

Pipeline Safety: Regulatory Agenda

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Recent and Upcoming Final Rules

Published:

1. Safety of On-Shore Hazardous Liquid Pipelines (published 10/1/2019)
2. Safety of Gas Transmission Pipelines (mandates) (published 10/1/2019)
3. Emergency Orders (published 10/1/2019)
4. Underground Storage Facilities for Natural Gas (published 2/12/20)

Upcoming:

1. Safety of Gas Transmission Pipelines (RIN-2)
2. Safety of Gas Gathering Pipelines (RIN-3)



Recent and Upcoming Proposed Rules

Published:

1. Rupture Detection and Valve (NPRM)
(published 2/6/2020; comment period ended)
2. Liquid Pipeline Regulatory Reform (NPRM)
(published 4/16/2020; comment period ends 6/15/20)
3. Gas Pipeline Regulatory Reform (NPRM)
(published - 6/9/2020; comment period end 8/9/20)

Upcoming:

1. Standards Update (NPRM)
2. Class Location Requirements (NPRM)



Current Rulemakings in Process

2020 PAC Activity

- The Gas Pipeline Advisory Committee (GPAC) and the Liquid Pipeline Advisory Committee (LPAC) will have to meet for each NPRM, as applicable
- Meetings scheduled for November 18th - 19th
- Meeting of the GPAC on the Gas Regulatory Reform NPRM was held on October 7th



Recently Issued Rulemakings

Safety of On-Shore Hazardous Liquid Pipelines Safety of Gas Transmission Pipelines (mandates) Emergency Orders

- Final Rules published 10/1/2019
- Effective date for GT and HL final rules: 7/1/2020
- Effective date for emergency order final rule 12/2/2019
- Received petition for reconsideration on 10/31/2019 (Gas Transmission final rule)
 - PHMSA response on 12/20/19
- FAQ's under development/Houston Public meeting



Recently Issues Rulemakings

Safety of Underground Natural Gas Storage Facilities

- Final rule published 2/12/2020
- Major topics of the final rule:
 - Operators must comply with minimum safety standards, including compliance with API Recommended Practices (RPs):
 - API RP 1171, Functional Integrity of Natural Gas Storage in Depleted Hydrocarbon Reservoirs and Aquifer Reservoirs (First Edition, 2015)
 - API RP 1170, Design and Operation of Solution-mined Salt Caverns Used for Natural Gas Storage (First Edition, 2015)
 - Removes the requirement that modified the non-mandatory RPs
 - Removes the requirement that an operator must provide a written justification for not performing a non-mandatory RP
 - Formalizes deadlines for operators to implement their IM programs and conduct baseline risk assessments
 - Adds a requirement for operators of solution-mined salt caverns to follow same risk management practices as other natural gas storage operators
 - Narrows the scope of reportable events or changes at a facility



Current Rulemakings in Process

Safety of Gas Transmission (RIN-2)

(Final rule stage)

- NPRM published 4/8/2016
 - Comment period closed 7/7/2016
 - Split from original Gas Transmission NPRM
- GPAC meetings held January 2017; June 2017, Dec 2017, March 2018
- Major Topics under consideration:
 - Repair criteria for both HCA and non-HCA areas
 - Extreme weather inspections
 - Strengthening assessment requirements
 - Corrosion control
 - Management of change
 - IM clarifications
- Final rule anticipated by fall of 2020



Current Rulemakings in Process

Safety of Gas Gathering Lines (RIN-3)

(Final rule stage)

- NPRM published 4/8/2016
 - Comment period closed 7/7/2016
 - Split from original Gas Transmission NPRM
- GPAC meeting held June 2019
- Major topics of rule:
 - Revision to the definitions for gas gathering (production, gathering, incidental gathering, elimination of RP 80 reference)
 - Data collection for all gas gathering lines (including unregulated gas gathering): Annual reporting and Incident Reporting
 - Appropriate regulations large diameter-high pressure lines and establish minimum set of requirements for pipelines 8.625 inches in diameter and greater
- Final rule anticipated by fall of 2020



Current Rulemakings in Process

Rupture Detection and Valve Rule (NPRM stage)

