



How State Pipeline Safety Regulators Use Data Collected

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Representatives
("NAPSR")

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How State Regulators Use Data Collected By PHMSA

- **Identify significant increases/decreases in unaccounted gas percentages**
- **Reduction in vintage pipeline materials**
- **Inspection prioritization:**
 - **Size of operator; main mileage and service line count**
 - **System Age - materials and condition**
- **To determine need for revised/additional State statutes**
- **To determine topics to be addressed at State conferences**
- **Anticipate and prepare for public response/inquiries**



How State Regulators Use Data Collected by the State

- **Inspection Resource Management**
 - Inspector Assignment: Number & Expertise
- **Enforcement Focus**
 - Penalty vs. Other Measures
- **Scheduling**
 - Frequency & Type of Inspection
- **Training Needs**
 - Inspectors and Operators



Damage Rates and Causes

- **Total Tickets Requested – Damage Likelihood**
- **Damages By Excavators – Threat Level**
- **Damage Causes**
 - **No Request**
 - **Inadequate Excavation Practices**
 - **Inadequate Response (No Response or Inaccurate locate)**
- **1st and 2nd Party Damages**
 - **Training vs. Excavation Practices**



Incident Causes

- **Determine Focus of Inspection Resources**
 - O&M Procedures vs. OQ
- **Third Party Damage**
 - Awareness vs. Enhanced Enforcement
- **Material/Mechanical Failure**
 - Need for Advisories
 - Need for Replacement Programs
 - Need for Revised/Enhanced O&M Practices



Incident Reporting Compliance

- **Report to PHMSA**
 - **Telephonic Notification and Written Report**
- **Report to State**
 - **Meeting State Reporting Time Requirement**
 - **Meeting State Damage Threshold for Reporting**
 - **Written Reports (Initial, Supplemental, Final)**
 - **Accuracy of Written Reports**
 - **Cause of Incident Validation**



State Agency Order Tracking

- **Replacement Program Progress**
 - **Adherence to Ordered or Approved Replacement Programs**
 - **Accelerated Cost Recovery**
 - **Validation of Effectiveness and Cost**
- **Special Permit Monitoring**
 - **Compliance with Permit Conditions**
 - **Verification of No Threat to Safety**



Evaluation of Operator Emergency Response

- **Receipt of Report to Dispatch**
 - Internal Process Issues
- **Dispatch to Arrival Time**
 - Resource Distribution (Geographical)
 - Resource Allocation (Need for Shift Overlap)
- **Arrival to “Gas Off” or “Made Safe”**
 - Dispatch of Appropriate Personnel
 - Equipment Availability



OQ Program Evaluation

- **Adequacy of OQ Program**
 - **Frequent NOPVs regarding failure to follow procedures**
 - **Increasing Incidents due to Operator Error**



Leaks: Classification and Cause

- **Adequacy of Leak Management Program**
 - Evaluate Frequency of Leak Inspection
 - Leak Classification Issues
- **Need for Replacement Programs**
- **Material Issues**
- **Training Issues**



Confirm Cost Effectiveness of Actions to Improve Reliability

- **Infrastructure Replacement vs. Leak Rates**
- **Customer Owned Yard Line Replacements**
- **Pressure Regulation Equipment Upgrade**
 - **Frequency of failure**



Thank You!