

Gas Pipeline Safety Staff

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Web PortalGas Pipeline Safety Launch Page - Public ServiceCommission of West Virginia (state.wv.us)(password required)						
Web Site Commission (stat		<u>ety - West Virginia Public Service</u>				

TYPE OF PIPELINE MILES							
			Regulated Gas Gathering ⁽²⁾	Gas Distribution			
Year	Hazardous Liquid ⁽¹⁾	Gas Transmission (Intrastate)		Mains	Services	Total	
2022	142	221	2,637	11, 080	2,302	16,382	
2021	142	212	317	11,054	2,289	14,014	
2020	142	212	328	11,031	2,322	14,035	
2019	188	170	400	11,007	2,237	14,002	
2018	151	168	399	10,961	2,282	13,974	
 ⁽¹⁾ Includes both transmission and gathering ⁽²⁾ Number may not represent all regulated gathering 							

Inspection Performance							
Year	Inspections	Inspectors	Inspection Days				
2022	224	4 FT, 3PT	619				
2021	253	3FT, 3PT	710				
2020	154	4 FT	525				
2019	178	4 FT	516				
2018	137	2 FT, 3PT	439				

Other Numbers

$^{\circ}\,2022$

- Inspected 100% distribution operators, 93% of transmission/gathering operators, 86% of hazardous liquid operators
- >85% of units in state (excluding master meters)
- >355 major construction reports (>\$50,000)
- Visited approximately 22% of jobs
- > Approximately 25% inspection days on construction
- >Three reportable incidents



Incident Cost

- §191.3 Incident definition
 - Estimated property damage
 - >Loss to operators and others, or both, but excludes gas loss
 - ➢Cost may be adjusted annually
 - >July 1, 2022 increased to **\$129,300**
 - >§150 CSR4, Section 9.6
 - Remember West Virginia limit is still \$50,000,including gas lost
 - > Telephonic report to GPSD emergency number
 - >30 day written report

Drug and Alcohol

December 23, 2022

Reduce rate of testing for covered employees to 25% for calendar year 2023

Positive drug test rate below 1.0% for 2 consecutive calendar year

>Information submitted through PHMSA portal

ADB 22-01

Potential for Damage to Pipeline Facilities cause by Earth Movement and Other Geological Hazards

- >2020 accident in Satartia, MS
- > Changing weather patterns may affect integrity
- Between 2015 and 2020 WV lead in pipeline events due to land movement
- Provide 9 actions to ensure pipeline safety
 - >May be considered both preventative and mitigative measures
 - >May be used as P&M measures for integrity management purposes

Movement may be reportable as safety related conditions under §§191.23 and 195.55

Gathering Line Rule

Safety of Gas Gathering Pipelines: Extension of Reporting Requirements, Regulation of Large, High-Pressure Lines, and other Related Amendments

≻Amdts 191-30, 192-129,

➢ corrections in191-31, and 192-131

- Issued November 2, 2021
- Effective May 16, 2022
- Compliance deadlines of May 16, 2023
- >Amdt. 192-132 some exceptions for all gathering lines

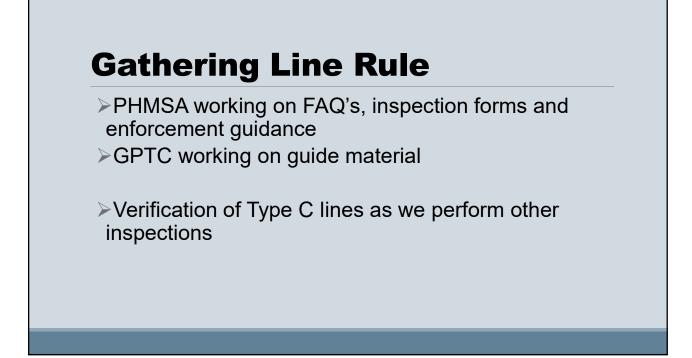
Gathering Line Rule

Created new Type C lines, and Type R lines

- ➢ Presentations to GOWV
- > Determine status of lines by November 16, 2022
- Reporting required March 15, 2023 for lines operated in 2022

