CO₂ Pipeline Regulation

Numerous PHMSA Federal Pipeline Safety Regulations Cover CO₂ Pipelines

The U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA) has numerous safety measures to strengthen its safety oversight of carbon dioxide (CO₂) pipelines around the country and protect communities.

The State of Louisiana Department of Energy and Natural Resources Pipeline Division regulates the use, end-use, conservation and transportation facilities for movement of intrastate natural gas; regulates carbon dioxide pipelines and compressed natural gas fueling facilities; and they serve as clearing house to provide infomation to users of natural gas regarding the availability of supplies of natural gas. The Division is also responsible for a comprehensive pipeline safety inspection and enforcement program for both intrastate natural gas and hazardous liquids pipelines, and damage prevention enforcement on pipeline right of ways.

| Category | PHMSA Regulation | Regulatory Activity |
|-----------------------------|------------------|--|
| A - General | CFR 195.3 | Requirements for design, construction, operation, control room management, integrity management and emergency response |
| | CFR 195.11 | Regulated rural gathering lines |
| B - Reporting | CFR 195.52 | Notice of Incident - Operators must report incidents at the earliest practicable moment following discovery |
| C - Design Requirements | CFR 195.106 | Internal Design Pressure |
| | CFR 195.111 | Fracture Propagation - CO ₂ pipelines designed to mitigate effects of fracture propagation |
| | CFR 195.112 | New pipe - Requirements associated with installation of new pipe |
| D - Construction | CFR 195.206 | Material Inspection - Visual inspection of components prior to installation |
| | CFR 195.210 | Pipeline Location - Right of way selected to avoid dwellings |
| | CFR 195.234 | Welds: Nondestructive testing |
| | CFR 195.248 | Cover over buried pipeline |
| | CFR 195.250 | Clearance between pipe and underground structures |
| | CFR 195.260 | Valves: Location |
| E - Pressure Testing | CFR 195.304 | Test Pressure |
| F - Operation & Maintenance | CFR 195.402 | Procedural manual for operations, maintenance, and emergencies |
| | CFR 195.403 | Emergency response training |
| | CFR 195.406 | Maximum Operating Pressure |
| | CFR 195.407 | Communications |
| | CFR 195.414 | Inspections of pipelines in areas affected by extreme weather |
| | CFR 195.412 | Inspection of rights-of-way |
| | CFR 195.440 | Public Awareness |
| | CFR 195.446 | Management of control rooms for operating and monitoring pipeline systems |
| | CFR 195.452 | Integrity Management programs for inspection and maintenance of pipelines |
| G - Operator Qualification | CFR 195.505 | Ensure pipeline personnel performing covered tasks are qualified |
| H - Corrosion Control | CFR 195.563 | Cathodic Protection |