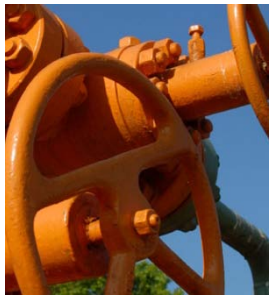

DIMP

How Should Recordkeeping Gaps Influence Risk Assessments

July 21, 2011

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NiSource Overview

- **Headquartered in Merrillville, IN**
- **Provide service to 3.3 million customers**
- **Maintain over 56,000 miles of distribution pipelines**
- **Operate 9 LDCs in 7 states across Midwest and Northeast**

Business Units

- **NiSource Gas Distribution (NGD)**
- **Northern Indiana Energy (NIE)**
- **NiSource Gas Transmission and Storage (NGT&S)**

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Agenda

1. How do you identify additional information that is needed to fill gaps in system knowledge?
2. What information gaps due to missing, inaccurate, or incomplete records are you identifying?
3. How are you collecting the additional information needed to fill gaps due to missing, inaccurate, or incomplete records?
4. What data do you capture and retain on a new pipeline installation?

Information Needed to Fill Gaps

- **How do you identify additional information that is needed to fill gaps in system knowledge?**
  - **When analysis and threat assessment indicates that additional infrastructure information may be necessary.**
  - **When more information is needed to evaluate future potential threats or other currently unforeseen reasons**
  - **New knowledge**
  - **New threats**
  - **Other information that substantially alters DIMP program**
  - **Identify gaps in information through SME input during our risk evaluation of our system.**

Information Gaps

- **What information gaps due to missing, inaccurate, or incomplete records are you identifying?**
  - **Identifying opportunities to collect additional data from leakage repair and facility damage records**
  - **Cross bore data**
  - **Building a graphical representation of projects and leaks utilizing Optimain and GIS to better understand segment specific risks**
  - **Service stubs**
  - **Field fabricated risers**
  - **Isolated steel service lines**

Data Collection

- **How are you collecting the additional information needed to fill gaps due to missing, inaccurate, or incomplete records?**
  - **Considering the use of Pipe Exposure Data Form currently used for steel main exposures during O&M activities.**
  - **Material failure reports**
  - **ADHOC reports created to capture data from leakage records**
  - **Identification of field assembled risers and meter protection requirements while conducting three year service line leakage surveys.**

Data Capture on New Pipelines

- **What data do you capture and retain on a new pipeline installation?**
  - **Material Component (e.g., pipe, valve, fitting),**
  - **Material Type (e.g., steel, plastic),**
  - **Diameter,**
  - **Pipe Wall Thickness,**
  - **Pipe Grade,**
  - **Manufacturer,**
  - **Person Conducting Pressure Test,**
  - **Test Pressure & Duration,**
  - **Quantity,**
  - **In-Service Date, and**
  - **Location (e.g., County, City, Street).**

Action Plans to Enhance Data

- **NiSource Distribution Operations is evaluating the current capabilities for material tracing.**
- **Current Technology**
  - **Barcodes**
    - **Linear Barcodes (limited data storage)**
    - **2D Barcode Matrix**
  - **RFID**
    - **Information is held on the chip and can be transmitted electromagnetically to a remote reader**
- **Codes & Standards**
  - **The interest level in barcoding and RFID for material tracing has accelerated with the finalization of 192 Subpart P**
    - **Work completed on a new ASTM F2897-11 Standard for all types of gas fittings & pipe (http://www.astm.org/Standards/F2897.htm)**

Questions