



2nd Edition  
**2013**

# Compendium of State Pipeline Safety Requirements & Initiatives Providing Increased Public Safety Levels compared to Code of Federal Regulations



National Association of  
Pipeline Safety  
Representatives

**NAPSR**

September 9, 2013

National Association of Regulatory Utility  
Commissioners



Cover photo courtesy of Washington Utilities and Transportation Commission.

**SECOND EDITION**  
**APPROVED BY NARUC EXECUTIVE COMMITTEE**  
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**SECOND EDITION**  
**APPROVED BY NAPS BOARD AUG 30 2013**

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**Figure 1 Transmission pipeline construction in the Northwest**

Photo courtesy of Washington Utilities and Transportation Commission



**Figure 2 Regulation and Measurement Station**

Photo courtesy of Ohio Public Utilities Commission.



## Foreword:

*National Association of Pipeline Safety Representatives (NAPSR) members represent the 48 contiguous states, Puerto Rico and the District of Columbia. Nearly 90% of the nation's 2.3 million miles of gas pipeline are subject to NAPSR's approximately 300 inspectors. This broad spectrum of entities incorporates multiple approaches and methods in achieving the ultimate common goals of ensuring pipeline safety for the public and providing increased educational awareness for all stakeholders.*

*NAPSR is comprised of dedicated individuals who believe that this nation's - and in particular, their respective regions' pipeline systems - must be designed, operated and maintained at the highest safety levels. The National Association of Regulatory Utility Commissioners (NARUC) is the national association representing the state public service commissioners who regulate essential utility services such as electricity, natural gas, water, and telecommunications. More than 40 NAPSR members are organizationally situated within their respective state public service commissions.*

*Over 1,360 specific pipeline safety initiatives in 23 categories ranging from enhanced reporting to record keeping to cathodic protection to design and installation requirements have been adopted by states to assist in pipeline safety oversight. Formalized pipeline replacement programs have been employed by many states to address the aging pipeline infrastructure. To date 45 states have implemented at least one initiative above and beyond the minimum requirements of the Code of Federal Regulations that apply to one or more pipeline operators within their states. It is hoped that this report will serve as a detailed resource for examining some of the pipeline safety best practices established by the states.*

*The purpose of this report is to highlight the hundreds of areas where actions have been taken to improve pipeline safety improvements throughout the country and to showcase the many different areas of focus. While numerous efforts are underway already, states continue to look for reasonable ways to enhance pipeline safety in their regions. The consequences for not maintaining continuous improvement are simply too high.*

*There are many reasons for maintaining a variety of pipeline safety initiatives. Pipeline safety does not lend itself to a one-size-fits-all approach for the following reasons:*

- 1) Certain states may have a history of a specific problem or incident that prompted the initiation of rulemaking, statutory amendments or issuance of Commission orders, such as a pipeline explosion or the discovery of a material defect in a particular pipeline system;*
- 2) Pipeline operator practices differ with respect to materials selected, methods of installation, and operational and maintenance approaches;*
- 3) In some areas of the country, there has been no need for certain initiatives within a state;*
- 4) In other areas of the country, the landscape or geography has prompted specialized rules; and*



5) *The public's demand and/or tolerance for more stringent rules is greater in certain areas in the country.*

*Since circumstances differ across the country regarding pipeline oversight, the reader is cautioned not to use this report to compare one state's program against another, as such comparisons could result in erroneous conclusions.*

*In addition to NAPSAR, the NARUC Executive Committee has reviewed and endorsed this report and contributed through their individual submissions of comments as well as their assistance with the publication of this compendium.*

*Future editions may include additional topics such as underground damage prevention initiatives, initiatives involving liquefied petroleum gas systems, and initiatives involving liquefied natural gas systems.*

*I wish to thank the many state program managers across the country who contributed to this effort and the resulting compendium.*

*Early during the review of the 2nd edition, the following NAPSAR taskforce was formed to help gather the data, analyze and recommend revisions and improvements of the 1<sup>st</sup> edition Compendium:*

*Randy Knepper, New Hampshire  
Massoud Tahamtani, Virginia  
Jacob Nicodemus, Ohio  
Jeff Baggett, Georgia  
Joseph Subsits, Washington  
Joe Costa, New Jersey*

*I would also recognize the efforts of G LeBlanc, R Wyatt, L Hanson, J Vercellotti, and D Burnell of the New Hampshire Public Utilities Commission who assisted with the final review and formatting.*

**NAPSAR  
Chief Editor and Chairman  
Randy Knepper  
Director of Safety  
New Hampshire Public Utilities Commission  
September 9, 2013**



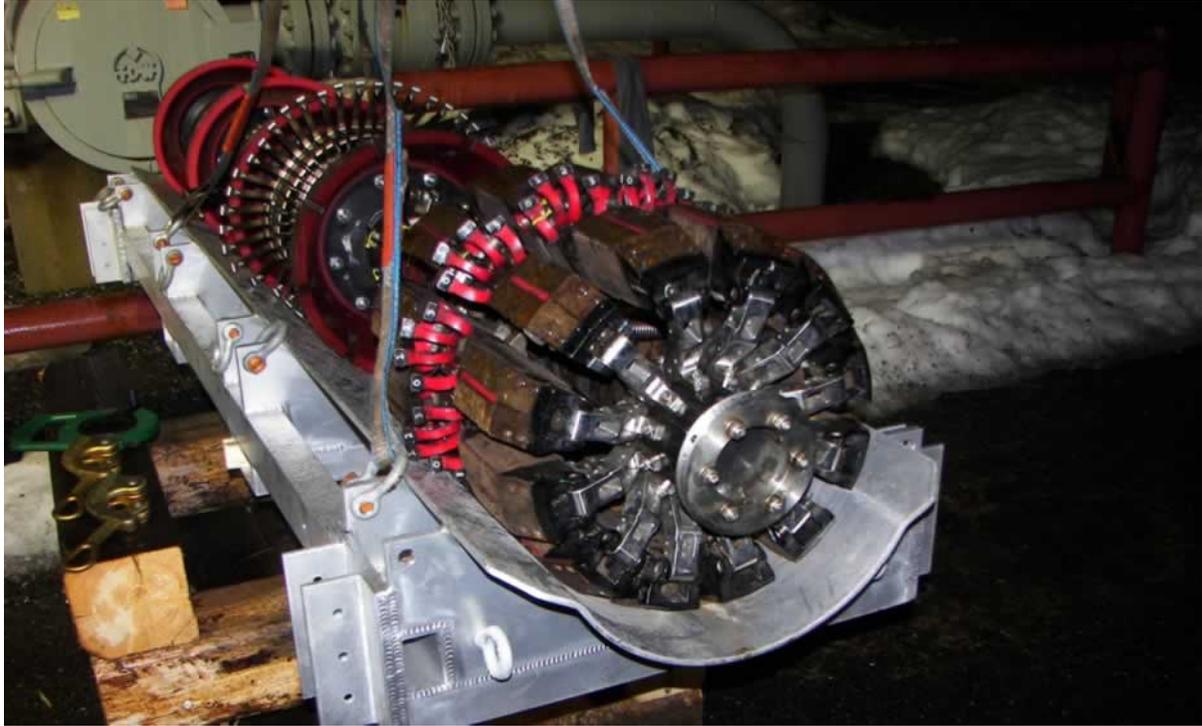


Figure 3 Inline Inspection Device (Smart Pig) used for Integrity Assessment

Photo courtesy of New Hampshire Public Utilities Commission.



