



PIPELINE AND HAZARDOUS MATERIALS ADMINISTRATION

Tyler L. Dean
Transportation Specialist
PHMSA TQ



WHO IS PHMSA?

PHMSA's mission is to protect people and the environment by advancing the safe transportation of energy and other hazardous materials that are essential to our daily lives. To do this, the agency establishes national policy, sets and enforces standards, educates, and conducts research to prevent incidents. We also prepare the public and first responders to reduce consequences if an incident does occur.

OFFICE OF PIPELINE SAFETY

Analyzing pipeline safety and accident data

Evaluating which safety standards need improvement and where new rulemakings are needed

Setting and enforcing regulations and standards for the design, construction, operation, maintenance or abandonment of pipelines by pipeline companies

Educating operators, states and communities on how to keep pipelines safe

Facilitating research & development into better pipeline technologies

Training state and federal pipeline inspectors

Administering grants to states and localities for pipeline inspections, damage prevention and emergency response.

2022 ANNUAL DATA

Distribution Mains – 1,356,325 Miles

Distribution Services – 71,555,310 Services

Natural Gas Transmission – 300,927 Miles

Natural Gas Gathering – 112,176 Miles

LNG Facilities – 173 Facilities, 60,151,665 bbls

Hazardous Liquid – 64,095 Miles

NEW RULES SINCE 2020

Part 192 – Natural Gas

Amendment 125 – MAOP Reconfirmation, Expansion of Assessment Requirements, and other Related Amendments (RIN 1 & RIN 2)

Amendment 126 – Safety of Underground Natural Gas Storage Facilities

Amendment 127 – Response to Joint Petition (Amend. 125)

Amendment 128 – Gas Pipeline Regulatory Reform

Amendment 129 – Safety of Gas Gathering (RIN 3)

Amendment 130 – Minimum Rupture Detection Standards (Valve Rule)

Amendment 131 – Response to Petition

Amendment 132(c) – Transmission Pipeline Repair Criteria, IM Improvements, and Related, with corrections

Amendment 133 – Response to Petition for Amendment 129

Amendment 134 – Valve Rule Technical Corrections



CURRENT PROPOSED RULES

Currently there are two proposed rules:

Pipeline Safety: Periodic Standards Update II

Pipeline Safety: Gas Pipeline Leak Detection and Repair

HOW ARE RULES PROMULGATED?

Congress reauthorizes PHMSA through bills commonly referred to as the Promoting Innovation in Pipeline Efficiency and Safety Act (PIPES Act). This act mandates PHMSA and the OPS to create guidelines (regulations) to improve operations, recruit more safety experts, and enhance procedures to prevent damage from excavation.



PIPES ACT SIGNIFICANT CLAUSES?

Hydrogen Monitoring

Operator Accountability and Increased
Stakeholder Transparency

Provisions for Liquefied Natural Gas (LNG)

Carbon Dioxide Pipelines



WHO IS PHMSA TQ?

The Inspector Training and Qualifications Division (TQ), which is part of the Office of Pipeline Safety, provides inspectors with the nation's only specialized training for understanding and applying federal pipeline safety regulations and standards incorporated by reference.



WHY IS PHMSA TQ HERE?

Pipeline safety is a shared responsibility. While most of the TQ training activities are for federal and state inspectors, there are some public training modules designed to familiarize industry personnel and other stakeholders with the requirements of the pipeline safety regulations (Title 49 Code of Federal Regulations Parts 190-199).



Tyler L. Dean
Transportation Specialist, Instructor
tyler.dean@dot.gov
(405) 627-6752

IT DEPENDS!

