



API AND ITS ENDORSING ORGANIZATIONS INVITE YOU TO JOIN US AT THE API INSPECTOR SUMMIT IN GALVESTON, TEXAS, JANUARY 27-30, 2009.

The API Inspector Summit will provide an opportunity to learn about new and existing industry codes and standards, hear about emerging trends from experts, and discuss new issues. The API Inspector Summit is also the only networking event for inspectors in the industry.

The API Inspector Summit was designed with you in mind. This four-day summit offers more than 40 timely topics that address the needs of both new and veteran inspectors. Each day focuses on a specific topic area, and yet is diverse enough to fulfill most educational and networking needs. Our flexible program gives attendees the ability to attend one, two, three, or all four days and many sessions repeat to allow even greater flexibility.

Whether you are an NDT examiner searching for a career path, an API inspector looking to advance your skills or an inspection/reliability manager desiring a greater understanding of the issues involved with the inspection of today's facilities, the Inspector Summit is THE meeting to attend.

CONFERENCE AT A GLANCE

MONDAY, JANUARY 26TH

3:00 PM – 6:00 PM REGISTRATION

TUESDAY, JANUARY 27TH

7:00 AM – 5:00 PM REGISTRATION

8:00 AM – 12:00 PM CONCURRENT SESSIONS

12:00 PM – 1:30 PM LUNCH AND EXHIBIT VIEWING

1:30 PM – 5:00 PM CONCURRENT SESSIONS

WEDNESDAY, JANUARY 28TH

7:00 AM – 5:00 PM REGISTRATION

8:00 AM – 12:00 PM CONCURRENT SESSIONS

12:00 PM – 1:30 PM LUNCH AND EXHIBIT VIEWING

1:30 PM – 5:00 PM CONCURRENT SESSIONS

THURSDAY, JANUARY 29TH

7:00 AM – 5:00 PM REGISTRATION

8:00 AM – 12:00 PM CONCURRENT SESSIONS

12:00 PM – 1:30 PM LUNCH AND EXHIBIT VIEWING

1:30 PM – 5:00 PM CONCURRENT SESSIONS

FRIDAY, JANUARY 30TH

7:00 AM – 5:00 PM REGISTRATION

8:00 AM – 12:00 PM CONCURRENT SESSIONS

12:00 PM – 1:30 PM LUNCH AND EXHIBIT VIEWING

1:30 PM – 3:00 PM CONCURRENT SESSIONS

SESSION DESCRIPTIONS

101 Essential Elements of Pressure Equipment

John Reynolds, Shell Global Solutions (Retired)

Wednesday, January 28, 8:30 AM - 10:00 AM

(Continued 10:30 AM - 12:00 PM)

This panel discussion involving 10 owner-users from the refining and petrochemical industry will explain 10 significant, inspection-related failures of pressure equipment components that led to a big event at their facility, including the what, how, and why it happened, as well as the corrective action. The panel includes representatives of ExxonMobil, Chevron, Shell, Marathon, Valero, ConocoPhillips, BP, Flint Hills Resources, PetroCanada, and Suncor.

A Qualitative Solution Made Practical

Phil Henry/Lynne Kaley, Equity Engineering

Tuesday, January 27, 3:30 PM - 5:00 PM

Friday, January 30, 1:30 PM - 3:00 PM

RBI is now a well established process with the 2nd edition of RP 581 published and 2nd edition of 580 due soon. The significant enhancements and changes and their application will be discussed.

Advanced Technologies for Heat Exchanger Tube Inspection

Karl Marks, Acuren Inspection

Wednesday, January 28, 10:30 AM - 12:00 PM

Thursday, January 29, 10:30 AM - 12:00 PM

There is no single examination solution for heat exchanger tube inspection. This paper explores the five most common techniques, IRIS, MFT, ET, RFET, X-RFT/NFT and the advantages and disadvantages of each technique.