## **About NAPS**

The National Association of Pipeline Safety Representatives is the national association representing State pipeline safety inspectors in the contiguous United States as well as the District of Columbia and Puerto Rico. Through a unique partnership with the U.S. Department of Transportation, NAPS members have oversight responsibilities for the safe and reliable transportation of natural gas and hazardous liquids through pipelines. State pipeline safety personnel make up more than 75% of the state and federal inspection workforce. NAPS provides these inspectors with a venue to share best practices, enhance communications between state and federal counterparts, raise new issues, and influence policy. NAPS is recognized by Congress, the courts, federal agencies, and the media as the national voice of the State pipeline safety community.

## **What We Do**

NAPS members have direct safety authority over more than 96% of regulated intrastate gas systems and 32% of hazardous liquid systems (including carbon dioxide pipelines) in the United States. Most interstate pipeline inspectors are federal government employees focusing upon 12% of the gas infrastructure in the country while States monitor the remaining 88%. Recent statistics indicate that NAPS members have safety authority of about 92% of the two million miles of gas distribution pipelines (i.e., pipelines serving retail consumers) nationwide. In addition, NAPS members oversee 49% of gas transmission pipelines for wholesale customers, and 34% of hazardous liquid pipelines.

Pipeline safety inspectors have been partially funded by the federal government since the 1968 Pipeline Safety Act. The U.S. Department of Transportation's Pipelines and Hazardous Materials Safety Administration has delegated pipeline safety inspection to the States and as a result reimburses the States for a portion of their inspection program expenditures. This arrangement allows for, encourages and relies on state pipeline programs that inherently possess greater geographic knowledge and local expertise for inspecting and overseeing the safe operation of the majority of the nation's pipeline system. This also means that a significant percentage of NAPS member funding depends upon the federal appropriations process.

## **How Pipeline Safety Programs Work**

State pipeline inspectors are the "first line of defense" at the community level to enforce pipeline safety, enact and enable underground utility damage prevention programs, promote public education and public awareness campaigns regarding pipeline safety. The primary goals of State pipeline safety programs are to ensure safety and give the public confidence that the pipeline system is safe and reliable. Although all State programs certify to the Secretary of the U.S. Department of Transportation that they will adopt regulations that are at least as stringent as the Federal Pipeline Safety Regulations, most States have adopted more stringent safety regulations. The ability of States to adopt and enforce more stringent regulations that can be targeted to state-specific issues is a tremendous advantage since state inspectors not only are



employed by their respective state governmental agencies, they also have the understanding, familiarity and concerns of the local public that are affected the most.

NAPSR members use a wide range of compliance methods as part of their regulatory oversight, including:

- Corrective action orders that direct operators to make specific safety related improvements;
- Civil penalties, such as monetary fines; and
- Rate-of-return control, which ensures that the operating company and its shareholders, not consumers, bear the cost of improving the safety of pipeline systems.

Enforcement actions vary from State-to-State, but generally, when a safety violation is discovered during an inspection, the State inspector will submit a report of the findings for follow-up actions. Depending on the State's laws, the agency will determine the severity of the violation and the next course of action.



Figure 4 District Regulating Station –Vault Type

Photo courtesy of New Hampshire Public Utilities Commission.



## About NARUC

The National Association of Regulatory Utility Commissioners is the national organization representing the State economic regulators of essential utility services, such as electricity, natural gas, water, and telecommunications. Based in Washington, NARUC serves as the advocacy arm and voice of the nation's 200-plus State regulators and their staff, representing them before Congress, the federal agencies, the courts, and the media. The majority of NAPSRC members are employees of their State economic utility regulatory agency (most commonly referred to as Public Service Commissions or Public Utilities Commissions).

NARUC members set the rates, terms, and conditions for regulated monopoly utility services. Under the regulatory compact, privately owned utilities are guaranteed a return on their investments for maintenance, repair, and upgrades to their systems, provided such costs are determined to be in the public interest. These costs are passed through to customers through their monthly utility bills.

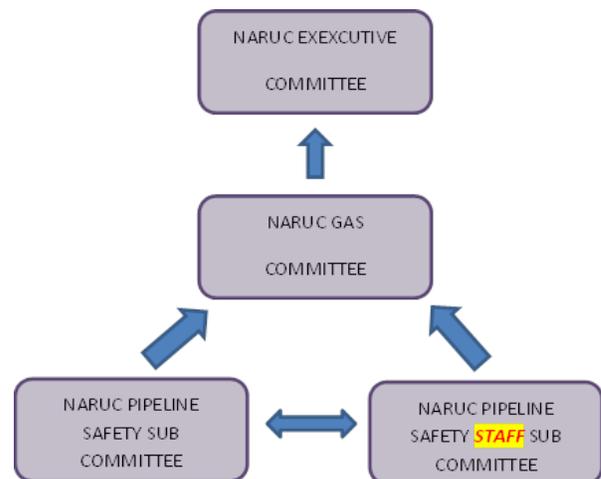
### NARUC and Pipeline Safety

NARUC established its Committee on Gas in 1964 to raise awareness and understanding of issues affecting the transportation, distribution, and sale of natural gas safely, efficiently, and economically. Committee members work closely with the Federal Energy Regulatory Commission and the U.S. departments of Energy and Transportation. The committee has led NARUC's pipeline safety efforts with assistance from its recently formed Pipeline Safety Subcommittee (2013) which was preceded by a Pipeline Safety Task Force and its long established Staff Subcommittee on Pipeline Safety formed in 1982.

The Subcommittees offer NARUC and NAPSRC members the chance to interact at the commissioner and staff level. This means the commissioners responsible for approving rate-recovery programs and assessing safety violations can discuss these matters with the pipeline inspectors themselves from all over the country. This builds understanding and continuity about these issues. Given the high turnover rate of State public utility commissioners, this dialogue is essential and ensures that safety responsibilities remain Job No. 1.

Through these avenues, NARUC and NAPSRC have developed a strong cooperative relationship, building awareness and educational opportunities for members of both organizations. At NARUC's three yearly meetings, these committees hold workshops and panel discussions addressing pipeline safety developments and best practices. Members of the Staff Subcommittee on Pipeline Safety are also, in most cases, members of NAPSRC as well.

NARUC members have testified before Congress on safety matters and partner with the U.S. Pipeline and Hazardous Materials Safety Administration.



## Pipeline Safety FAQ

### 1. *Who has the primary oversight of our nation's pipeline system?*

A: The nation's pipeline safety programs are overseen by Congress and administered by the U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA). However, PHMSA delegates the majority of these responsibilities for intrastate lines to the states. State pipeline safety personnel represent more than 75% of the State/federal inspection workforce, although State employees account for less than 40% of the federal pipeline safety budget. This means that the bulk of the safety and inspection responsibility lies at the State level.

Under existing law, States opt into this relationship with PHMSA. If a State decides not to participate, PHMSA does the safety inspection on its own. At present, this applies only to Alaska and Hawaii.

States are allowed to adopt pipeline safety regulations that are stricter than federal government regulations, and the overwhelming majority of States do have more stringent requirements. These have been developed over the years based on specific results of State inspections, changing public priorities, and increased safety expectations of the local public.

### 2. *What Do State Pipeline Inspectors Do?*

A: The general responsibilities of a pipeline inspector include inspection of safety records, facilities, construction, integrity management and other programs, and investigation of accidents. As noted, most States go beyond the federal requirements and perform additional kinds of oversight. The goal of State pipeline safety programs is to ensure the overall safety of the pipeline system for people, property, and the environment in their regions. A vigorous safety program is essential to provide public assurance that the pipeline system is safe, reliable, and affordable.

### 3. *How Do States Enforce Safety Regulations?*

A: If a safety inspector finds a violation during an inspection, the inspector will submit a report to the appropriate State agency, which is typically the public service commission. Depending on the State's laws, the agency will determine the severity of the violation and determine its next course of action. Generally, State agencies employ a wide range of compliance methods as part of their regulatory oversight.



