API Inspection Summit – *Downstream* Preliminary Program

Tuesday, January 8, 2013:

**Engineering/Analysis Track:**

Morning Session:


**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:


**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


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
Materials/Corrosion Track:

Morning Session:


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, Tersoro 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
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
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