Advances in Guided Wave Testing Inspection Programs

Dr. David Alleyne, Guided Ultrasonics Limited UK

Tuesday, January 27, 3:30 PM - 5:00 PM

A discussion on advances in guided wave testing methods and the advantages that they offer the inspector. Enhancement such as dynamic, seamless frequency and bandwidth sweeping and focusing leading to improved and simpler flaw analysis.

An Introduction to Coatings and Linings

Bob Brewer, FTS Inspection & Engineering

Friday, January 30, 8:30 AM - 10:00 AM

This session will cover the basics of: a) how coatings mitigate corrosion; b) how linings function, are selected, and applied; and c) the basics of cathodic protection and its interaction with the coatings and linings.

API Certifications, Recertification and Supplemental Inspection Certifications

John O'Brien, API SCI Chairman

Tuesday, January 27, 3:30 PM - 5:00 PM

Wednesday, January 28, 1:30 PM - 3:00 PM

A review of the long established certification requirements for recertification and the more recent supplemental API inspector certifications.

API RP 571 Damage Mechanisms for Inspectors

Charlie Buscemi, Stress Engineering Services

Tuesday, January 27, 10:30 AM - 12:00 PM

Wednesday, January 28, 3:30 PM - 5:00 PM

A fast based walkthrough of the highlights of this document.

An essential session for those interested in knowing more about damage mechanisms in the process industry.

API-577 Welding, NDE and Metallurgy

Frank Furillo, Consultant, ExxonMobil (Retired)

Thursday, January 29, 10:30 AM - 12:00 PM

Friday, January 30, 8:30 AM - 10:00 AM

This session will provide an entertaining overview of the RP 577 document on welding, NDE and metallurgy as it stands today along with a short focus on areas of changes and improvements expected in the 2nd Edition.

Application of RBI to Offshore Equipment

Albert van Roodselaar, Chevron

Tuesday, January 27, 1:30 PM - 3:00 PM

Thursday, January 29, 3:30 PM-5:00 PM

RBI of equipment in the E&P environment poses specific challenges and this presentation will review experience from a number of both floating and fixed installation RBI studies

AUT in Lieu of Internal Inspection

Dave Bajula, Acuren Inspection

Wednesday, January 28, 1:30 PM - 3:00 PM

Thursday, January 29, 10:30 AM - 12:00 PM

This session will present details on AUT C-Scan imaging, in lieu of vessel entry. The presentation will cover all aspects of AUT plus a case study direct cost-to-cost comparison between on-stream verses out-of-service inspections.

Bolting, Gasketing and Piping Connections

Dave Reeves, Chevron

Tuesday, January 27, 1:30 PM - 3:00 PM

(continued 3:30 PM - 5:00 PM)

This session will focus on the technology needed for obtaining leak-free operation of bolted connections. It will start with a basic explanation of the interactions between bolting components (temperature, pressure, gasket stress and stud load) and then cover important inspection points, assembly practices, gasket options and general sealing concepts that are applicable to all bolted connections.

Case Study: Risk Based Inspection (RBI) for Bundle Assessment

Mr. Phil Henry, Equity Engineering

Thursday, January 29, 10:30 AM - 12:00 PM

A review of the current recent changes and balloted proposals to the API Codes and Recommended Practices relative to inspection.

Developing a Mechanical Integrity Inspection Plan

Duane K. Edwards, Acuren Inspection

Wednesday, January 28, 3:30 PM - 5:00 PM

A prelude to executing mechanical integrity inspections, attention must be made to what equipment is to be inspected, the various operating conditions, both chemical and mechanical that could be present, and how best to detect those conditions. Once this is accomplished one must understand the fundamentals steps of mechanical integrity, what it involves and how to conduct proper assessments including reporting and management of the data collected.

Electro-Magnetic Inspection of Wire Rope

David R. Hall, Acuren Inspection

Wednesday, January 28, 1:30 PM - 3:00 PM

Thursday, January 29, 1:30 PM - 3:00 PM

The deterioration and methods of inspection to detect corrosion, broken wires and abrasion for the examination of guy ropes, strands and the related fittings will be discussed.

