

# Pipeline Safety: Regulatory Agenda

*Office of Pipeline Safety*



# Current Rulemakings in Process

## 2020 PAC Activity

- ❑ Six possible NPRM's published in coming months
  - ❑ Valve NPRM
  - ❑ LNG NPRM
  - ❑ Class Location NPRM
  - ❑ Standards Update NPRM
  - ❑ Gas Regulatory Reform NPRM
  - ❑ Hazardous Liquid Regulatory Reform NPRM
  
- ❑ PAC will have to meet on all of them
  
- ❑ Two joint meetings, three GPAC only meetings, one LPAC only meeting
  
- ❑ Tentative meetings scheduled for March 3<sup>rd</sup> and 4<sup>th</sup>; July 22<sup>nd</sup> and 23<sup>rd</sup>; November 18<sup>th</sup> -19<sup>th</sup>



# Current Rulemakings in Process

## **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)



# Current Rulemakings in Process

## Liquefied Natural Gas (NPRM stage)

- ❑ 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
- ❑ Presidential Executive Order
  - ❑ Final Rule by May of 2020



# Current Rulemakings in Process

## Underground Storage Facilities for Natural Gas (Final rule stage)

- ❑ Interim Final Rule (IFR) Published (12/19/2016)
- ❑ IFR requires operators of underground storage facilities for natural gas to comply with minimum safety standards, including compliance with:
  - ❑ API RP 1171, Functional Integrity of Natural Gas Storage in Depleted Hydrocarbon Reservoirs and Aquifer Reservoirs
  - ❑ API RP 1170, Design and Operation of Solution-mined Salt Caverns Used for Natural Gas Storage
  - ❑ Annual and Incident reporting requirements



# Current Rulemakings in Process

## Underground Storage Facilities for Natural Gas (Final rule stage)

- ❑ PHMSA adopted the non-mandatory provisions of the RPs in a manner that would make them all mandatory, except that operators would be permitted to deviate from the RPs if they provide justification.
  
- ❑ Notice Published (6/20/17)
  - ❑ Stay of enforcement for non-mandatory provisions
  - ❑ Delay of UGS Annual Report (March 2018)
  
- ❑ Comment period re-opened until 11/20/17
- ❑ Final Rule at OMB

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# Current Rulemakings in Process

## Rupture Detection and Valve Rule (NPRM stage)

- ❑ Rulemaking is in response to Section 4 and 8 of the 2011 Act, NTSB Recommendations and studies perform by both PHMSA and GAO.
- ❑ Addresses the installation of ASV/RCV on newly constructed or entirely replaced natural gas and hazardous liquid transmission pipelines with the objective of improving overall incident response for new and replaced pipelines.
- ❑ Rule would establish and define rupture detection and response time metrics.
- ❑ NPRM at OMB.



# Current Rulemakings in Process

## Standards Update (NPRM stage)

### □ Major Topics:

- Addresses the set of IBR standards throughout PHMSA's part 192, and Part 195 code with updated revisions of standards from all standard organization bodies.
- This NPRM would impact approx. many of the 60+ standards that we currently IBR.
- Future updates



# Current Rulemakings in Process

## USA Definition – Beaches and Coastal Waterways (ANPRM stage)

- ❑ Section 19 of 2016 PIPES Act requires PHMSA to expand definition of USA's to include Great Lakes, coastal beaches and marine coastal waterways.
- ❑ Subjecting pipelines in such areas to Integrity Management regulations in 49 CFR 195
- ❑ PHMSA recently updated its National Pipeline Mapping System (NPMS) by reclassifying the Great Lakes region as an unusually sensitive area (USA) ecological resource.
- ❑ Public meetings held on November 17, 2017 and June 12, 2019
- ❑ ANPRM by spring of 2020

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# Current Rulemakings in Process

## Class Location Requirements (NPRM stage)

- ❑ Examining options for existing pipe when class locations change due to population increases near pipeline and MAOP is not commensurate w/new class location.
- ❑ ANPRM 7/31/18
- ❑ Current requirements when class locations change:
  - ❑ Reduce operating pressure
  - ❑ Confirm new MAOP w/pressure test
  - ❑ Replace pipe w/thicker wall pipe
  - ❑ Special permits to operate segments at previous MAOP while performing certain measures to mitigate risk and ensure safety.

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# Current Rulemakings in Process

## Gas Pipeline Regulatory Reform (2137-AF36) (NPRM stage)

- ❑ Will propose a number of amendments intended to ease regulatory burdens on gas distribution and transmission pipelines.
  - ❑ 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
- ❑ E.O. 13,771 deregulatory action.
- ❑ Includes amendments drawn from PHMSA's 13,777 review, comments on U.S. DOT notices, and petitions for rulemaking



# Current Rulemakings in Process

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

- ❑ Will propose a number of amendments intended to ease regulatory burdens on hazardous liquid pipelines.
- ❑ Topics
  - ❑ Submitting information to PHMSA
  - ❑ Response plan clarifications
  - ❑ Accident reporting criteria
  - ❑ Remote monitoring of rectifiers
  - ❑ Corrections to IM guidance
- ❑ E.O. 13,771 deregulatory action.
- ❑ Includes amendments drawn from PHMSA's internal E.O. 13,777 review, comments on U.S. DOT notices, and petitions for rulemaking

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# 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
  - Anticipate publication of NPRM by fall of 2020.



# 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**
- Anticipate publication by summer/fall of 2020.



# Current Rulemakings in Process

## Safety of Gas Gathering Lines (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 under consideration:

- 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 for large diameter-high pressure lines and establish minimum set of requirements for pipelines 8.625 inches in diameter and greater



# QUESTIONS?

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U.S. Department of Transportation  
Pipeline and Hazardous Materials  
Safety Administration

To Protect People and the Environment From the Risks of  
Hazardous Materials Transportation