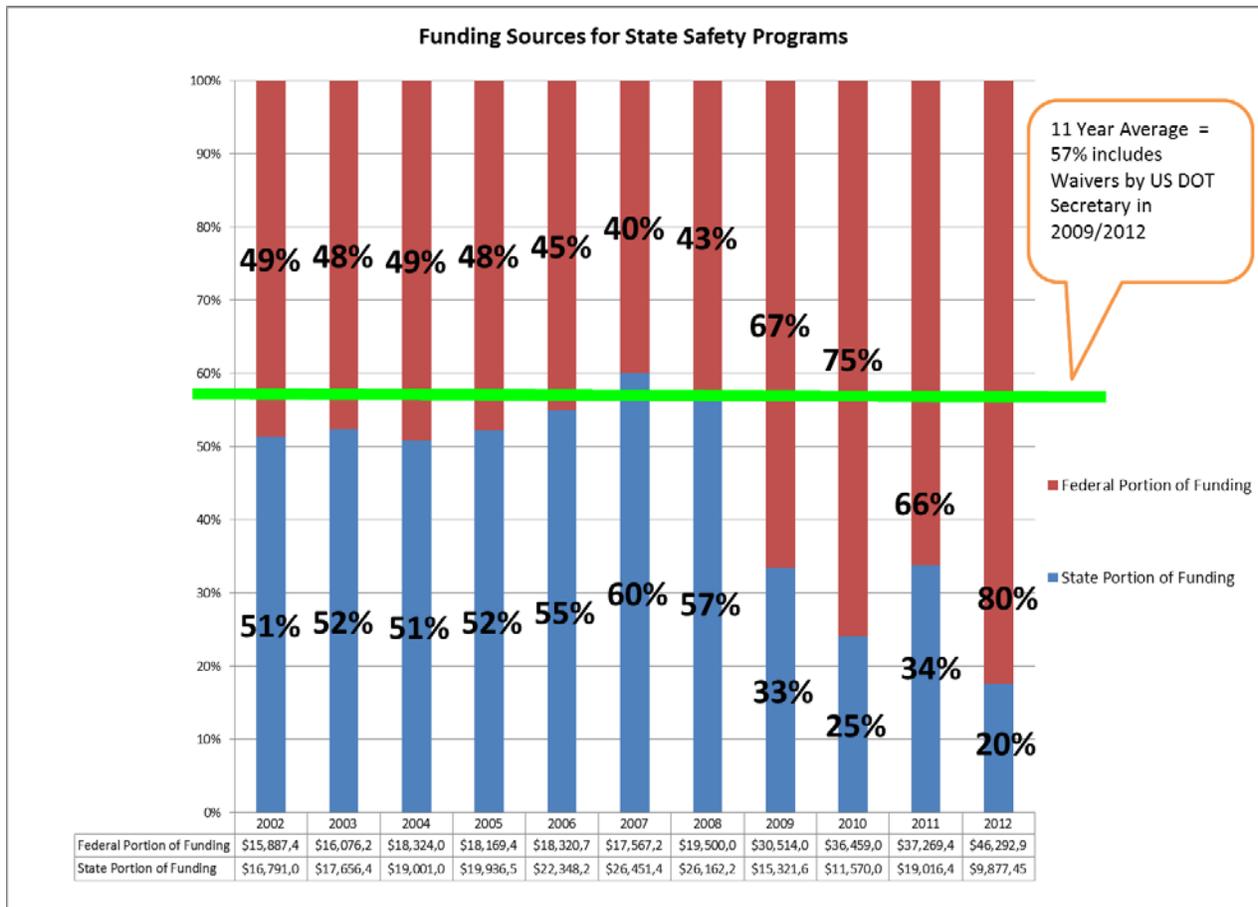
#### *4. How Does the State/Federal Relationship Work?*

A: Under the Pipeline Safety Act, States must receive certification from PHMSA to assume pipeline safety responsibilities within their states. Certification is a “mutual agreement” between PHMSA and a State to take on this responsibility, and the State must agree to ensure that its pipeline operators meet the federal agency’s minimum pipeline safety standards. Once certified, the State is responsible for oversight of pipelines that do not cross State boundaries (intrastate pipelines). Arizona, California, Connecticut, Iowa, Michigan, Minnesota, New York, Ohio, Washington, Virginia and West Virginia also act as interstate agents on behalf of the federal government. In this role, State personnel inspect interstate pipelines and submit reports to PHMSA, which carries out compliance and enforcement action as necessary.

#### *5. How Are State Pipeline Inspectors Funded?*

A: State pipeline safety programs are funded by (1) State funding that varies in accordance with mechanisms developed within each state’s legislature, and (2) federal grants funded by Congress and administered by PHMSA. The President annually requests federal funding for state safety programs along with its own budget requests, which are sent to Congress for review and approval. Once approved, PHMSA annually allocates the money to individual state agencies based on their respective budget submissions; allocation is usually in the form of reimbursements once actual costs are incurred. Under current law, States may potentially receive funding for up to 80% of their expenditures for these programs. On average, most appropriations have been between 45% and 50%. Appropriations in 2009 through 2012 raised the federal contribution level to over 70% but required waivers by the Secretary of Transportation to suspend the minimum State contributions required by the Pipeline Safety Act.





6. *Would a uniform federal inspection policy for intrastate lines improve pipeline safety?*

A: No – a uniform federal inspection policy would actually decrease safety levels. Each State is different and has varied risks to its pipeline infrastructure that result from diverse geographic, economic, political, social and environmental factors. A one-size-fits-all policy for all intrastate pipeline systems would be counterproductive and will limit the State’s ability to go beyond current federal requirements. Most States can and do adopt pipeline safety regulations that are stricter than the corresponding federal regulations, and the overwhelming majority of States require more stringent requirements to satisfy specific local needs for public safety. By their very nature, State-specific regulations can be enforced only by State regulators, not by federal regulators.



## Did you Know?

- Maine requires operators to use GPS and record all valves, tees, exposed sections by both depth and location. (The federal government has no such requirement and record keeping is an industry issue.)
- Florida requires much stricter cathodic protection requirements for steel pipelines.
- New Hampshire defines acceptable emergency response times (30 minutes/45 minutes). (NTSB latest report says 95 minutes is excessively long. The federal government has never issued a violation on delayed response times to our collective knowledge.)
- New York does not allow operators to downgrade any leaks. (The federal government does not grade leaks at all.)
- Virginia requires one operator to RFID new construction and repairs. (Federal regulations do not mention RFIDs.)
- Oregon has a landslide protection program because they get so much annual rainfall. (There is no equivalent federal provision.)
- Washington requires a cathodic protection read if exposed pipe and coating is damaged.
- Kansas requires quality assurance inspection of all outside contractors. (Federal regulations require only periodic workshops on quality assurance at this time.)
- Texas requires all Grade 3 leaks to be repaired within 36 months. (Under federal regulations, a Grade 3 leak can remain indefinitely; there is no corresponding classification system.)
- Arkansas requires anodes be shown on all system maps. (The federal government does not.)
- Mississippi requires operators to undertake over 100 hours of classroom and field training each year. (The federal government has no training requirements.)
- South Carolina requires outdoor meters for all pipeline systems unless impractical. (There is no equivalent federal government requirement.)
- Idaho requires NFPA 54 compliance before an operator is permitted to distribute gas. (The federal government does not.)
- Illinois requires a full training program for operators, not just the minimum Operator Qualifications required by the federal government
- Wisconsin requires special precautions if overhead electric transmission lines are located near pipeline facilities. (The federal government can offer only Advisory Bulletins.)
- New Jersey requires depth of cover 50% deeper than required by federal regulations.
- Georgia has a cast iron replacement program for its largest pipeline operator. (The federal government has only issued Advisory Bulletins.)
- Washington requires responses within 15 minutes for detection thresholds of 8% leak for full flow and no flow conditions applicable to hazardous liquid operators (The federal government has only begun early discussions of this.)
- Massachusetts requires all transmission lines to be designed as Class 3 and 4 locations.
- Missouri requires operators provide isolation zones so relight accomplished within 8 hours.