Electromagnetic Acoustic Transducer (EMAT)

Inspection of Furnace Tubes

Robert S. Grandahl, Acuren Inspection

Thursday, January 29, 3:30 PM - 5:00 PM

Friday, January 30, 10:30 AM - 12:00 PM

EMAT testing on furnace tubes can be done at a fraction of the cost of traditional UT techniques. This paper will show other advantages of using EMAT for the inspection of furnace tubes.



EMAT Inspection on Piping

Kevin Flores, Acuren Inspection

EMATs produce highly consistent measurements even under coatings. Specific applications include touch-point corrosion at pipe supports, soil-to-air interface inspections, and tank dike wall interface inspections

Fire Damage Inspections for Fitness for Service Certifications*Joe Frey, Stress Engineering Services**Wednesday, January 28, 1:30 PM - 3:00 PM**Friday, January 30, 8:30 AM - 10:00 AM*

Post plant fire activities almost always include fitness for service (FFS) evaluations. Proper inspections and inspection reporting are keys to a successful evaluation. This paper describes a standard approach for fire assessments and relates recent experiences and lessons learned.

How Inspectors Can Use Fracture Mechanics*Roger Cordes, Stress Engineering Services**Wednesday, January 28, 8:30 AM - 10:00 AM*

The use of reliable inspection data and sensitivity of inputs to the use of fracture mechanics by inspectors will be explored.

Automated Inspection, Fitness for Service and Remaining Life Assessment of Reformer Heater Tubes*Tim Hill, QuestReliability*

Unreliable operation of reformer heaters due to radiant tube failures can quickly lead to increased reliability or opportunity costs. Enhanced integrated inspection and FFS approaches will be discussed.

Improving the Effectiveness of PMI*John Bailey, SGS Inspection**Wednesday, January 28, 3:30 PM - 5:00 PM**Friday, January 30, 1:30 PM - 3:00 PM*

PMI data needs to be more manageable so that actionable items can be raised to guide the maintenance staff to remediate non-conforming components. Systematic approaches to this will be discussed.

Guidelines and Application Procedures for API RP 578 Positive Material Identification (PMI) Using XRF/OES Technologies*Don Mears/Raymond Lindeen, Houston Analytical*

Session will outline PMI Certification Course: Why it should be given, purpose, and explain the need and requirements for “Positive Material Identification” or “PMI,” using XRF and OES Technologies.

Inspection of Refrigerated Storage Tanks*P. E. Jesus Esquivel, COMIMSA**Thursday, January 29, 1:30 PM - 3:00 PM*

This presentation will explore the application of RBI and API 653 principles to the in-service assessment of API 620 refrigerated storage tanks and the determination of suitable if needed shut down intervals. This paper provides information about the internal inspection requirements, results and common recommendations for the future of these tanks in service considering the Risk based inspection methodology.

Keynote Address*The Honorable John S. Bresland, President, U.S. Chemical Safety Board**Tuesday, January 27, 8:30 AM - 10:00 AM*

A direct presidential appointee John will talk about the work of the chemical safety board in relation to the hydrocarbon industry and the direct relationship to inspection activities and practices.

Mechanical Integrity Data Management:**What do we do with all this stuff?***John Bailey, SGS Inspection**Tuesday, January 27, 10:30 AM - 12:00 PM*

A modern major process plant may have 200,000 CML's, 35,000 visual reports and 20,000 plus findings. Effective management, tracking and new ways of utilizing this data effectively will be explored in this presentation.

Metallurgical Damage Mechanisms and Nondestructive Examination*Ronald Lansing, HSB Reliability Technologies**Wednesday, January 28, 3:30 PM - 5:00 PM**Thursday, January 29, 8:30 AM - 10:00 AM*

Various industrial case examples (from pulp and paper, utility and refinery industries) will be discussed with some exploration of metallurgical microstructure examinations and hardness testing techniques as topics of contextual interest real world case histories.

