



Pipeline and Hazardous Materials Safety Administration

Office of Pipeline Safety

Pipeline Safety Regulatory Update



What's Happening

- **PIPES Act 2020**
 - **Impact on current regulatory agenda**
 - **PIPES Act Web Chart**
 - Monthly updates
- **White House Methane Reduction Action Plan**
- **Rulemaking Timelines**
 - **Reginfo.gov**
- **Advisory Bulletins**
 - **Earth Movement and other geological hazards (6/2/22)**



PIPES Act Web Chart

<https://www.phmsa.dot.gov/legislative-mandates/pipes-act-web-chart>

PIPES ACT 2020 WEB CHART										
Rule Title/Subject/Docket No.	RIN	Rule Stage	Legislation	Description of Work Plan	Rulemaking Timeline (*actual date)		OST Date for Completing Review (45 days)	Date(s) Sent back to PHMSA	Date(s) Sent Back to OST	Current Staff PHMSA/OST Allocation **
PS: Safety of Gas Transmission Pipelines: Discretionary Integrity Management Improvements	2137-AF39	Final Rule	Pipeline Safety 2011 Sec 5	Complete Final Rule	To OST To OMB FR Pub	09/07/21* 02/23/22* 09/02/22	10/22/21	11/15/21 12/15/21 01/26/22	12/10/21 01/25/22 01/26/22	9 staff PHMSA 5 staff OST
PS: Gas Pipeline Leak Detection	2137-AF51	NPRM	PIPES Act 2020 Sec 113	Complete NPRM	To OST To OMB FR Pub	09/16/22 11/03/22 02/17/23				8 staff PHMSA 5 staff OST
PS: Safety of Gas Distribution Pipelines	2137-AF53	NPRM	PIPES Act 2020 Leonel Rondon Act Sec 202, 203, 204, and 206	Complete NPRM	To OST To OMB FR Pub	09/16/22 11/03/22 02/17/23				8 staff PHMSA 5 staff OST
PS: Amendments to Regulated Natural Gas Facilities	2137-AF45	NPRM	PIPES Act 2016 Sec 27; PIPES Act 2020 Sec 110	Complete NPRM	To OST To OMB FR Pub	09/30/22 11/18/22 03/06/23				8 staff PHMSA 5 staff OST



PAC Activity

- **Most Recent PAC meetings:**
 - August 17, 2022 (LPAC)- USA IFR
 - October 20 – 21, 2021 (GPAC and LPAC) – Standards Update I rule
- **Rulemakings requiring PAC Meeting:**
 - Class Location (GPAC)



Original Gas Rule NPRM Issued on 4/8/16

Split Into Three Final Rules:



RIN 1 – Safety of Gas Transmission Pipelines:

MAOP Reconfirmation, Expansion of Assessment Requirements, and Other Related Amendments

- Final Rule Published October 1, 2019

RIN 2 (2137-AF39) – Repair Criteria, IM Improvements, Cathodic Protection, Management of Changes, and Other Related Amendments

- Final Rule publishes August 24, 2022

RIN 3 (2137-AF38) – Gas Gathering

- Final Rule Published November 15, 2021



Safety of Gas Transmission Lines

(RIN: 2137-AF39)

- **Final Rule publishes 8/24/2022 (on public display today)**
 - Effective Date: 5/24/23
- **GPAC meetings held January 2017; June 2017, Dec 2017, March 2018**
- **Major topics**
 - Repair criteria
 - Inspections following extreme weather events
 - Assessments
 - Corrosion control
 - Management of change
 - IM clarifications



Safety of Gas Transmission Lines (cont.)