## State Pipeline Safety Websites



### STATE PIPELINE SAFETY WEBSITES

last revised Oct 2013

State	State Agency	Website
AL	Alabama Public Service Commission	<a href="http://www.psc.state.al.us/Energy/gps/gas_pipeline_safety_section.htm">http://www.psc.state.al.us/Energy/gps/gas_pipeline_safety_section.htm</a>
AK	<i>No State Program</i>	PHMSA- (Office of Pipeline Safety) retains federal oversight of all pipelines.
AZ	Arizona Corporation Commission (ACC)	<a href="http://www.azcc.gov/divisions/Safety/default.asp">http://www.azcc.gov/divisions/Safety/default.asp</a>
AR	Arkansas Public Service Commission	<a href="http://www.apscservices.info/PSOIndex.asp">http://www.apscservices.info/PSOIndex.asp</a>
AR	Arkansas Oil and Gas Commission	<a href="http://www.aogc.state.ar.us/">http://www.aogc.state.ar.us/</a>
CA	California State Fire Marshall	<a href="http://osfm.fire.ca.gov/pipeline/pipeline.php">http://osfm.fire.ca.gov/pipeline/pipeline.php</a>
CA	California Public Utilities Commission	<a href="http://www.cpuc.ca.gov/PUC/safety/Pipeline/">http://www.cpuc.ca.gov/PUC/safety/Pipeline/</a>
CO	Colorado Public Utilities Commission	<a href="http://www.colorado.gov/cs/Satellite?c=Page&amp;childpagename=DORA-PUC%2FDORALayout&amp;cid=1251632608618&amp;p=1251632608618&amp;pagename=CBONWrapper">http://www.colorado.gov/cs/Satellite?c=Page&amp;childpagename=DORA-PUC%2FDORALayout&amp;cid=1251632608618&amp;p=1251632608618&amp;pagename=CBONWrapper</a>
CT	Department of Energy and Environmental Protection (DEEP)	<a href="http://www.ct.gov/pura/cwp/view.asp?a=3363&amp;Q=492678&amp;puraNav_GID=1702">http://www.ct.gov/pura/cwp/view.asp?a=3363&amp;Q=492678&amp;puraNav_GID=1702</a>
DC	District of Columbia Public Service Commission	<a href="http://www.dcpsc.org/pipelinesafety/pipelinesafety.asp">http://www.dcpsc.org/pipelinesafety/pipelinesafety.asp</a>
DE	Delaware Public Service Commission	<a href="http://depdc.delaware.gov/naturalgas.shtml">http://depdc.delaware.gov/naturalgas.shtml</a>
FL	Public Service Commission	<a href="http://www.Floridapsc.com">www.Floridapsc.com</a>
GA	Georgia Public Service Commission	<a href="http://www.psc.state.ga.us/facilitiesprotect/fp_pipesafe/fp_pipesafe.asp">http://www.psc.state.ga.us/facilitiesprotect/fp_pipesafe/fp_pipesafe.asp</a>
HI	<i>No State Program</i>	PHMSA- (Office of Pipeline Safety) retains federal oversight of all pipelines.
ID	Idaho Public Utilities Commission	<a href="http://www.puc.idaho.gov/PIPELINES/PIPELINES.htm">http://www.puc.idaho.gov/PIPELINES/PIPELINES.htm</a>

# of States	Color Code	Intrastate Gas Jurisdiction	Intrastate Haz Liq Jurisdiction	Interstate Gas Jurisdiction	Interstate Haz Liq Jurisdiction
32	green	Y	PHMSA	PHMSA	PHMSA
4	orange	Y	PHMSA	Y	PHMSA
1	blue	Y	Y	PHMSA	Y
1	gray	Y	Y	Y	PHMSA
10	yellow	Y	Y	PHMSA	PHMSA
4	pink	Y	Y	Y	Y
2	white	PHMSA	PHMSA	PHMSA	PHMSA





# STATE PIPELINE SAFETY WEBSITES

last revised Oct 2013

State	State Agency	Website
IL	Illinois Commerce Commission	<a href="http://www.icc.illinois.gov/pipelinesafety/">http://www.icc.illinois.gov/pipelinesafety/</a>
IN	Indiana Utility Regulatory Commission	<a href="http://www.in.gov/iurc/2335.htm">http://www.in.gov/iurc/2335.htm</a>
IA	Iowa Utilities Board	<a href="http://www.state.ia.us/iub/energy/index.html">http://www.state.ia.us/iub/energy/index.html</a>
KS	Kansas Corporation Commission	<a href="http://www.kcc.state.ks.us/pipeline/index.htm">http://www.kcc.state.ks.us/pipeline/index.htm</a>
KY	Kentucky Public Service Commission	<a href="http://www.psc.ky.gov/home/pipelinesafety">http://www.psc.ky.gov/home/pipelinesafety</a>
LA	Louisiana Department of Natural Resources	<a href="http://dnr.louisiana.gov/index.cfm?md=pagebuilder&amp;tmp=home&amp;pid=144">http://dnr.louisiana.gov/index.cfm?md=pagebuilder&amp;tmp=home&amp;pid=144</a>
ME	Maine Public Utilities Commission	<a href="http://www.maine.gov/mpuc/natural_gas/natural_gas_safety/index.html">http://www.maine.gov/mpuc/natural_gas/natural_gas_safety/index.html</a>
MD	Public Service Commission of Maryland	<a href="http://webapp.psc.state.md.us/Intranet/home.cfm">http://webapp.psc.state.md.us/Intranet/home.cfm</a>
MA	Massachusetts Department of Public Utilities	<a href="http://www.mass.gov/eea/grants-and-tech-assistance/guidance-technical-assistance/agencies-and-divisions/dpu/dpu-divisions/pipeline-safety-division/">http://www.mass.gov/eea/grants-and-tech-assistance/guidance-technical-assistance/agencies-and-divisions/dpu/dpu-divisions/pipeline-safety-division/</a>
MI	Michigan Public Service Commission	<a href="http://www.michigan.gov/mpsc/0,4639,7-159-16385---,00.html">http://www.michigan.gov/mpsc/0,4639,7-159-16385---,00.html</a>
MN	Department of Public Safety	<a href="https://dps.mn.gov/divisions/ops/pages/default.aspx">https://dps.mn.gov/divisions/ops/pages/default.aspx</a>
MS	Mississippi Public Service Commission	<a href="http://www.psc.state.ms.us/pipeline/pipeline.html">http://www.psc.state.ms.us/pipeline/pipeline.html</a>
MO	Missouri Public Service Commission	<a href="http://psc.mo.gov/General/Pipeline_Safety">http://psc.mo.gov/General/Pipeline_Safety</a>
MT	Montana Public Service Commission	<a href="http://psc.mt.gov/pipeline/">http://psc.mt.gov/pipeline/</a>
NE	Nebraska State Fire Marshal	<a href="http://www.sfm.ne.gov/programs-services/fuels/pipeline/index.html">http://www.sfm.ne.gov/programs-services/fuels/pipeline/index.html</a>
NV	Public Utilities Commission of Nevada	<a href="http://pucweb1.state.nv.us/pucn/GasHomePage.aspx">http://pucweb1.state.nv.us/pucn/GasHomePage.aspx</a>
NH	New Hampshire Public Utilities Commission	<a href="http://www.puc.nh.gov/Safety/safety.htm">http://www.puc.nh.gov/Safety/safety.htm</a>

