



API Inspection Summit – *Downstream* Preliminary Program

Tuesday, January 8, 2013:

Engineering/Analysis Track:

Morning Session:

Summit Kick-Off and John Bolton – Former US Ambassador to the UN – Keynote Speaker “Threats to American Security: A Closer Look at the World’s Trouble Spots and How They May Affect Our Energy Supply”

The Importance of MOC in Asset Integrity - Y. Al-Mowalad, Saudi Aramco

Methods to Improve Your Mechanical Integrity Program – W. Rivero, Meridium (previously PDVSA)

Afternoon Session:

Upgrading Mechanical Integrity Programs by Moving from Compliance to Reliability – R. Davis, Mistras

Getting the Most out of your Inspection Data Management System – E. Heard, Valero Energy

Full-scale Testing of Composite Repairs (Case Studies) – J. Bedoya, Stress Engineering Services

Creating and Managing Circuit-Based Piping Inspection Programs – B. McKay, SGS & D. Hendrix, Hendrix Group

Inspection/NDE Track:

Morning Session 1:

Summit Kick-Off and Keynote Speaker - John Bolton – Former US Ambassador to the UN – “Threats to American Security: A Closer Look at the World’s Trouble Spots and How They May Affect Our Energy Supply”

Infrared Inspection Program for Fired Heater Integrity Management - Tim Hill and Rosalind Julian, Quest Integrity Group



Jan. 8 Cont.:

How to Avoid Spills onto Navigable Waters with Rope Access Inspection of Wharf Piping - Steven McGuire, Hawk Rope Access

Morning Session 2

Summit Kick-Off and Keynote Speaker - John Bolton – Former US Ambassador to the UN – “Threats to American Security: A Closer Look at the World’s Trouble Spots and How They May Affect Our Energy Supply”

Tips for Inspecting Difficult to Inspection (Unpiggable) Pipes - Dale Tucker, Quest Integrity Group

What You Need to Know about ASME Section V – How It Relates to API In-Service Inspection Standards and New Developments – Jon Batey, Dow Chemical

Afternoon Session 1

A Near Fatal Incident Involving Small Bore Piping and the Corrective Action Inspection Program- Anthony J. Rutkowski, Equity Engineering Group (retired COP)

Heater Stack Integrity Assessment – Before the Next Big Windstorm- Michael Guillot, Stress Engineering Services

What is the ASNT Doing to Assist the Plant Inspection Efforts? – Danny Keck, ASNT Level III, BP America

Status, Recent Changes and Future Plans for the API Inspector Certification Program – Tina Brisken, API ICP Manager

Afternoon Session 2

MI Inspection during Capital Projects Promotes PSM Compliance, Corrosion Rate Accuracy, and Improved Budgetin - Travis Keener, SGS

Code Quality Inspection through Computerized Radiography - Joe Alonzo, PetroChem Inspection Services

Recent Developments in the Application of NDT for Improved Integrity Management - Mark Stone, Sonomatic Ltd

Improved Vendor Surveillance – Two Case Studies Based on Equipment Failures In-Service - Mr. Mohammad Al- Shaiji, Kuwait Oil Company



Jan. 8 Cont.:

Materials/Corrosion Track:

Morning Session:

Summit Kick-Off and John Bolton – Former US Ambassador to the UN – Keynote Speaker “Threats to American Security: A Closer Look at the World’s Trouble Spots and How They May Affect Our Energy Supply”

In-Situ Weld Repair Techniques and Technology - Darren Barborak, Aquilex Corporate Technology Center

Welding Metallurgy for the Plant Inspector – Jeff Major, Western Refractory

Afternoon Session:

Dealing with Carbonate SCC in Modernized FCCU’s – Steve Bolinger, BP Texas City

PTA SCC Leaks on Incoloy 800 REAC Header Boxes – Art Jensen, Delaware City Refining (PBF Energy)

Case Studies on the HIC Damage Mechanism – Jim McVay, Torsoro Refining and Marketing

The Need for PWHT and Hydrogen Bake-Out for Welding Repairs – Gerrit Buchheim
Leading a Panel Discussion



Wednesday, January 9:

Engineering/Analysis Track:

Morning Session:

Coke Drum Life Extension Issues and Solutions for Inlet Nozzle Problems – Richard Boswell, Stress Engineering Services

Failure Modes and Inspection Needs of Coke Drums - M. Samman & Tim Schmidt, Houston Engineering Solutions

