Pipeline Safety Trust Conference
New Orleans, Louisiana
October 18, 2018

Chris Hoidal
PHMSA Office of Pipeline Safety
Risk Model Work Group

Overview

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Risk Modeling Work Group

• Mission Statement:
  – Characterize the state of the art of pipeline risk modeling for gas transmission and liquid pipelines,
  – **Identify** and, if necessary in specific areas, develop a **range** of state-of-the-art methods and tools capable of addressing the spectrum of pipeline risk management applications, and
  – **Provide recommendations** to PHMSA regarding the use of these methods, tools, and data requirements.
Risk Modeling Work Group

• Joint PHMSA / Industry Group: PHMSA Web Site
  – Has presentations and meeting notes
• For Gas Transmission and Hazardous Liquid Pipeline
• Approximately 30 participating members & alternates
  – Operators – Gas and Liquids
  – Trade associations – AGA, APGA, API, INGAA, B31.8S
  – NAPSR
  – National Labs
  – GTI
  – PHMSA
Risk Model Guidance Document

- Focuses on applicability of different risk model types to key risk management decisions required to properly implement Integrity Management, including:
  - Risk Priorities for Baseline Integrity Assessments
  - Identification of Preventive Measures and Mitigative Measures
  - Evaluation and Comparison of Preventive Measures and Mitigative Measures
  - Consideration of Threats and their Interactions in Risk Assessments
  - Benefit-Cost Analysis for Risk Reduction Options
  - Integrity Assessment Interval Determination
Risk Modeling Work Group

• “Risk Modeling Technical Guidance Document”
  – In development
  – PHMSA authored
  – Initial drafts distributed for Risk Model Work Group comments
  – Federal Register noticed for public comments
    • Docket: PHMSA-2018-0050
    • www.regulations.gov
    • August 16 to October 17, 2018 - Comment Period
  – PHMSA will finalize draft document after comment period ends
  – Overview of Guidance – my hold future workshop or webinar
Questions?