Highlights of new requirements

- Definitions (§ 192.3)
- Management of Change (§§ 192.13 & 192.911)
- Corrosion Control (§§ 192.319, 192.461, 192.465, 192.473, 192.478, 192.935)
- Inspections Following Extreme Events (§ 192.613)
- Repair Criteria (§§ 192.711, 192.714, 192.933)
- IM Clarifications (§§ 192.917 (a) – (d), 192.935(a))
- Strengthening Requirements for Assessment Methods (§§ 192.923, 192.927, 192.929)



Rupture Detection and Valve Rule

(RIN: 2137-AF06)

- **Final Rule published 4/8/2022**
 - Effective Date: 10/5/22; 4/20/23
- **NPRM published 2/26/20**
- **PAC meetings held 7/22/20 to 7/23/20**
- **Major topics**
 - Rupture mitigation valves (RMVs)
 - Installation, operation, spacing, and alternatives
 - Emergency plans
 - Notifications of potential ruptures
 - Leak detection
 - Post failure and incident procedures



Rupture Detection and Valve Rule (cont.)

Highlights of new requirements

- RMVs required for newly constructed HL and Gas transmission(GT) /Type A gas gathering pipelines that are ≥ 6 " in diameter
 - Exception for Class 1 and 2 lines with 150ft PIR
- Pipelines that are newly constructed or “entirely replaced” must be equipped with “rupture-mitigation valves” or alternative equivalent technology
- New valve spacing provisions HL and GT pipelines



Rupture Detection and Valve Rule (cont.)

Highlights of new requirements (cont.)

- If an operator observes or is notified of a release of gas or HL that may be representative of a “notification of potential rupture,” the operator must, as soon as practicable but within 30 minutes:
 - identify the rupture,
 - fully close any rupture-mitigation valves necessary to mitigate the rupture – mainline valves, cross-over valves and laterals.



Rupture Detection and Valve Rule (cont.)

Highlights of new requirements (cont.)

- Development of written procedures to identify and confirm whether a “notification of potential rupture” is a rupture.
- Maintenance and drill requirements for equivalent technology to ensure the valve can close within 30 minutes after identifying a rupture.
- Operator investigation following a rupture with any lessons learned implemented throughout the pipeline system.
- Updated 9-1-1 notification requirements (direct notification of appropriate public safety answering point).



Safety of Gas Gathering Lines

(RIN: 2137-AF38)

- **Final Rule published 11/15/21**
 - Effective date: May 16, 2022
- **GPAC Meetings held June 2019**
- **Major topics**
 - Incident and annual reporting
 - Change in use of incidental gathering
 - New Type C category.
- **Petition for reconsideration received; response sent 4/1/2022; appeal and lawsuit; stay of enforcement issued**



Safety of Gas Gathering Lines (cont.)

Highlights of new requirements :

- Annual and incident reporting for all gas gathering lines, including previously unregulated lines (over 425,000 miles of pipe). (new “Type C” and “Type R” gathering lines)
- Incidental gathering line exception limited to lines 10 miles or less.
- Impact of new “Type C” category for gathering lines:
 - 91,000 additional miles of pipe subject to damage prevention, and emergency planning requirements.
 - 20,000 additional miles of pipe subject to public awareness, line marker, corrosion control and leak survey requirements.
 - 14,000 additional miles of pipe subject to MAOP requirements.
 - All new and replaced pipe 8 inches or greater will have to be constructed in accordance with the current pipeline safety regulations.



Safety of Gas Gathering Lines (cont.)

Rule Coverage

Provision	Scope	Estimated Mileage
Reporting (incident, annual) - Part 191	Previously unregulated gathering	>400,000 miles
Design, Construction, initial Inspection and Testing*	All new and replaced Type C (diameter \geq 8.625")	New and replaced only
Damage Prevention - § 192.614	All Type C (diameter \geq 8.625")	90,863 miles
Emergency Plans - § 192.615	All Type C (diameter \geq 8.625")	90,863 miles
Public Awareness - § 192.616	Diameter 8.625" through 16" with a PIR exception All Type C with a diameter >16"	20,336 miles
Line Markers - § 192.707	Diameter 8.625" through 16" with a PIR exception All Type C with a diameter >16"	20,336 miles
Corrosion Control - Subpart I to part 192	Diameter 8.625" through 16" with a PIR exception All Type C with a diameter >16"	20,336 miles
Leakage Surveys and Repairs - §§ 192.703, 192.706	Diameter 8.625" through 16" with a PIR exception All Type C with a diameter >16"	20,336 miles
Maximum Allowable Operating Pressure - § 192.619	Diameter >12.75" through 16" with a PIR exception All Type C with a diameter >16"	13,760 miles
Plastic Pipe Requirements	Diameter >12.75" through 16" with a PIR exception All Type C with a diameter >16"	13,760 miles