# of States	Color Code	Intrastate Gas Jurisdiction	Intrastate Haz Liq Jurisdiction	Interstate Gas Jurisdiction	Interstate Haz Liq Jurisdiction
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1	gray	Y	Y	Y	PHMSA
10	yellow	Y	Y	PHMSA	PHMSA
4	pink	Y	Y	Y	Y
2	white	PHMSA	PHMSA	PHMSA	PHMSA





# STATE PIPELINE SAFETY WEBSITES

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State	State Agency	Website
NJ	New Jersey Board of Public Utilities	<a href="http://www.state.nj.us/bpu/about/divisions/reliability/">http://www.state.nj.us/bpu/about/divisions/reliability/</a>
NM	New Mexico Public Regulation Commission	<a href="http://www.nmprc.state.nm.us/psb.htm">http://www.nmprc.state.nm.us/psb.htm</a>
NY	New York State Department of Public Service	<a href="http://www.dps.ny.gov/">http://www.dps.ny.gov/</a>
NC	North Carolina Utilities Commission	<a href="http://www.ncuc.commerce.state.nc.us/industries/naturalgas/pipelinesafety.htm">http://www.ncuc.commerce.state.nc.us/industries/naturalgas/pipelinesafety.htm</a>
ND	North Dakota Public Service Commission	<a href="http://psc.nd.gov/jurisdiction/pipelines/index.php">http://psc.nd.gov/jurisdiction/pipelines/index.php</a>
OH	Ohio Public Utilities Commission	<a href="http://www.puco.ohio.gov/puco/index.cfm/consumer-information/consumer-topics/natural-gas-pipeline-safety-in-ohio/">http://www.puco.ohio.gov/puco/index.cfm/consumer-information/consumer-topics/natural-gas-pipeline-safety-in-ohio/</a>
OK	Oklahoma Corporation Commission	<a href="http://www.occeweb.com/tr/PLShome.htm">http://www.occeweb.com/tr/PLShome.htm</a>
OR	Oregon Public Utilities Commission	<a href="http://www.oregon.gov/puc/Pages/safety/gassafety.aspx">http://www.oregon.gov/puc/Pages/safety/gassafety.aspx</a>
PA	Pennsylvania Public Utility Commission	<a href="http://www.puc.state.pa.us/consumer_info/natural_gas/pipeline_safety.aspx">http://www.puc.state.pa.us/consumer_info/natural_gas/pipeline_safety.aspx</a>
PR	Puerto Rico Public Service Commission	<a href="http://www.csp.gobierno.pr/">http://www.csp.gobierno.pr/</a>
RI	Rhode Island Division of Public Utilities & Carriers	<a href="http://www.ripuc.org/rulesregs/divrules/gas_pipeline_safety.pdf">http://www.ripuc.org/rulesregs/divrules/gas_pipeline_safety.pdf</a>
SC	Office of Regulatory Staff of South Carolina	<a href="http://www.regulatorystaff.sc.gov/naturalgas/Pages/PipelineSafety.aspx">http://www.regulatorystaff.sc.gov/naturalgas/Pages/PipelineSafety.aspx</a>
SD	South Dakota Public Utilities Commission	<a href="http://www.puc.sd.gov/pipelinesafety/default.aspx">http://www.puc.sd.gov/pipelinesafety/default.aspx</a>
TN	Tennessee Regulatory Authority	<a href="http://www.tn.gov/tra/gassafety.shtml">http://www.tn.gov/tra/gassafety.shtml</a>
TX	Railroad Commission of Texas	<a href="http://www.rrc.state.tx.us/programs/pipeline.php">http://www.rrc.state.tx.us/programs/pipeline.php</a>
UT	Utah Department of Commerce, Division of Public Utilities	<a href="http://publicutilities.utah.gov/pipeline.html">http://publicutilities.utah.gov/pipeline.html</a>

# of States	Color Code	Intrastate Gas Jurisdiction	Intrastate Haz Liq Jurisdiction	Interstate Gas Jurisdiction	Interstate Haz Liq Jurisdiction
32	green	Y	PHMSA	PHMSA	PHMSA
4	orange	Y	PHMSA	Y	PHMSA
1	blue	Y	Y	PHMSA	Y
1	gray	Y	Y	Y	PHMSA
10	yellow	Y	Y	PHMSA	PHMSA
4	pink	Y	Y	Y	Y
2	white	PHMSA	PHMSA	PHMSA	PHMSA





# STATE PIPELINE SAFETY WEBSITES

last revised Oct 2013

State	State Agency	Website
VT	Vermont Department of Public Service	<a href="http://publicservice.vermont.gov/topics/naturalgas_propane">http://publicservice.vermont.gov/topics/naturalgas_propane</a>
VA	Virginia State Corporation Commission	<a href="http://www.scc.virginia.gov/urs/pipe/index.aspx">http://www.scc.virginia.gov/urs/pipe/index.aspx</a>
WA	Washington Utilities and Transportation Commission	<a href="http://www.utc.wa.gov/publicSafety/pipelineSafety/Pages/default.aspx">http://www.utc.wa.gov/publicSafety/pipelineSafety/Pages/default.aspx</a>
WV	Public Service Commission of West Virginia	<a href="http://www.psc.state.wv.us/div/gaspipelinesafety.htm">http://www.psc.state.wv.us/div/gaspipelinesafety.htm</a>
WI	Wisconsin Public Service Commission	<a href="http://psc.wi.gov/utilityInfo/gas/pipelineSafety.htm">http://psc.wi.gov/utilityInfo/gas/pipelineSafety.htm</a>
WY	Wyoming Public Service Commission	<a href="http://psc.state.wy.us/htdocs/pipe_water_new.htm">http://psc.state.wy.us/htdocs/pipe_water_new.htm</a>

# of States	Color Code	Intrastate Gas Jurisdiction	Intrastate Haz Liq Jurisdiction	Interstate Gas Jurisdiction	Interstate Haz Liq Jurisdiction
32	green	Y	PHMSA	PHMSA	PHMSA
4	orange	Y	PHMSA	Y	PHMSA
1	blue	Y	Y	PHMSA	Y
1	gray	Y	Y	Y	PHMSA
10	yellow	Y	Y	PHMSA	PHMSA
4	pink	Y	Y	Y	Y
2	white	PHMSA	PHMSA	PHMSA	PHMSA

