Interstate Natural Gas Association of America

Pipelines & Informed Planning Alliance

Is Anything Happening?

2011 Pipeline Safety Trust Conference – Getting to Zero

November, 2011
Our goal is zero incidents - a perfect record of safety and reliability for the national pipeline system. *We will work every day toward this goal.*

We are committed to safety culture as a critical dimension to continuously improve our industry’s performance.

We will be relentless in our pursuit of improving by learning from the past and anticipating the future.

We are committed to applying integrity management principles on a system-wide basis.

We will engage our stakeholders - from the local community to the national level - so they understand and can participate in reducing risk.
# IMCI Action Teams

## 1. Stakeholder Outreach
- Two-way communication with meaningful performance measures. Actively promote PIPA (Pipelines and Informed Planning Alliance)

## 2. Risk Management
- Apply risk management concepts beyond High Consequence Areas (HCAs) with comprehensive threat analysis

## 3. Integrity Management Tools
- Enhance corrosion control methods and anomaly management protocols

## 4. Pipelines Built Prior to PHMSA Regulations
- Develop inventory and protocols to manage integrity

## 5. Technology Development & Deployment
- Improve crack-detection tools & management
- Work with PHMSA to produce a R&D road map, and
- Define assessment alternatives for non-piggable lines

## 6. Management Systems
- Apply safety culture principles to drive learning across the industry

## 7. Emergency Preparedness Response
- Update isolation valves automation and enhance public awareness

## 8. New Construction
- Fully implement the 2010/2011 INGAA Foundation Pipe and Construction Action Plans

## 9. Storage
- Clarify regulatory oversight for storage facilities
INGAA Members 9 Step Action Plan

1. Apply Risk Management beyond High Consequence Areas (HCAs)
2. Raise the Standards for Corrosion Anomaly Management
3. Demonstrate Fitness for Service on Pre-Regulation Pipelines
4. Shorten Pipeline Isolation and Response Time to 1 Hour in Populated Areas
5. Improve Integrity Management Communication and Data
6. Implement the Pipelines and Informed Planning Alliance (PIPA) Guidance
7. Evaluate, Refine and Improve Threat Assessment and Mitigation
8. Implement Management Systems Across INGAA Members
9. Provide Forums for Stakeholder Engagement and Emergency Officials
Pipeline Safety Awareness Reflected in Regulations & Consensus Standards

Continuous Improvement

2004 DOT Regulation Gas Transmission Integrity Mgmt
2005 DOT Regulation Public Awareness API-1162
2010 PHMSA Begins API1162 Inspections

1999 CGA Study & Pipeline Safety Action Plan
2000 INGAA Safety brochure version 3
2001 CGA Best Practices
2003 API 1162 First Edition approved by API ballot
2004 Fire Marshall training
2010 API 1162 Revisions approved by API ballot
2010 CGA Best Practices version 8
2010 PIPA guidelines approved
2010 INGAA Safety brochure version 4
2011 Fire Marshall training version 2
2011 API 1162 PHMSA to review new version
2012 API 1162 Revision & approval process

API 1162 Recommended Practice Public Awareness Programs for Pipeline Operators
Implement Best Practices

**INGAA member commitments:**

- Build an active coalition of INGAA member representatives to implement PIPA recommended practices
- Members also commit to collaborating with PIPA stakeholders to increase awareness and adoption of PIPA recommended best practices
Is Anything Happening?

**INGAA’s PIPA Initiatives**

- PIPA committee member
- Public awareness – link on websites
- Developed PIPA one pager
- Developed exhibit to travel to stakeholder conferences

**Member Operators’ PIPA Initiatives**

- Link on internal and external websites
- Included PIPA in annual brochures mailed to public officials
- Developed guidebook for building near our pipelines for planning officials and developers
- PIPA orientation webinar planned for operators

Effective pipeline safety is a shared responsibility - and requires active engagement between operators, the government and the public.
INGAA Promoting PIPA

MOVING NATURAL GAS RELIABLY IS OUR BUSINESS

MOVING IT SAFELY IS OUR COMMITMENT

Public safety is the pipeline industry’s number one priority. The men and women working at the companies that build and operate North America’s interstate natural gas pipeline system have created the safest mode of energy transportation in the world today.

PIPA link on www.ingaa.org
INGAA Supports PIPA

PIPA factsheet available on www.ingaa.org
Operators’ Support PIPA

Promoting PIPA on external websites
Where is Spectra Energy with PIPA’s Baseline Recommended Practices?

Baseline Recommended Practices

- Guide Materials: 0%
- Pub. Aware. & Comm.: 50%
- Maintenance Activities: 100%
- Maps & Pipeline Locations: 50%
- Excavation Activities: 50%
- Ordinances & Legislation: 0%
- ROW Uses: 100%
- ROW Agreements: 100%
- ROW Records: 67%
Where is Spectra Energy with PIPA’s New Development Practices?

New Development Recommended Practices

- Guide Materials: 0%
- Pub. Aware. & Comm.: 50%
- Excavation Activities: 100%
- ROW Uses: 33%
- ROW Agreements: 100%
Challenges & Actionable Tasks

• Raise internal awareness and appoint accountable parties
• Educate internal personnel
  ▪ Conduct webinar and workshop
  ▪ Provide training program slides to all operators
• Inform external stakeholders
  ▪ Guidebook for developers and public officials
  ▪ Participate in conferences to raise awareness
• Monitor regional developments
  ▪ Focus efforts
• Engage Emergency Management Officials
  ▪ Mapping
• Focus Groups with Planning Commissions
How Can Operators Recognize Development Near Facilities?

Local office: pipeline markers are visible

Public Awareness hotline or 811

Regional office: dealt with pipeline operator before

Operator patrols detect development near pipeline

Local office assigns follow-up...

ROW Agent

Regional Engineer

A call from developers or planning commissions to...
Summary

• Our success depends upon active engagement of all stakeholders

• We are taking the next steps
  - We are cognizant of public opinion
  - We will work cooperatively with all stakeholders
  - We want to focus on real improvements to safety