* Allowance for the use of composite pipe and short segment replacements



Coastal Ecological Unusually Sensitive Areas

(**RIN: 2137-AF31**)

- **Interim Final Rule (IFR) published 12/27/2021**
 - Effective date 2/25/2022
 - API GPA Petition lawsuit
 - PHMSA Response; stay of enforcement (low stress/gathering)
- **LPAC meeting on 8/17/2022**
- **Major topics**
 - Addresses Beaches and Coastal Waterways
- PHMSA recently updated NPMS
 - **Next Action:** Issuance of Final rule



Class Location Requirements

(RIN: 2137-AF29)

- NPRM published 10/14/20
 - Comment period ended 12/14/20
- **Major topics under consideration**
 - Options for CL changes due to population increases
- **Next Action: PAC meeting TBD**
 - PIPES 2020 Act



Liquefied Natural Gas

(RIN: 2137-AF45)

- **Major topics under consideration:**
 - Updated NFPA 59A
 - Petitions for Rulemaking
- **PIPES Act 2020** (Section 110; PSM for O&M activities)
- **Next Action:** Issuance of NPRM



Standards Update

(RINs: 2137-AF13 and 2137-AF48)

Standards Update I (RIN: 2137-AF13)

- NPRM published 1/15/2021
 - Comment period ended 3/16/2021
 - PAC meeting held 10/21/21
- Major topics under consideration
- Next Action: Issuance of Final Rule

Standards Update II (RIN: 2137-AF48)

- Pending publication of NPRM



Liquid Pipeline Regulatory Reform

(**RIN:** 2137-AF37)

- **NPRM published 4/16/20**
 - Comment period ended 6/15/20
- Major topics under consideration
- **Next action:** Issuance of SNPRM
- **Note:** Name changed to “Pipeline Safety: Oil Spill Response Plans, Accident Notifications, Inspections and Investigations and other Miscellaneous Pipeline Safety Changes”



Hazardous Liquid Repair Criteria

(RIN: 2137-AF44)

- **Under Development**
- Split from original Hazardous Liquid NPRM published on 10/13/2015
- Major topics under consideration
 - Repairs in HCA and non-HCAs
- **Next action:** Issuance of NPRM



PIPES Act of 2020 – Section 113

Leak Detection

(RIN: 2137-AF51)

- **Under Development**
 - **Major topics under consideration**
 - ALD's
 - Survey frequency
 - Repair criteria
 - Blowdowns
 - Vented vs Fugitive emissions
 - **Next action:** Issuance of NPRM
- * Leak Detection Advisory Bulletin published 6/10/2021



Safety of Gas Distribution Pipelines

(RIN: 2137-AF53)

- **Under Development**
- Addresses Leonel Rondon Act in the PIPES Act of 2020
- **Major topics under consideration**
 - Distribution integrity management plans
 - Emergency response plans
 - Operations and maintenance
- **Next action:** Issuance of NPRM



Pipeline Operational Status

(RIN: 2137-AF52)

- **Under Development**
- 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 has been purged.
- API RP 1181; addresses idled pipelines
- **Next action:** Issuance of NPRM



Carbon Dioxide

(RIN: 2137-AF60)

- **Under Development**
- In response to carbon capture initiatives, and the growth of CO₂ pipelines – both liquid and gaseous
 - Gaseous vs liquid pipelines
 - Vapor dispersion modeling for CO₂ pipelines
 - Crack arresters
 - **Next action:** Issuance of NPRM



Questions?