>Limited stay of enforcement for small diameter line

Not required to perform any inspection in 2023



Valve Rule

Valve Installation and Minimum Rupture Detection Standards

- >Amendments 192-130 and 195-105
- ➢Issued April 7, 2022
- ≻Effective October 5, 2022

➢Applies to HL & gas transmission lines ≥ 6" in diameter and HL gathering lines that span water crossings >100 feet, and HL low stress lines subject to §195.260(e)

Valve Rule

- Rupture-mitigation valve (RMV)
- Minimize the volume of a release and mitigate the consequences
- >Automatic shut-off valve (ASV)
- ≻Remote-control valve (RCV)
- >Alternative equivalent technologies



Valve Rule

Newly constructed or "entirely replaced" pipelines must be equipped with rupture mitigation valves or alternative equivalent technology

Entirely replaced 2 or more miles of pipe, in the aggregate, that have been replaced within 5 contiguous miles in a 24 month period (§§192.3, 195.2)

New valve spacing requirements for gas transmission and hazardous liquid pipelines

Valve Rule

Release of product representative of a notification of potential rupture, as soon as practicable but within 30 minutes operator must:

>Identify the rupture

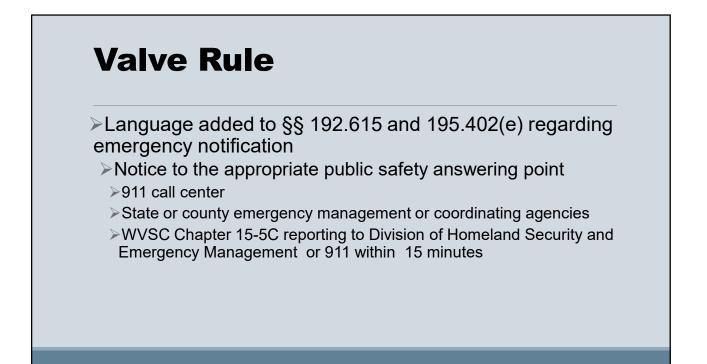
Fully close any RMV or alternative technology to mitigate the rupture

Valve Rule

Develop written procedures regarding identification and confirmation of ruptures

Maintenance and drill requirements for equivalent technology to ensure 30 minute valve closure

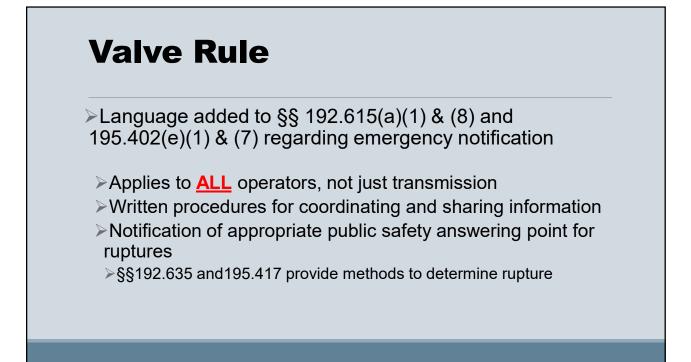
Investigation following rupture with any lessons learned implemented in system



Emergency Plans §§ 192.615 & 195.402

9-1-1 notification requirements

- Liaison with and contact appropriate public safety answering point if available – if not, liaison with and contact appropriate local emergency coordinating agencies
- Learn responsibilities, resources, jurisdictional areas, emergency contact numbers for those government organizations that may respond to emergencies involving pipeline facilities



§192.617

>No longer just failure investigation

- > Changes in failure and incident investigation
 - Establish and follow procedures of investigating and analyzing failures and incidents
 - Post-failure and incident lessons learned from post-failure or incident review incorporated into training and qualification, design construction testing maintenance

Additional requirements for transmission lines and events involving RMVs.