NEP Audits of Refineries*Don Nguyen, OSHA, Houston South Area Office**Wednesday, January 28, 8:30 AM - 10:00 AM*

This session will explore the purpose of the refinery NEP, what is covered, refinery incidents and OSHA violations that may arise before exploring the potential for NEP as applied to chemical plants.

New Insights in Repairing Damaged Pipelines Using Composite Materials*Chris Alexander, Stress Engineering Services**Thursday, January 29, 1:30 PM - 3:00 PM**Friday, January 30, 10:30 AM - 12:00 PM*

Composite wrap repairs are now widely applied to the repair of pipelines and piping. The correct application inspection, limitations advantages and how these are viewed within codes and standards will be discussed.

Non Intrusive Inspection Alternatives*Mike Wechsler, Conam Inspection**Thursday, January 29, 3:30 PM - 5:00 PM**Friday, January 30, 1:30 PM - 3:00 PM*

A combination of NII NDE Techniques with Phased Array (PA) offers advantages over a traditional intrusive inspection. 1) there is no interruption of equipment or process 2) by performing the inspection prior to shut down, upfront results can help prioritize the need for which flanges need to be repaired 3) this imaging can reduce the number of false calls associated with the corrosion.

Nozzle inspections using Phased Array*Tuesday, January 27, 1:30 PM - 3:00 PM**Wednesday, January 28, 10:30 AM - 12:00 PM*

Application of Phased Array UT to nozzle examinations, advantages and limitations.

Using IR Techniques in Fixed Equipment Inspection Programs*Joey Poret, Chevron*

Infrared Thermography as a tool to assess fixed equipment reliability issues.

Overview of Advanced Inspection Techniques for Equipment Integrity Management*Sam Ternowchek, MISTRAS Holdings**Thursday, January 29, 8:30 AM - 10:00 AM**Friday, January 30, 8:30 AM - 10:00 AM*

An overview of an array of complimentary advanced NDE techniques as applied to hydrocarbon plant integrity will be discussed underlining Acoustic Emission, Advanced UT and other techniques. This session will provide an excellent overview of the application of advanced NDE technology.

Optimizing the Number and Location of Condition Monitoring Locations (CMLs)*Ryan Sitton, Pinnacle AIS**Tuesday, January 27, 10:30 AM - 12:00 PM*

A presentation on strategies and options for selection and placement of CML's within a modern mechanical integrity program.

Piping Circuitization and Risk Based Inspection Requirements*Lynne Kaley, Equity Engineering**Thursday, January 29, 8:30 AM - 10:00 AM*

Leaks in process piping continue to challenge the industry and plant inspection programs. Systemization and circuitization of piping into corrosion circuits enables inspection plan development that addresses all types of potential damage. The importance of an integrated approach versus traditional monitoring will be discussed in detail to maximize and enhance the effectiveness of piping mechanical integrity programs.

Planning for Non-Intrusive Inspection (NII) of Process Equipment*John O'Brien, Chevron**Tuesday, January 27, 10:30 AM - 12:00 PM**Wednesday, January 28, 8:30 AM - 10:00 AM*

A desire to be more effective in the application of non-intrusive examinations of process equipment and selection of the appropriate technique and coverage has led to the development of a decision model that will be reviewed using real world process vessels.

Projected Changes to Inspection Codes*John O'Brien, Chevron and Stephen Crimauddo, API**Tuesday, January 27, 1:30 PM - 3:00 PM**Wednesday, January 28, 10:30 AM - 12:00 PM*

A review of the current recent changes and balloted proposals to the API Codes and Recommended Practices relative to inspection.

Protecting Your Investment with Refractory Inspection*Bob Beaver/Jim Allen, MISTRAS Holdings**Friday, January 30, 10:30 AM - 12:00 PM*

Refractory is the unseen and underappreciated element of most processing equipment. It is also the least understood component of production process vessels. A good refractory inspection program including accurate reporting is vital to any comprehensive maintenance program.

