

- Corrosion Data Management System – RSTRENG, Corrosion Rates, Re-inspection intervals, etc.
- Risk Analysis – Analysis and RoF/CoF
- Recommendations
- Reports

Use of the VisualAIM software as a tool to expedite facility asset inventory, smart iso-drawings and risk based analysis is included.

Who: Any person interested in improving their knowledge of pipeline integrity management including but not limited to; Corrosion, Pipeline and Electrical Engineers, Managers, Supervisors, Consultants, Technicians, Inspectors, Installation Contractors, etc.

Instructor: Joe Pikas

EXPERIENCE

- Technical Toolboxes – VP of Pipeline, Integrity & Corrosion Services
- Schiff Associates – 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) – Various Corrosion Control Positions 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 Lightning, AC Mitigation, Pipe Defect Assessment, Guided Wave Testing, Casings, Coatings, Corrosion Inhibition, MIC, ILI, Risk Assessment, Direct Assessment, GIS to Pipeline Integrity.

Where: TBA
Bali
Indonesia

Personal Laptop is required.

Price: \$900.00US per student



CLASS OUTLINE AND DAILY SCHEDULE

Understanding Facility/Pipe Asset Inventory – A Practical Implementation

Welcome and Opening Remarks

- Introductions
- Participant expectations

Seminar Overview and Objectives

Pre-Assessment

- Communicate with company team
- Review of Drawings
- Physical walk through and verification of all lines, fittings and vessels
 - incoming / receiving lines
 - outgoing / delivery lines
 - manifold or header lines
 - tank lines
 - pump lines
 - relief lines
 - drain lines
 - other lines

Operational Statuses of Lines

- Non Operating Lines – Physically Isolated
- Not In Service Lines – Connected
- Operating Lines

Smart Isometric Drawings (VisualAIM) – Used to compare to AutoCAD & Micro Station

- Field Generated
- In House Drawings

Additional Coordination with Facility Personnel

- Table Top with Company
- Verification of data
- Historical and operational data
- Set up regions and line segments

Piping Utilization Analysis

- Threat Matrix
- Monitoring Technology

Corrosion Data Management System – RSTRENG, Corrosion Rates, Re-inspection intervals, etc.

Risk Analysis – Analysis and RoF/CoF (VisualAIM)

- Time Dependent
- Stable
- Time Independent

Recommendations – Self Generated and Interactive

- Selection of Integrity Assessment Tools
 - GWT, UT, Phased Array, Hydro, Pigging, Indirect Above Ground Tools
 - Mitigation

Reports – Self Generated & Interactive

- Specific
- General

Adjourn



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

Course Cost: \$900US per student

Course Date: 25 & 26 July 2013

Name _____

Company _____

Address _____

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**

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.

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