Safety of Gas Transmission Pipelines: Repair Criteria, Integrity Management Improvements, Cathodic Protection, Management of Change, and Other Related Amendments

>Amendment 192-132

Referred to as Rin 2 of Megarule

Issued August 24, 2022

Effective May 24, 2023

Issued to improve the safety of onshore gas transmission lines

Transmission Rule

Definitions in §192.3

Transmission line –

> Pipeline or connect series of pipelines

Transports gas from gathering line to a distribution center, storage facility, or large volume customer not downstream from distribution center

≻MAOP ≥ 20% SMYS

>Transports gas in a storage field, or

> Is voluntarily designated by the operator

Definitions in §192.3

Distribution Center

initial point where gas enters piping used primarily to deliver gas to customers who purchase it for consumption, as opposed to customers who purchase it for resale, for example:

(1) At a metering location;

(2) A pressure reduction location; or

(3) Where there is a reduction in the volume of gas, such as a lateral off a transmission line

NAPSR petitioned for stay of enforcement

Transmission Rule

Additional definitions in §192.3

Dry Gas
 Gas above its dew point and without condensed liquids

Close Interval Survey

Hard spot

ILI

In-line inspection tool or instrumented internal inspection device

Wrinkle bend



§192.7 New incorporated by reference documents

§192.13(d) – Management of change process

Outlined in ASME/ANSI B31.8S Section 11

• For non-HCAs implemented by February 26, 2024

Transmission Rule

Inspection of coating on transmission lines after construction ° §§192.319, 192.461

Monitoring and remediation ° §192.465

Interference Currents • §192.473

Internal Corrosion control ° §192.478

Continuing Surveillance ° §192.613

Repair and Remediation ^o §§192.711, 192.714

Remaining Strength and critical strain levels • §§192.485, 192.712

IM Changes

 §§192.911, 192.917, 192.923, 192.927, 192.929, 192.933, 192.935, and 192.941 (low stress reassessments)

Safety of Gas Distribution Pipelines (RIN: 2137-AF53)

Addresses Leonel Rondon Act within the PIPES Act of 2020

Major topics under consideration

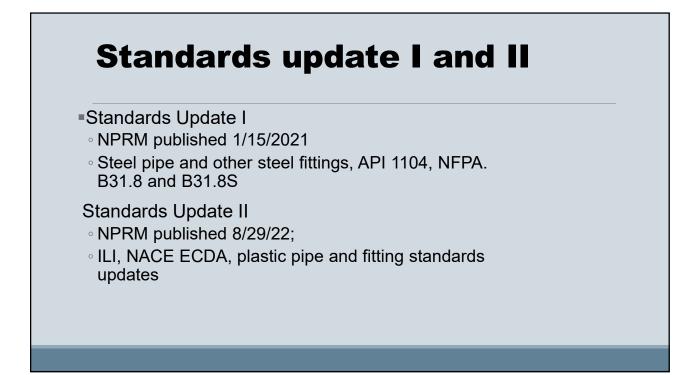
- Sections 202; 203; 204 and 206 DIMP Plans, Emergency Response Plans, Records, presence of qualified employees, safety of district regulator stations, operations and maintenance
- Transmitted to DOT Secretary on 2/14/23
- Next action: 2023 NPRM

Pipeline Operational Status (RIN: 2137-AF52)

- Idled Pipelines
- PIPES Act of 2020 defines an "idled pipeline"
 - Will not resume service in 180 days
 - Has been isolated from all sources of hazardous liquid, natural gas and has been purged.
- API RP 1181; addresses idled pipelines
- Next action: 2023 NPRM

Class Location Change Requirements

- •NPRM published 10/14/20
- Current Requirements when class locations change
 Valve spacing for class changes addressed in valve rule
- Major Topics include option of management type approach vs pipe replacement, examination of additional options,
- PIPES Act 2020 mandate to have a GPAC meeting
- Anticipate 2023 Final Rule



Unusually Sensitive Area (USA) Definition for HL Pipelines

USA Interim Final Rule has a comment end date and effective date published on 12/27/2021

- Addresses USAs for Great Lakes, Coastal Beaches and Certain Coastal Waterways
- PHMSA recently updated its National Pipeline Mapping System (NPMS)
 Updated to show USAs
- Effective date is 2-25-2022, limited stay of enforcement on April 21, 2022
- Waiting on final rule

Hazardous Liquid Pipelines Repair Criteria

 This rule was split from original Hazardous Liquid NPRM published on 10/13/2015

Repairs in HCA and non-HCA areas

NPRM date and content to be determined

Next action to publish NPRM