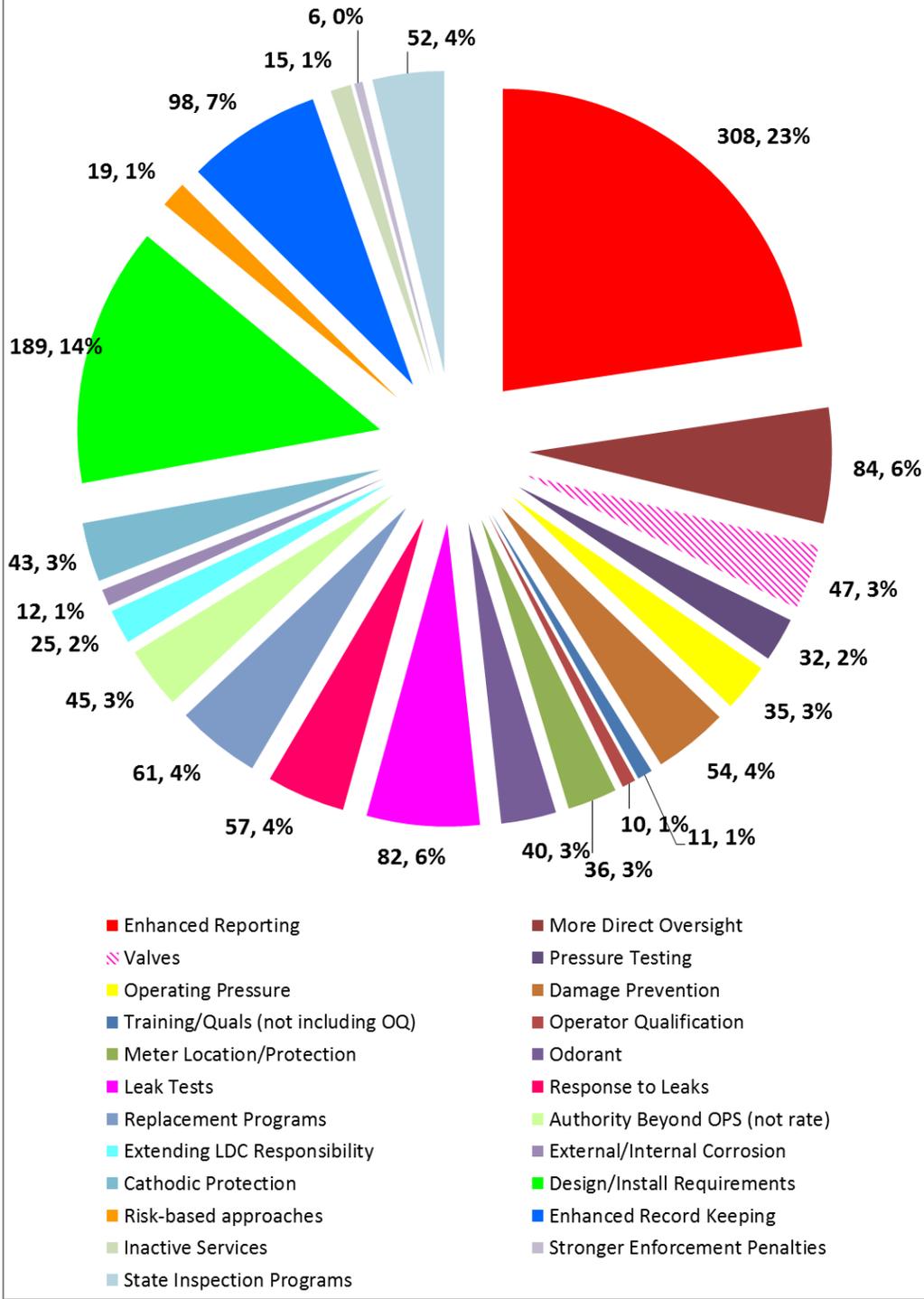


### Safety Initiatives by Category:

Category	Initiatives	
<b>1 Enhanced Reporting</b>	<b>308</b>	<b>23%</b>
<b>2 More Direct Oversight</b>	<b>84</b>	<b>6%</b>
<b>3 Valves</b>	<b>47</b>	<b>3%</b>
<b>4 Pressure Testing</b>	<b>32</b>	<b>2%</b>
<b>5 Operating Pressure</b>	<b>35</b>	<b>3%</b>
<b>6 Damage Prevention</b>	<b>54</b>	<b>4%</b>
<b>7 Training/Quals (not including OQ)</b>	<b>11</b>	<b>1%</b>
<b>8 Operator Qualification</b>	<b>10</b>	<b>1%</b>
<b>9 Meter Location/Protection</b>	<b>36</b>	<b>3%</b>
<b>10 Odorant</b>	<b>40</b>	<b>3%</b>
<b>11 Leak Tests</b>	<b>82</b>	<b>6%</b>
<b>12 Response to Leaks</b>	<b>57</b>	<b>4%</b>
<b>13 Replacement Programs</b>	<b>61</b>	<b>4%</b>
<b>14 Authority Beyond OPS (not rate)</b>	<b>45</b>	<b>3%</b>
<b>15 Extending LDC Responsibility</b>	<b>25</b>	<b>2%</b>
<b>16 External/Internal Corrosion</b>	<b>12</b>	<b>1%</b>
<b>17 Cathodic Protection</b>	<b>43</b>	<b>3%</b>
<b>18 Design/Install Requirements</b>	<b>189</b>	<b>14%</b>
<b>19 Risk-based approaches</b>	<b>19</b>	<b>1%</b>
<b>20 Enhanced Record Keeping</b>	<b>98</b>	<b>7%</b>
<b>21 Inactive Services</b>	<b>15</b>	<b>1%</b>
<b>22 Stronger Enforcement Penalties</b>	<b>6</b>	<b>0%</b>
<b>23 State Inspection Programs</b>	<b>52</b>	<b>4%</b>
<b>Total Number of State Initiatives</b>	<b>1361</b>	<b>100%</b>