PSM Compliance: Large Scale Programs to Establish the Suitability for Service of Non-Compliant Fixed Equipment*W. Brown, Equity Engineering**Wednesday, January 28, 1:30 PM - 3:00 PM*

This presentation will overview current OSHA requirements and interpretations regarding the design and certification of fixed equipment. It will also review vessel categories that typically require Suitability for Service assessment and review the reasons for completing assessments as a project, rather than on an individual basis. It will also overview the technical process required for determining the acceptability of the fixed equipment, including inspection, engineering, documentation and project procedure requirements.

Risk Based Inspection Reassessment*Greg Alverado/Lynne Kaley, Equity Engineering**Tuesday, January 27, 10:30 AM - 12:00 PM**Friday, January 30, 10:30 AM - 12:00 PM*

Periodic review and reassessment is an important component in an effective RBI program. Now that RBI is a widely utilized tool this session will discuss the important steps in a reassessment program.

Statistical Modeling of NDE Performance Uncertainties*Luc Huyse, Chevron**Wednesday, January 28, 8:30 AM - 10:00 AM**Thursday, January 29, 8:30 AM - 10:00 AM*

Based on inspector certification tests over a number of years results are being used to provide indications of the practical accuracy of each inspection technique. Some key items that will be reported on are the sizing accuracy of flaws, probability of detection and sizing accuracy of remote field measurements as well as manual UT inspections. This leads to a discussion of how we select the appropriate confidence in techniques.

The 2010 Inspector—The Evolving Role of the Pressure Equipment Inspector*Mark Smith, MSTs**Thursday, January 29, 1:30 PM - 3:00 PM**Friday, January 30, 1:30 PM - 3:00 PM*

This presentation will discuss how the roles of the pressure equipment discipline inspector continue to change. Included in the discussion will be differences owner user vs. contractor and technical challenges to the changing role.

The Appropriate Use of Acoustic Emission in Plant Inspections*Claudio Allevato, Stress Engineering**Wednesday, January 28, 3:30 PM - 5:00 PM**Thursday, January 29, 1:30 PM - 3:00 PM*

Several case studies and examples of successful industry experiences using AET are described. A brief discussion of AET methodology is presented.

The Importance of Integrity Operating Windows in Maintaining Pressure Equipment Integrity*John Reynolds, Shell Global Solutions (Retired)**Tuesday, January 27, 3:30 PM - 5:00 PM*

Integrity Operating Windows (IOWs) is one leg of a three legged stool along with MOC and Inspection Strategies that supports the mechanical integrity of pressure equipment stool. This presentation shows how vital that IOWs are to supporting that stool.

**Managing Equipment Integrity Using Real Time Process Monitoring***Boyd Mckay, Equity Engineering*

A discussion on equipment performance calculations and real time damage, rate/susceptibility calculations are discussed.

The Inspector Writes – Technical Writing for Inspectors Part 1 & 2*Mark Smith, MSTs**Thursday, January 29, 8:30 AM - 10:00 AM**(Part 2, Continued 10:30 AM – 12:00 PM)**Friday, January 30, 8:30 AM - 10:00 AM**(Part 2, Continued 10:30 AM – 12:00 PM)*

This session is a must for pressure equipment personnel. This session is designed for pressure equipment inspectors and engineers working in any petrochemical facility, and will also be useful for others who are responsible for technical writing, e.g., maintenance, operations and other engineering disciplines. The seven basic rules for technical writing will be covered as well as the role of the technical writer and the purpose of inspection narratives. All topic examples and exercises will be applicable to the pressure-equipment discipline. Attendees will receive a laminated checklist for future use that details technical writing's seven basic rules.

The Keys to Maintenance and Repair of Coke Drums*Derrick Rogers, Welding Services, Inc.**Thursday, January 29, 3:30 PM - 5:00 PM**Friday, January 30, 1:30 PM - 3:00 PM*

Coking units are a major profit contributor in refining. Industry reports more than 80% of coking units affected with cracks and flaws requiring comprehensive repairs. This paper will explore case studies in a range of repair approaches.

