

Performance Measurement - The Drive to Excellence

Pipeline Performance Measurement Initiatives

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January 29, 2003

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Performance Measurement *Objectives*

- **Strive to Continually Improve**
- **Strive for Safe Operation**
- **Strive for Reliable Supply of Energy**
 - *To heat our homes*
 - *To provide gasoline for our cars*
 - *To operate our airports*
 - *To provide fuel for our military forces*

Performance Measurement *Objectives*

- **Improvement of Integrity
Management Program Effectiveness**
- **Improvement of Public Education
Effectiveness**

Historically - *Rear View Mirror*

- **Dependent on government sources of information on pipeline safety**
- **Little or no quality control on federal databases**
- **Relied on “lagging” indicators**
- **No information on small spills**
- **Generally a good safety record
. . . . but static**

Last Three Years - *Improving the Process*

Office of Pipeline Safety

- **Committed resources to improve data integrity**
- **Improved incident reporting form**
- **Using safety performance to prioritize regulatory and enforcement efforts**

Last Three Years - *Improving the Process*

Oil Industry

- **Pipeline Performance Tracking System**
- **Incidents down to 5 gallons**
- **22 cause categories based on ASME**
- **Detail, detail, detail**
- **Safety Performance Report (Allegro)**

Natural Gas Industry

- **Placed greater emphasis on analysis of all leaks**
- **22 cause categories based on ASME**
- **Detail, detail, detail**
- **Safety Performance Report (Allegro)**

Today - *Looking Out the Front Window*

- **At the Road Sign That Says - “Target Zero”**
- **Watching the Dashboard**
 - **Navigating a course**
 - Integrity Management
 - Operator Qualifications
 - **Driving with a “TripTik”**

Today - *Looking Out the Front Window*

- **Rely More on “Leading” Indicators**
 - **Prevention and Inspection**
- **Without Losing Sight of “Lagging” Indicators**
 - **Understand the causes of small spills**
 - Root Cause
 - Contributing Causes

Today - *Looking Out the Front Window*

Examples

- **Prevention**

- “Condition of the pipe”
- # of Corrosion Prevention System Readings below Threshold ↓

- **Inspection**

- Miles Inspected ↑

- **Mitigation**

- # of Immediate Repairs ↓

Today - *Looking Out the Front Window*

- **Recognition of the Importance of Performance Measurement**
 - Oil - API RP-1129
 - Natural Gas - ASME B31.8S
- **Sharing of Safety Performance**
 - AOPL.ORG
 - INGAA.ORG
 - AGA.ORG

**We Look Forward to Hearing
Other's Ideas**

Thank You