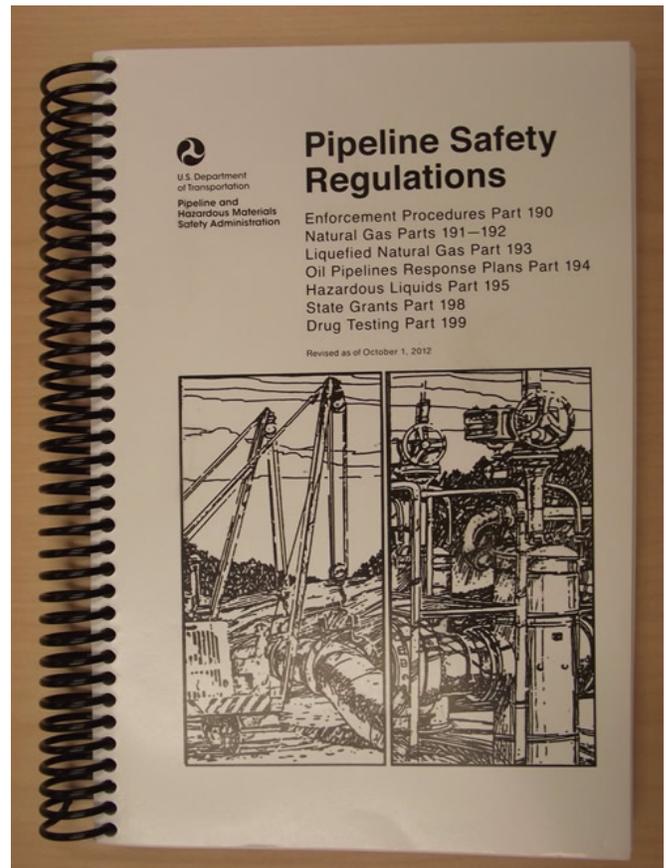


### Summary of State Initiatives By Category



# Federal Regulations Reference Material

<b>Title 49 Code of Federal Regulations</b>		
<b>Part 190 - Pipeline Safety Programs</b>		
SubPart A	General.	Sections 1-11
SubPart B	Enforcement.	Sections 201-239
SubPart C	Procedures for Adoption of Rules.	Sections 301-349
<b>Part 191 - Reports</b>		
-	-	Sections 1-27
<b>Part 192 - Transportation of Natural Gas</b>		
SubPart A	General	Sections 1-16
SubPart B	Materials	Sections 51-65
SubPart C	Pipe Design	Sections 101-125
SubPart D	Design of Pipeline Components	Sections 141-203
SubPart E	Welding of Steel in Pipelines	Sections 221-245
SubPart F	Joining of Materials Other Than by Welding	Sections 271-287
SubPart G	General Construction Requirements for Transmission Lines and Mains	Sections 301-328
SubPart H	Customer Meters, Service Regulators, and Service Lines	Sections 351-383
SubPart I	Requirements for Corrosion Control	Sections 451-491
SubPart J	Test Requirements	Sections 501-517
SubPart K	Up-rating	Sections 551-557
SubPart L	Operations	Sections 601-631
SubPart M	Maintenance	Sections 701-761
SubPart N	Qualification of Pipeline Personnel	Sections 801-809
SubPart O	Gas Transmission Pipeline Integrity Management	Sections 901-951
SubPart P	Distribution Integrity Management Program. (DIMP)	Sections 1001-1015
Appendix A	Reserved	-
Appendix B	Qualification of Pipe	-
Appendix C	Qualification of Welders for Low Stress Level Pipe	-
Appendix D	Criteria for Cathodic Protection and Determination of Measurements	-
Appendix E	Guidance on Determining High Consequence Areas and on Carrying Out Requirements in the Integrity Management Rule	-
<b>Part 195 - Transportation of Hazardous Liquids by Pipelines</b>		
SubPart A	General	Sections 0 - 12
SubPart B	Annual, Accident, and Safety-Related	Sections 48 - 64
SubPart C	Design Requirements	Sections 100 - 134
SubPart D	Construction	Sections 200 - 266
SubPart E	Pressure Testing	Sections 300 - 310
SubPart F	Operation and Maintenance	Sections 400 - 452
SubPart G	Operator Qualification	Sections 501-509
SubPart H	Corrosion Control	Sections 551-589
Appendix A	Delineation Between Federal and State Jurisdiction	-
Appendix B	Risk-Based Alternative to Pressure Testing Older Hazardous Liquid and Carbon Dioxide Pipelines	-
Appendix C	Appendix C to Part 195-Guidance for Implementation of Integrity Management Program	-



## Initiatives by State

Federal Regulation	# of References	Quantity States	States
Part 190.201	1	1	Minnesota
Part 190.203	54	45	Alabama, Arizona, Arkansas PSC, California PUC, California SFM, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming
Part 190.209	1	1	District of Columbia
Part 190.213	4	4	California PUC, Connecticut, Indiana, Nevada
Part 190.221	7	7	Connecticut, Kansas, Maine, Massachusetts, New Hampshire, Rhode Island, Texas
Part 190.223	6	3	California PUC, Massachusetts, New York
Part 190.233	1	1	Connecticut
Part 190.237	1	1	Colorado
Part 191.1	11	5	Arkansas PSC, California PUC, Kentucky, New Jersey, North Carolina
Part 191.3	81	33	Arizona, Arkansas PSC, California, Connecticut, District of Columbia, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Minnesota, Mississippi, Nevada, New Hampshire, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia, Wisconsin, Wyoming
Part 191.5	40	13	Arizona, Arkansas PSC, Colorado, Connecticut, Louisiana, Michigan, Minnesota, Missouri, Nebraska, Nevada, New Hampshire, Tennessee, Washington
Part 191.7	6	3	Arkansas PSC, District of Columbia, Michigan
Part 191.9	19	8	Arizona, Connecticut, Georgia, Missouri, New Hampshire, Ohio, Texas, Washington
Part 191.11	26	16	Arizona, California PUC, Connecticut, Indiana, Kansas, Maine, Missouri, Nevada, New Hampshire, New Jersey, New Mexico, Ohio, Pennsylvania, Virginia, Washington, Wisconsin
Part 191.12	2	2	Washington, Wisconsin



<b>Federal Regulation</b>	<b># of References</b>	<b>Quantity States</b>	<b>States</b>
Part 191.13	1	1	Washington
Part 191.15	11	3	Arizona, Missouri, Washington
Part 191.17	7	6	Arizona, California PUC, Missouri, New Mexico, Texas, Washington
Part 191.22	10	7	Connecticut, Florida, Indiana, Louisiana, Minnesota, New Jersey, Pennsylvania
Part 191.23	1	1	Oregon
Part 191.25	1	1	Indiana
Part 191.27	2	2	Arkansas PSC, Indiana
Part 192.1	9	6	Arkansas PSC, California PUC, Michigan, North Carolina, Tennessee, Texas
Part 192.3	19	13	Colorado, Connecticut, Florida, Illinois, Kansas, Massachusetts, Michigan, Missouri, New York, Tennessee, Texas, Vermont, Wisconsin
Part 192.5	3	3	Massachusetts, New Jersey, Texas
Part 192.7	5	4	Arizona, North Carolina, Rhode Island, South Carolina
Part 192.8	1	1	Ohio
Part 192.9	4	3	Colorado, Michigan, Ohio
Part 192.11	1	1	Virginia
Part 192.13	2	1	Rhode Island
Part 192.14	1	1	Florida
Part 192.15	11	2	Missouri, Ohio
Part 192.16	2	2	Missouri, New Jersey
Part 192.51	1	1	Connecticut
Part 192.53	7	5	Arizona, Connecticut, Delaware, Missouri, Wisconsin
Part 192.55	3	3	Connecticut, Michigan, Wisconsin
Part 192.59	1	1	Connecticut
Part 192.63	1	1	Arizona
Part 192.101	1	1	Massachusetts
Part 192.105	1	1	Michigan
Part 192.121	1	1	Maine
Part 192.123	1	1	Massachusetts
Part 192.125	1	1	Wisconsin
Part 192.141	1	1	New Hampshire
Part 192.144	1	1	Pennsylvania
Part 192.145	1	1	Michigan
Part 192.150	1	1	New Jersey
Part 192.163	2	2	Michigan, Wisconsin
Part 192.167	1	1	Michigan
Part 192.171	1	1	Wisconsin
Part 192.173	1	1	Wisconsin



<b>Federal Regulation</b>	<b># of References</b>	<b>Quantity States</b>	<b>States</b>
Part 192.177	7	1	California PUC
Part 192.179	5	4	California PUC, Florida, Michigan, New Jersey
Part 192.181	20	10	Connecticut, Florida, Maine, Massachusetts, Missouri, New Hampshire, New Jersey, New York, Washington, Wisconsin
Part 192.183	2	2	New Jersey, Wisconsin
Part 192.187	2	2	Michigan, Wisconsin
Part 192.189	1	1	Wisconsin
Part 192.195	1	1	Wisconsin
Part 192.197	12	6	Arkansas PSC, Connecticut, Kentucky, Missouri, Pennsylvania, Wisconsin
Part 192.199	7	4	Missouri, New Hampshire, New York, Wisconsin
Part 192.201	4	4	Alabama, District of Columbia, New York, Rhode Island
Part 192.203	1	1	Wisconsin
Part 192.221	2	2	New Hampshire, New Jersey
Part 192.225	4	3	Arizona, Michigan, New Jersey
Part 192.227	4	4	Arizona, Florida, Michigan, New Jersey
Part 192.229	5	3	New Hampshire, New Jersey, New York
Part 192.231	1	1	New Jersey
Part 192.233	1	1	New Jersey
Part 192.235	2	2	Michigan, New Jersey
Part 192.241	9	6	Arkansas PSC, Massachusetts, Michigan, New Hampshire, New Jersey, New York
Part 192.243	4	3	Florida, Michigan, New Jersey
Part 192.245	2	2	New Jersey, Wisconsin
Part 192.271	5	3	Arkansas PSC, New Hampshire, Texas
Part 192.273	2	2	Michigan, Texas
Part 192.279	1	1	Wisconsin
Part 192.281	7	2	Arkansas PSC, Florida
Part 192.285	1	1	Maine
Part 192.287	1	1	Maine
Part 192.301	7	4	California PUC, Maine, New Hampshire, New Jersey
Part 192.303	9	8	Arkansas PSC, Massachusetts, Nevada, North Carolina, South Carolina, Texas, Virginia, Washington
Part 192.305	38	24	Arizona, Colorado, Connecticut, District of Columbia, Florida, Kansas, Kentucky, Maine, Maryland, Massachusetts, Minnesota, Mississippi, New Hampshire, New Mexico, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Virginia, Washington, Wisconsin