The Role of Inspection in Capital Projects: Optimizing Cost and Performance by Getting It Right from the Start.*Rodney Addison, FTS Inspection & Engineering**Tuesday, January 27, 1:30 PM - 3:00 PM*

Conducting piping baseline measurements and pre-service initial inspections as early as possible on new construction offers significant life cycle cost improvement opportunities. An approach combining all this early data into a single system will be discussed.

Waste Heat Boilers: FFS Case Histories*J.R. Jones, Equity Engineering**Wednesday, January 28, 10:30 AM - 12:00 PM*

Understanding the inspection considerations and damage mechanisms affecting waste heat boilers such as sulphidation and high temperature hydrogen attack is an important component of FFS. These concepts and their application will be explored with real world case histories.

Where am I Going and How Do I Get There?*Bob Brewer, FTS Inspection & Engineering**Thursday, January 29, 3:30 PM - 5:00 PM*

Placing yourself on the career path in the inspection industry that's right for you requires an understanding on the different roles that are possible for inspectors. Having served as a technician, contract inspector, owner-operator's inspector, owner of an inspection business, and inspection program manager, the author shares his insights into the positives and negatives of all of these roles.

**Characteristics of the Most Effective Inspector***Kelley Jones, Pro Inspect*

The presentation will provide a comprehensive list of personal characteristics of inspector's that are most likely to succeed, both as a contactor or owner-user inspector.

CONFERENCE SCHEDULE

The exhibit hall will be open throughout the conference. Please stop by the exhibit area to see the latest technologies and trends in the industry.

- Only time this session is offered
- ✓ 1st time this session is offered
- ✓✓ 2nd time this session is offered

TUESDAY, JANUARY 27, 2009

TRACK	8:30 AM	10:00 AM	10:30 AM	12:00 PM	1:30 PM	3:00 PM	3:30 PM - 5:00 PM
	KEYNOTE ADDRESS	Break					
CODES		Break	API RP 571 Overview Damage Mechanisms for Inspectors	Lunch	Projected Changes to Inspection Codes	Break	API Certifications, Recertification and Supplemental Inspection Certifications
MECHANICAL INTEGRITY		Break	Mechanical Integrity Data Management: What do we do with all this stuff?	Lunch	The Role of Inspection in Capital Projects: Optimizing Cost and Performance by Getting It Right from the Start.	Break	The Importance of Integrity Operating Windows in Maintaining Pressure Equipment Integrity
NDE		Break	Planning for Non Intrusive Inspection (NII) of Process Equipment	Lunch	Nozzle Inspections Using Phased Array + Using IR Techniques in Fixed Equipment Inspection Programs	Break	Advances in Guided Wave Testing Inspection Programs
PRESSURE EQUIPMENT		Break	Optimizing the Number and Location of Condition Monitoring Locations (CMLs)	Lunch	Bolting, Gasketing and Piping Connections	Break	Bolting, Gasketing and Piping Connections <i>(CONTINUED FROM JANUARY 27, 1:30 PM SESSION)</i>
RBI		Break	Risk Based Inspection Reassessment	Lunch	Application of RBI to Offshore Equipment	Break	A Qualitative Solution Made Practical