Case Study – Planning and Implementing a Successful RBI Program – M. Harmody, R. Corn, Marathon Petroleum

Case Study – Handling Issues That Arise in a Plant Wide RBI Implementation – S. Bolinger, BP Texas City

Afternoon Session:

Case Study - PRV RBI Analysis Without Using Commercial Software – L. Ward, Siemens

How to Choose the Best RBI Program for Your Plant – Five Key Factors – A. Hilmi, GL Noble

Case Study – Effective Integration of RBI & FFS from Equipment Cradle to Grave – A. Seijas, Phillips66

Demonstrating Value from the RBI Process - Understanding and Managing Uncertainty – Greg Alvarado, Equity Engineering Group

Inspection/NDE Track:

Morning Session 1:

Pipe Hangers/Supports Inspection: What is Involved and What to Look For - Lange Kimball and Britt Bettell, Stress Engineering Services

A New Technique for Quantification of Corrosion at Structural Supports - Gary Kroner, Carbon Steel Inspection, Inc.

Inspection of Raised Face HF Alky Flanges with Phased Array - John Sellers, PetroChem Inspection Services



Jan. 9 Cont.:

A Best in Class Approach to Fixed Equipment Turnaround Management - Nathaniel Ince and Brad Wells, Pinnacle AIS

Morning Session 2:

Field Applications of Long Range Ultrasonic Testing: Benefits and Limitations - Scott Taylor, Conocophillips

EMAT Solutions for In-Service Inspections - Borja Lopez, Innerspec Technologies

EMAT Ultrasonic Guided Wave Inspection of Pipelines - Mark Adams, Spectrum Sales and Services

Practical Applications of Guided Wave Inspection: A Technician's Perspective - Mike Sens, PetroChem Inspection Services

Afternoon Session 1:

Using Risk-Based Approaches to Define and Adjust CMLs, Inspection Techniques and Inspection Intervals - Lynne Kaley, Trinity Bridge and Virginia Edley, SBK Consulting

The Impact of NDE on RBI Inspection Effectiveness - Anthony J. Rutkowski, Equity Engineering Group

Robotic Crack Detection for Delayed Coke Drums using ACFM - Jacqueline Cameron, CIA Inspection Inc

Afternoon Session 2:

The Evolution of the API UT Examiner Qualification into Four Phases – QUTE/QUSE/QUTB/QUPA- John Nyholt, BP

New-Generation Portable Phased Array Systems - Patrick Tremblay, Larry Mullins, Laurent Enenkel, Zetec

Inspection Alternatives for Touch Point Corrosion at Pipe Supports- Mike Wechsler, Mistras Group

Leveraging the Use of Permanently-Mounted High Temperature Wireless UT Sensors - Hamed Bazaz, BP



Jan. 9 Cont.:

Materials/Corrosion Track:

Morning Session:

Understanding and Inspecting for Naphthenic Acid Corrosion – Marc McConnell, Pinnacle AIS

How to Handle the Corrosion Aspects of Opportunity Crudes – Hearl Mead, Shell Global Solutions

Case Study of an Unusual Lower Temperature Naphthenic Acid Corrosion Failure – Mike Urzendowski, Valero

Solving Overhead Corrosion Problems – Successful Case Studies – George Duggan, Baker Hughes Corp.

Afternoon Session:

Highlights of API 939C – Avoiding Sulfidation Failures - Gerrit Buchheim, Consultant, Panel Discussion Leader

Sulfidation of Low Silicon Components - Case Study – Clay White, Phillips66 Inspection Network Leader

Sulfidation Leak on Crude Unit Piping – A Significant Near Miss– Art Jensen, Delaware City Refining (PBF Energy)

Sulfidation Panelist – Jessica Stankiewicz, Chevron Richmond Refinery

Corrosion Control Documents – The Indispensable Guides to Inspecting for Plant Damage Mechanisms – Hearl Mead, Shell Global Solutions



Thursday, January 10:

Engineering/Analysis Track:

Morning Session:

Optimizing the Minimum Pressurization Temperature for Hydroprocessing Reactors–

R. Brown, Equity Engineering

Highlights of Recent Revisions/New Articles of ASME Std PCC-2, Repair of Pressure Equipment and Piping – S. Roberts, Shell Global Solutions

Case Studies – Cost Effective Improvements for the Reliability & Integrity of Fired Heaters – Tim Hill and James Widrig, Quest Integrity

Challenges in Remaining Life Assessment of Furnace Tubes - Antonio Seijas, Phillips66

Afternoon Session:

How to Conduct the Right Inspections for Effective FFS Analysis – M. Jafari & Steve Wickerson, Mistras Group

Case Study - Using Laser Scan Technology to Speed Up & Improve Inspection Effectiveness for FFS Analysis– S. Bouse, Stress Engineering Services.

