Integrity Management for Gas Pipelines
Safely Managing the Lifecycle of Pipelines
An SGA / P-PIC / Dynamic Risk workshop

June 9-11, 2015
At Enable Midstream (former CenterPoint Building)
Room 1355, 1111 Louisiana Street
Houston, TX

Difficulty registering on-line?
Please contact Member Services:
MemberServices@southerngas.org
(972) 620-4012

Other SGA Integrity Management Workshops
- Practical In-Line Inspection
- Advanced In-Line Inspection

Who Should Attend
This workshop is intended for individuals who are familiar with integrity management programs. Recent hires and staff recently given IMP responsibilities are welcome to attend this workshop, but should have a basic understanding of integrity management programs. Operations and maintenance engineers, senior technicians and regulatory compliance personnel responsible for aspects of their company's transmission integrity management program will find this workshop informative.

Scope
This workshop goes beyond understanding U.S. PHMSA IMP regulations and ASME B31.8S, Managing the Integrity of Gas Pipelines, and focuses on the future of IMP. Workshop instructors will provide an overview of IMP basics as well as regulatory requirements and processes. Instructors will then look specifically at the impact of IMP regulations that are on the horizon. This workshop also includes an interactive discussion centered around learning from past history and looking beyond.

Topics
- Introduction to Integrity Management
- PHMSA IMP Regulations
- IMP Process Risk Analysis
- IMP Process – Data Gathering & Risk Assessment
- Integrity Assessment Methods
- Responses to Integrity Assessments
- Prevention and Mitigation (Such as Corrosion Control)
- Responses Outside of HCAs
- Recent IMP Issues & Practices
- Putting All the IMP Pieces Together
- Future Expectations
Interactive threats and consequences
Verifying MAOP
R&D for tools that verify MAOP
ILI Research
Industry trends for documentation
Acceptable verifiables and records
Reassessments and risk analysis trends
Scenarios of low probability with high consequence
Recommended best practices based on the 1st 10 years
Regulatory focus on safety: people, property damage, and more
Business consequences: leveraging risk management in the IMP context

Learning Objectives
- Understanding what constitutes an IMP Program and Plan
- How to perform risk analyses and their uses
- What data is necessary for an effective IMP, validation, and how to do data integration
- Learn the basics of the 3 major assessment techniques, ILI, DA & pressure test
- Learn how to plan effective ILI assessments and organize to prioritize the results
- Review the near term anticipated regulatory initiatives, actions and their impact on the industry and IMP programs inside and outside HCAs.

PRIOR KNOWLEDGE RECOMMENDATIONS
Students should have a fundamental understanding of natural gas pipeline facilities, their design, construction, operation and maintenance. While instructors will provide a brief overview of IMP, it is recommended that students review the following materials to familiarize themselves with some of the key components of integrity management programs:
- The TIMP Rule (49CFR192 Part O)
- The PHMSA Protocols
- The TIMP FAQs
- PHMSA "Pipeline Data Public Meeting" Jan 7&8, 2013

REFERENCES
- Glossary
- Pipeline Library
- Damage Prevention
- TIMP Fundamentals

Instructors
- Keith Leewis, PhD PEng
  Senior Risk Consultant, Dynamic Risk Assessment Systems Inc.

Keith has served in a wide variety of North American industry and research management positions from tenured Professor to Director of Technology. He continues to serve as a technical resource to AGA, AOPL, and INGAA and in this capacity has helped to develop and improve the management of risk and integrity and reliability of pipeline systems. Keith is a working member of both ASME and
NACE and heavily involved in the design and application of the methodologies for direct assessment especially within operator integrity management programs. Keith has published over forty refereed papers and articles. Member of ASME B31.8 & B31.8S, & NACE 0502, 0102, 0204, 0206 Code Committees.

- **Mark Hereth**  
  *Principal, Process Performance Improvement Consultants, LLC (P-PIC)*

Mark presently serves as a board member for the Interstate Natural Gas Association of America Foundation and is on the Faculty at the Transportation Center at Northwestern University. Mark has received numerous awards and recognitions from the Department of Transportation for his contributions in risk management and improvements to the Pipeline Safety Regulations. Mark has testified to the Congress of the United States on issues relating to pipeline safety.

**Event Information**

**Registration**

- Member: $1,295 ($1095 for second and subsequent registrations from the same company)
- Non-Member: $1,495 ($1295 for second and subsequent registrations from the same company)

**Cancellation Policy**

- This event follows the [SGA Cancellation Policy “B”](#) when cancellation is required.

**Attire**

- Business casual

**Hotel arrangements**

A block of rooms has been reserved on a first come, first served basis at:

Hyatt Regency Houston  
1200 Louisiana Street - across the street from Enable Midstream  
Houston, TX 77002 US  
Hotel Phone Number: 713-654-1234  
Rates: Single or double occupancy $169.00 plus taxes; triple $194.00 plus taxes; quadruple $215.00 plus taxes

*“Event attendees must contact the hotel directly (either by phone or the posted hotel reservation link) to make their reservations. Any contact to you from a third party claiming to be a booking agent for the SGA should be considered a scam.”*

**Questions**

- For general questions, contact [Fraser Farmer](mailto:)
- For registration and other assistance, contact [Member Services](mailto:)