WEDNESDAY, JANUARY 28, 2009

TRACK	8:30 AM	10:00 AM	10:30 AM	12:00 PM	1:30 PM	3:00 PM	3:30 PM - 5:00 PM
CODES	NEP Audits of Refineries	Break	Projected Changes to Inspection Codes	Lunch	API Certifications, Recertification and Supplemental Inspection Certifications	Break	API RP 571 Overview Damage Mechanisms
FFS	How Inspectors Can Use Fracture Mechanics + Automated Inspection, Fitness for Service and Remaining Life Assessment of Reformer Heater Tubes	Break	Waste Heat Boilers: FFS Case Histories	Lunch	Fire Damage Inspections for Fitness for Service* Certifications	Break	Metallurgical Damage Mechanisms and Nondestructive Examination
MECHANICAL INTEGRITY	101 Essential Elements of Pressure Equipment	Break	101 Essential Elements of Pressure Equipment <i>(CONTINUED FROM JANUARY 28, 8:30 AM SESSION)</i>	Lunch	PSM Compliance: Large Scale Programs to Establish the Suitability for Service of Non-Compliant Fixed Equipment	Break	Developing a Mechanical Integrity Inspection Plan
NDE	Statistical Modeling of NDE Performance Uncertainties	Break	Advanced Technologies for Heat Exchanger Tube Inspection	Lunch	Electro-Magnetic Inspection of Wire Rope	Break	Improving the Effectiveness of PMI + Guidelines and Application Procedures for API RP 578 Positive Material Identification (PMI) Using XRF/OES Technologies
NDE II	Planning for Non-Intrusive Inspection (NII) of Process Equipment	Break	Nozzle Inspections Using Phased Array + Using IR Techniques in Fixed Equipment Inspection Programs	Lunch	AUT in Lieu of Internal Inspection	Break	The Appropriate Use of Acoustic Emission in Plant Inspections

CONFERENCE SCHEDULE (CONTINUED)

The exhibit hall will be open throughout the conference. Please stop by the exhibit area to see the latest technologies and trends in the industry.

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THURSDAY, JANUARY 29, 2009

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NDE I	Statistical Modeling of NDE Performance Uncertainties	Break	Advanced Technologies for Heat Exchanger Tube Inspection	Lunch	Electro-Magnetic Inspection of Wire Rope	Break	Non Intrusive Inspection Alternatives
NDE II	Overview of Advanced Inspection Techniques for Equipment Integrity Management	Break	AUT in Lieu of Internal Inspection	Lunch	The Appropriate use of Acoustic Emission in Plant Inspections	Break	Electromagnetic Acoustic Transducer (EMAT) Inspection of Furnace Tubes + EMAT Inspection on Piping
RBI	Piping Circuitization and Risk Based Inspection Requirements	Break	Case Study: Risk Based Inspection (RBI) for Bundle Assessment	Lunch	Inspection of Refrigerated Storage Tanks	Break	Application of RBI to Offshore Equipment
ROLES	The Inspector Writes – Technical Writing for Inspectors Part 1	Break	The Inspector Writes – Technical Writing for Inspectors Part 2	Lunch	The 2010 Inspector—The Evolving Role of the Pressure Equipment Inspector	Break	Where am I Going and How Do I Get There? + Characteristics of the Most Effective Inspector
WELDING/ METALLURGY/ CORROSION	Metallurgical Damage Mechanisms and Nondestructive Examination	Break	API-577 Welding, NDE and Metallurgy	Lunch	New Insights in Repairing Damaged Pipelines Using Composite Materials	Break	The Keys to Maintenance and Repair of Coke Drums

FRIDAY, JANUARY 30, 2009

TRACK	8:30 AM	10:00 AM	10:30 AM	12:00 PM	1:30 PM	3:00 PM	5:00 PM
COATINGS/PMI	An Introduction to Coatings and Linings	Break	Protecting Your Investment with Refractory Inspection	Lunch	Improving the Effectiveness of PMI + Guidelines and Application Procedures for API RP 578 Positive Material Identification (PMI) Using XRF/OES Technologies		
FFS/RBI	Fire Damage Inspections for Fitness for Service	Break	Risk Based Inspection Reassessment	Lunch	A Qualitative Solution Made Practical		
NDE	Overview of Advanced Inspection Techniques for Equipment Integrity Management	Break	Electromagnetic Acoustic Transducer (EMAT) Inspection of Furnace Tubes + EMAT Inspection on Piping	Lunch	Non Intrusive Inspection Alternatives		
ROLES	The Inspector Writes – Technical Writing for Inspectors Part 1	Break	The Inspector Writes – Technical Writing for Inspectors Part 2	Lunch	The 2010 Inspector—The Evolving Role of the Pressure Equipment Inspector		
WELDING	API-577 Welding, NDE and Metallurgy	Break	New Insights in Repairing Damaged Pipelines Using Composite Materials	Lunch	The Keys to Maintenance and Repair of Coke Drums		