West Virginia
Public Service Commission
Gas Pipeline Safety Section

Oil and Natural Gas Industry Workshop
May 16, 2013
Charleston Civic Center
Charleston, West Virginia
Update from 201 Brooks Street...
Gas Pipeline Safety Section

- Legislative History
- Staff
- Data / Statistics
- Ongoing Investigations
- WV Pipeline Safety Issues
History

- **Natural Gas Pipeline Safety Act of 1968**
  Delegates regulation of natural gas pipelines to the US Dept. of Transportation

- **Hazardous Liquid Pipeline Safety Act of 1979**
  Delegates regulation of hazardous liquid pipelines to the US Dept. of Transportation

- **West Virginia Code, Chapter 24B**
  Authorizes WV PSC to prescribe and enforce safety standards consistent with Acts of 1968 and 1979
More History...

- WV regulates intrastate pipelines by **Certification** to the Office of Pipeline Safety (PHMSA)
- OPS evaluates our program annually to verify compliance with our certification
- WV inspects interstate pipelines pursuant to **Interstate Agent Agreement** with DOT
- WV is one of 9 interstate agent states for NG
Regulations

- **Federal**: Title 49, Part 192, Transportation of Natural and Other Gas by Pipeline
- **Federal**: Title 49, Part 195, Transportation of Hazardous Liquids by Pipeline
- **State**: 150 CSR 4, Rules for the Government of Gas Utilities and Pipeline Safety, effective March 4, 2007
The Gas Pipeline Safety Section is funded through special revenue.

About 65% of our funding is through a grant from the Office of Pipeline Safety.

Remaining funding is through pipeline assessments of interstate and intrastate operators.
Our Staff...

- Girija Bajpayee 340-0465
- Corey Boggess 340-0814
- Ed Clarkson 340-0465
- Bill Youse 340-0878
- Dave Hippchen 340-0393
- Julie Caton – Office Assistant 340-0465
Pipeline Operators in WV

- Interstate Transmission 6
- Intrastate Transmission 11-G 5-HL
- Jurisdictional Gathering 23
- Local Distribution 15-G 1-LPG
- Master Meters 45

- As of 12–31–12
Pipeline Mileage in WV

- Transmission: 4,034
- Gathering: 555
- Distribution: 10,561
- Hazardous Liquid: 182

Top 4 counties: Kanawha, Marshall, Wetzel & Doddridge
## Incidents – Distribution

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<th>Year</th>
<th>No.</th>
<th>Fatalities</th>
<th>Injuries</th>
<th>Damages</th>
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# Incidents – Transmission

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**Totals** 9 0 1 $1,174,905
Incidents

- Columbia – Adaline Station (1–21–12)
- EQT Midstream – Copley Run Station (4–7–12)
- Columbia – Flat Top Station (10–30–12)
- Columbia – Line SM–80 (12–11–12)
NTSB Investigates

- NTSB can override PHMSA and State jurisdiction for transportation accidents
- Team arrived on-scene December 12
- Team concluded onsite inspection Dec. 18
NTSB Investigation Elements

- Design and Construction
- Metallurgical properties
- Operation and Maintenance Practices
- Control Room Management
- Emergency Plan Implementation
- Integrity Management Assessments
- Road Crossings and HCAs
- Valve Closure
- Prior PHMSA / WV PSC Inspections
SM–80 Details

- 20” diameter, 0.281” wt, X–60 ERW
- MAOP 1000 psi
- Failure pressure 929 psi
- Time of failure 12:41 pm, 12–11–2012
- Downstream valves closed 1:20 pm
- Upstream valves closed 1:36 pm
- 3 homes destroyed, several damaged
- No fatalities, no injuries
- General wall thinning over 2’ x 6’ area
- Minimum wall thickness 0.078”
NTSB Investigation

- Will issue a factual report and an analysis report
- Factual report provided to parties
- Analysis report not available until final report is issued
- Recommendations included with analysis
- Process usually takes 6 – 12 months
- Preliminary report issued 1–16–2013
Pipeline Safety, Regulatory Certainty and Job Creation Act of 2011

- Bill signed by President on Jan. 3, 2012
- Pipeline Damage Prevention
- Automatic or Remote-Controlled Valves
- Integrity Management
- Public Education and Awareness
- Incident Notifications
- Gas and Hazardous Liquid Gathering Lines
- MAOP
Excavation Study Report

- Frequency & severity of incidents
- Analysis of exemptions
- Comparisons of exemptions to types of incidents
- Pros and cons for eliminating mechanized excavation exemptions
- Due by 1–3–2014
GAO study issued 1–23–2013

- Improve the reliability of incident response data
- Use PHMSA info-sharing system to alert pipeline operators of enforcement guidance and decision-making approaches to install automated valves
- NTSB: Time for PG&E to shut off flow of gas at San Bruno (95 minutes) was excessive
Automatic / Remote Valves

- DOT to publish NPRM for installation of AO/RC valves on new or replaced segments
- Where economically, technically, or operationally feasible
- Due by 1–3–2014
DOT to evaluate whether IMP requirements to be extended beyond HCAs
DOT to evaluate if implementing Item 1 allows elimination of class location units
NPRM on or before 1-3-2014
Congress to review DOT report no later than 1-3-2015
GAO to study revising reassessment interval from 7 years to risk based alternative
Accident / Incident Notifications

- DOT to revise regulations to establish time limits for telephonic / electronic notifications
- One hour time limit following confirmed discovery
- By 7–3–2013
Gathering Lines

- DOT to review and report to assess:
  - Sufficiency of existing state and federal regulations
  - Economic and technical practicality of extending federal regulations to non-DOT lines
  - Need to revoke exemptions based on risk
  - Due by 1–3–2014
Gathering Lines

- 192.8: Beginning, end points of gathering; Type A and Type B lines
- 192.9: What code compliance activities are required for Type A and Type B lines
- 150 CSR 4, Sections 9 and 11 (Regarding “rural” and “non–rural” definitions, and inspection and maintenance plans)
- 35 CSR 4, Section 16.7 (All production and gathering lines not regulated by US DOT)
Recent Incidents – NRG

- Williams Ohio Valley Midstream (3–22–2013)
  Located near Cameron, Marshall County
  24” line, MAOP 1200 psi, 1027* psi failure

- Eureka Hunter Pipeline (4–11–2013)
  Located near Wick, Tyler County
  Ignition of pipeline liquids during pigging operation; 2 fatalities, 2 injuries
PSC Interest in NRG

- Incident investigations and data
- Resident complaints
- Leak reports
- Proximity to DOT pipelines
Operators verify records in Class 3 & 4 (all) and Class 1 & 2 (HCAs) Complete by 7–3–2013

Operators to identify segments with insufficient records by 7–3–2013

Operators to report excursions above MAOP to state and PHMSA (effective from signing)
MAOP

- DOT to issue regulation for hydrotesting or in-line inspection of lines operating >30% SMYS in HCAs that were not previously tested
- DOT to issue deadline after consultation with states and FERC
- By 7–3–13
NTSB – Recommendations to PHMSA based on San Bruno

- Require operators to provide system specific information to emergency response agencies where pipe is located.
- Require control room operators to immediately notify 911 when a possible rupture is indicated.
Pipeline operators with existing OpID must validate information by 9-30-2012
New operators must request OpID
https://portal.phmsa.dot.gov/phmsaportallanding
Changes in operator name or divestiture of assets to be reported
Contact Us

- Main PSC Number  304–340–0300
- Pipeline Safety Section  304–340–0465
- Telephonic Reports  304–552–1053 primary
- www.psc.state.wv.us
- www.phmsa.dot.gov