- NPRM published 2/6/20
 - Comment due by 4/6/20
 - PAC meetings held July 22sd & 23rd
- Major proposals:
 - Installation of automatic shut-off valves (ASV) or remote controlled valves (RCV) on newly constructed or entirely replaced (2 miles or more) natural gas and hazardous liquid transmission pipelines (with nominal diameters ≥ 6 inches) with the objective of improving overall incident response for new and replaced pipelines
 - Operators must be able to detect ruptures within 10 minutes
 - Valves must be closed within 40 min of detection or as soon as practicable
 - 2011 PIPES Act, NTSB Recommendations and studies performed by both PHMSA and GAO



Current Rulemakings in Process

Liquid Pipeline Regulatory Reform (2137-AF37) (NPRM stage)

- NPRM published 4/16/20
 - Comment due by 6/15/20
- Major topics under consideration:
 - Propose a number of amendments intended to ease regulatory burdens on hazardous liquid pipelines regarding:
 - Submitting information to PHMSA
 - Response plan clarifications
 - Accident reporting criteria
 - Remote monitoring of rectifiers
 - Corrections to IM guidance
 - Amendments drawn from PHMSA's internal E.O. 13777 review, comments on U.S. DOT notices, and petitions for rulemaking



Current Rulemakings in Process

Gas Pipeline Regulatory Reform (2137-AF36)

(NPRM stage)

- NPRM published – 6/9/20
 - Comment due by 8/10/20
 - PAC meeting – 10/7/20
- E.O. 13771 deregulatory action
- Amendments drawn from PHMSA’s internal E.O. 13777 review, comments on U.S. DOT notices, and petitions for rulemaking



Current Rulemakings in Process

Gas Pipeline Regulatory Reform (2137-AF36)

(NPRM stage)

- Major topics under consideration:
 - Propose a number of amendments intended to ease regulatory burdens on gas distribution and transmission pipelines regarding:
 - DIMP requirements for farm taps and master meters
 - Mechanical fitting failure reports
 - Incident reporting criteria
 - Remote monitoring of cathodic protection rectifiers
 - Atmospheric corrosion assessment requirements for gas distribution service pipelines
 - Standards for polyethylene pipe and pressure vessels
 - Welder requalification
 - Pre-installation testing



Current Rulemakings in Process

Liquefied Natural Gas (NPRM stage)

- Major topics under consideration:
 - Revise 49 CFR Part 193 to incorporate current industry developed standards (via NFPA 59A-2019)
 - Address LNG Export Facilities
 - Address Small Scale LNG Facilities
 - Incorporate other provisions as necessary
 - Address April 15, 2019 Presidential E.O. 13868
- NPRM TBD



Current Rulemakings in Process

Standards Update (NPRM stage)

- Major topics under consideration:
 - Address the set of incorporated by reference (IBR) standards throughout PHMSA's Part 192 and Part 195 with updated revisions of standards from all standard organization bodies
- NPRM late fall of 2020



Current Rulemakings in Process

Class Location Requirements (NPRM stage)

- Major topics under consideration:
 - Examining options for existing pipe when class locations change due to population increases near pipeline and MAOP is not commensurate with new class location
- ANPRM published 7/31/18
- Current requirements when class locations change:
 - Reduce operating pressure
 - Confirm new MAOP with pressure test
 - Replace pipe with thicker wall pipe
 - Special permits to operate segments at previous MAOP while performing certain measures to mitigate risk and ensure safety
- NPRM anticipated by summer of 2020



Current Rulemakings in Process

USA Definition – Beaches and Coastal Waterways (ANPRM stage)

- Major topics under consideration:
 - Address Section 19 of 2016 PIPES Act which requires PHMSA to:
 - Expand definition of USA's to include Great Lakes, coastal beaches, and marine coastal waterways
 - Subject pipelines in such areas to Integrity Management regulations in 49 CFR 195
- PHMSA held public meetings on November 17, 2017 and June 12, 2019
- PHMSA recently updated its National Pipeline Mapping System (NPMS) by reclassifying the Great Lakes region as an unusually sensitive area (USA) ecological resource
- ANPRM date TBD



Current Rulemakings in Process

Hazardous Liquid Repair Criteria (NPRM Stage)

- Split from original Hazardous Liquid NPRM published on 10/13/2015
- LPAC held on 2/1/2016
- Major Topics under consideration:
 - Repair criteria for both HCA and non-HCA areas
 - Examining both immediate and near term conditions
 - Addressing metal loss, dent, and crack anomalies
- NPRM TBD



QUESTIONS?

