



PHMSA Update—Regulations and Role in Pipeline Incidents

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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



Where We Are Located



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PHMSA Challenges

- Safety of 2.6 million miles of hazardous gas and liquid pipelines, which carry over 66% of the energy consumed in the US
- Safety of nearly one million hazardous materials shipments daily by all modes – air, ground, marine, and rail
- Promoting the safe, environmentally sensitive, and reliable delivery of energy products that fuel the U.S. economy and transportation systems, in addition to the chemicals and other hazardous materials essential to our way of life
- Effective stakeholder communication with federal and state agencies, pipeline operators, labor industry, response community and the public



Not In it Alone

- We partner with our States to enforce the Federal regulations.
- 10 of the 12 States in the PHMSA Western Region have pipeline safety programs
 - AZ, CA, CO, ID, MT, NV, OR, UT, WA, and WY inspect **Intra**state natural gas pipelines
 - AZ, CA, and WA inspect **Intra**state petroleum pipelines
 - AZ and WA help us do **Inter**state pipelines
- States can add additional regulations for **Intra**state pipelines



CA Additional Regulations

- For Hazardous Liquid Pipelines in CA:
 - Test (hydro or ILI) all pipelines every 5 years
 - If corrosion leak occurred: test every 2 years for next 5 years
 - Annual focused inspections by CASFM ? date
 - Install automatic shut-off valves by ? date



2016 Pipeline Reauthorization

Improves safety by closing gaps in federal standards:

- Develop minimum safety standards for **underground natural gas storage** facilities
- Authorizes **emergency order** authority
- Updates regulations for liquefied natural gas facilities
- Increases inspection requirements **underwater oil pipelines**
- Ensures pipeline operators receive **timely post-inspection information**
- Improves **protection of coastal areas, marine coastal waters**, and the Great Lakes by designating them as unusually environmentally sensitive



2016 Pipeline Reauthorization

Enhances the quality and timeliness of PHMSA rulemakings:

- Requires PHMSA to **update Congress** every 90 days on outstanding statutory mandates
- Requests two Government Accountability Office (GAO) **studies** on the effectiveness of integrity management



2016 Pipeline Reauthorization

Promotes better use of data and technology to improve pipeline safety:

- how to use technology to improve third-party damage prevention
- study the latest pipeline innovations and technology
- Creates a working group to develop recommendations on how to create an information sharing system to improve safety outcomes.
- Authorizes PHMSA to study the feasibility of a national integrated pipeline safety database to have a clearer picture of federal and state safety oversight efforts.

Leverages federal and state pipeline safety resources:

- Authorizes states to participate in interstate pipeline inspections.
- Provides tools to enhance PHMSA's efforts to hire pipeline safety personnel.
- Requires the DOT Inspector General to study staff resource constraints and make recommendations to Congress to address PHMSA's hiring challenges and training needs.



New Rules

- **Excavation Damage to pipelines**
 - Effective January 1, 2016
 - Federal enforcement over excavators in states deemed inadequate



Proposed Rules

- Safety of Hazardous Liquid Pipelines
- Safety of Gas Transmission Pipelines
 - Mega Rule
 - Integrity Verification Process
 - Deletes grandfather rule
- Rupture Detection and Valve Rule
- Operator Qualification (OQ)
- Plastic Pipe



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Thank You!!

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