Evaluation of Laminations and Flaws in Equipment in H₂S Service – Brian Mecejko and Ryan Jones, Equity Engineering?

New ASME Program for Training and Qualification of Bolted Flange Joint Assemblers – C. Rodery, BP

Inspection/NDE Track:

Morning Session 1:

In-Service Inspection of Stainless Steel Heat Exchanger Tube with Eddy Current Array Probe- M. Grenier and J.R. Konerza JKonerza, Eddyfi, Quebec, Canada and Sentinel Integrity, Houston, TX

Near Field Testing: New Developments and a Case Study - Tim Rush, Mistras Group



Jan. 10 Cont.:

Inspection of Insulated Components by Pulsed Eddy Current for CUI & High Temperature Damage- Tom Burnett, Intertek/Apteck

Eddy Current Arrays as a Replacement of Traditional NDT Methods for Detection of Surface Breaking Cracks - Tommy Bourgelas, Olympus NDT

Speeding Up Your Inspections with Eddy Current Arrays - Dana Ives and Bobby Kennedy, Mistras Group

Morning Session 2:

Active Corrosion Monitoring with AET – Successful Case Studies - Miguel A. González Núñez, Jean-Claude Lenain, Alain Proust, Valery Godinez, Mistras Group

AE Monitoring of Cracking in an FCCU Fractionator Column - Claudio Allevato, Stress Engineering,

A Review of Acoustic Emission Testing for Leak Detection in Aboveground Storage Tanks - Ronnie K. Miller and Sam Ternowchek, Mistras Group

AET Surveillance of a Nozzle Flaw in a Process Column - Glenn A. Aucoin, Stress Engineering

Afternoon Session 1:

What You Should Know Before You Replace or Upgrade Your Inspection Information Management System – Mark Bell, Shell Global Solutions (retired)

The Importance of Quality Data in a Modern Day Inspection Department – Mark Vining, Intertek AIM

Implementation of a Corporate-Wide Mechanical Integrity Inspection Data Program at Flint Hills Resources – Scott White, FHR and Vinay Nihalani, Meridium

Corrosion Measurement Data - Getting the Most out of Your CMLs - Dave McFarland, Shell Oil Company

Afternoon Session 2:

Three Dimensional Laser Scanning of Aboveground Storage Tanks - Idamarie Carden, Petrochem Inspection Services



Jan. 10 Cont. :

Advanced On-stream Inspection Topics for Atmospheric Storage Tank Bottoms - Joe Krynicki, Exxonmobil

Small Tank Inspections per STI SP001 5th Edition- Dana Schmidt, Steel Tank Institute

Risk Based Inspection of Storage Tanks- Jesus Esquivel, CUASMEX Services

Materials/Corrosion Track:

Morning Session:

Minimizing CUI with Thermal Sprayed Aluminum Coatings - Howard Mitschke, Coatings Consultant (previously w/Shell Global Solutions).

Maximizing the Service Life of Refractory Linings with the Right QA/QC – Chris Fowler, ExxonMobil

The Key to Getting the Maximum Service Life from Your Plant Coatings - Monica Chauviere, Monicorr, Inc. (previously ExxonMobil)

Reliable Corrosion Rate Measuring Techniques – Sam Lordo, Nalco Energy Services Division

Afternoon Session:

Improving Your Failure Analysis Process to Prevent Future Failures - Steve Burkle, Lloyd's Registry

Leaks in Duplex SS Tubes from Aggressive MIC – Art Jensen, Delaware City Refining (PBF Energy)

Automated Weld Overlay Repairs of Large Damaged Equipment – Mahmood Samman, Houston Engineering Solutions)

NASA Insulation Technology for Improving CUI Resistance – Monica Chauviere, Monicorr, Inc. (previously ExxonMobil)

Inspection of Injection Point Internal Hardware: quills, spargers, spray nozzles, etc. – Kimberly Comeaux, Coffyville Resources (CVR) and Sam Lordo, Nalco