<b>Federal Regulation</b>	<b># of References</b>	<b>Quantity States</b>	<b>States</b>
Part 192.307	2	2	Wisconsin, New Hampshire
Part 192.309	2	2	Michigan, Wisconsin
Part 192.311	1	1	New Hampshire
Part 192.317	4	3	Kansas, Massachusetts, Minnesota
Part 192.319	8	6	Arizona, Iowa, Maine, Maryland, New Hampshire, Wisconsin
Part 192.321	8	5	Arizona, Arkansas PSC, Florida, Oregon, Wisconsin
Part 192.323	6	3	Florida, Massachusetts, Wisconsin
Part 192.325	18	11	Arizona, Connecticut, Maine, Michigan, New Hampshire, New Jersey, New York, Oregon, Virginia, Washington, Wisconsin
Part 192.327	14	8	Iowa, Maine, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Virginia
Part 192.351	5	4	Massachusetts, Missouri, New Jersey, Virginia
Part 192.353	25	12	Connecticut, Illinois, Maine, Michigan, Minnesota, New Hampshire, New Jersey, New York, Rhode Island, South Carolina, Virginia, Washington
Part 192.355	12	6	Illinois, Indiana, Maine, Rhode Island, Virginia, Wisconsin
Part 192.357	12	10	Arizona, Arkansas PSC, Florida, Idaho, Illinois, Indiana, Maryland, New Hampshire, Texas, Virginia
Part 192.359	3	3	District of Columbia, New Jersey, Virginia
Part 192.361	16	10	Arizona, Arkansas PSC, Florida, Illinois, Iowa, Maine, Maryland, New Hampshire, Oregon, Virginia
Part 192.365	9	6	Indiana, Massachusetts, Michigan, New Jersey, New York, Wisconsin
Part 192.367	3	2	Arkansas PSC, Illinois
Part 192.371	2	2	Illinois, Wisconsin
Part 192.375	2	2	Illinois, Wisconsin
Part 192.377	1	1	Wisconsin
Part 192.379	1	1	Florida
Part 192.451	1	1	New Jersey
Part 192.453	4	2	Michigan, Virginia
Part 192.455	3	3	Kansas, Tennessee, Texas
Part 192.457	3	2	Texas, Wisconsin
Part 192.463	7	2	Arizona, Florida,
Part 192.465	16	8	Florida, Kansas, Louisiana, Missouri, New York, Texas, Virginia, Washington
Part 192.467	3	2	New York, Virginia
Part 192.469	2	2	Kansas, Virginia
Part 192.475	2	2	Michigan, Texas
Part 192.477	1	1	Michigan



<b>Federal Regulation</b>	<b># of References</b>	<b>Quantity States</b>	<b>States</b>
Part 192.479	3	3	Florida, Texas, Virginia
Part 192.483	2	2	District of Columbia, New York
Part 192.485	1	1	Michigan
Part 192.487	13	9	Connecticut, Indiana, Kansas, Missouri, New Hampshire, New York, Ohio, Oregon, Tennessee
Part 192.489	20	15	Connecticut, Georgia, Indiana, Kansas, Maine, Minnesota, Missouri, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Tennessee, Washington
Part 192.491	10	8	Arkansas PUC, Arkansas OGC , District of Columbia, Florida, Kansas, Missouri, Virginia, Washington
Part 192.501	3	1	New Jersey
Part 192.503	4	3	Indiana, New Hampshire, New Jersey
Part 192.505	7	6	Arkansas OGC, California PUC, Michigan, New Jersey, New York, Wisconsin
Part 192.507	6	3	California PUC, Massachusetts, New Jersey
Part 192.509	7	4	Kansas, Massachusetts, Michigan, New Jersey
Part 192.511	11	6	Arkansas PSC, Massachusetts, Michigan, New Jersey, New York, Wisconsin
Part 192.513	6	3	Massachusetts, Michigan, New Jersey
Part 192.515	3	2	New Jersey, New York
Part 192.517	15	9	California PUC, Florida, Kansas, Michigan, Missouri, New Hampshire, New Jersey, New York, Washington
Part 192.553	6	6	Kansas, Maine, Michigan, Missouri, New York, Washington
Part 192.555	3	2	Michigan, New York
Part 192.603	29	17	Alabama, Arizona, Arkansas PSC, District of Columbia, Indiana, Kansas, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New Mexico, Ohio, South Carolina, Virginia, Washington
Part 192.605	65	29	California PUC, Colorado, Connecticut, District of Columbia, Florida, Idaho, Illinois, Iowa, Kansas, Kentucky, Maine, Maryland, Michigan, Minnesota, Mississippi, New Hampshire, New Mexico, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia, Washington, Wisconsin, Wyoming
Part 192.609	1	1	New Jersey
Part 192.611	1	1	New Jersey



<b>Federal Regulation</b>	<b># of References</b>	<b>Quantity States</b>	<b>States</b>
Part 192.613	9	5	Michigan, North Carolina, Texas, Virginia, Wisconsin
Part 192.614	57	21	Colorado, Connecticut, District of Columbia, Georgia, Illinois, Indiana, Kansas, Maine, Massachusetts, Michigan, Minnesota, Missouri, New Hampshire, New Jersey, New York, Oregon, Rhode Island, Texas, Virginia, Washington, Wisconsin
Part 192.615	46	23	Alabama, Arizona, Arkansas PSC, California PUC, Connecticut, District of Columbia, Florida, Georgia, Indiana, Iowa, Kansas, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, North Carolina, Ohio, Rhode Island, Texas, Wisconsin
Part 192.616	16	12	California PUC, District of Columbia, Georgia, Maine, Maryland, Michigan, Minnesota, Missouri, New Hampshire, Texas, Virginia, Wisconsin
Part 192.617	10	10	Arizona, Colorado, Georgia, Kansas, New Hampshire, Ohio, Minnesota, North Carolina, Virginia, Washington
Part 192.619	2	1	California PUC
Part 192.621	6	5	Arkansas PSC, Kentucky, Michigan, Virginia, Wisconsin
Part 192.623	13	8	Arkansas PSC, Illinois, Kansas, Kentucky, Mississippi, New Hampshire, Pennsylvania, Wisconsin
Part 192.625	45	18	Arkansas PSC, Connecticut, Florida, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Missouri, New Hampshire, New Jersey, New York, Texas, Virginia, Washington
Part 192.629	3	3	Michigan, New Hampshire, Wisconsin
Part 192.701	1	1	Massachusetts
Part 192.703	13	12	Connecticut, Georgia, Iowa, Kansas, Massachusetts, Michigan, Minnesota, New Jersey, New York, Ohio, Virginia, Washington
Part 192.705	3	2	Michigan, New Jersey
Part 192.706	8	5	Arizona, Michigan, New Mexico, South Carolina, Washington
Part 192.707	5	4	Florida, Michigan, New Hampshire, Wisconsin
Part 192.709	2	2	Missouri, Washington
Part 192.711	1	1	Michigan
Part 192.713	1	1	Wisconsin
Part 192.717	2	1	Michigan



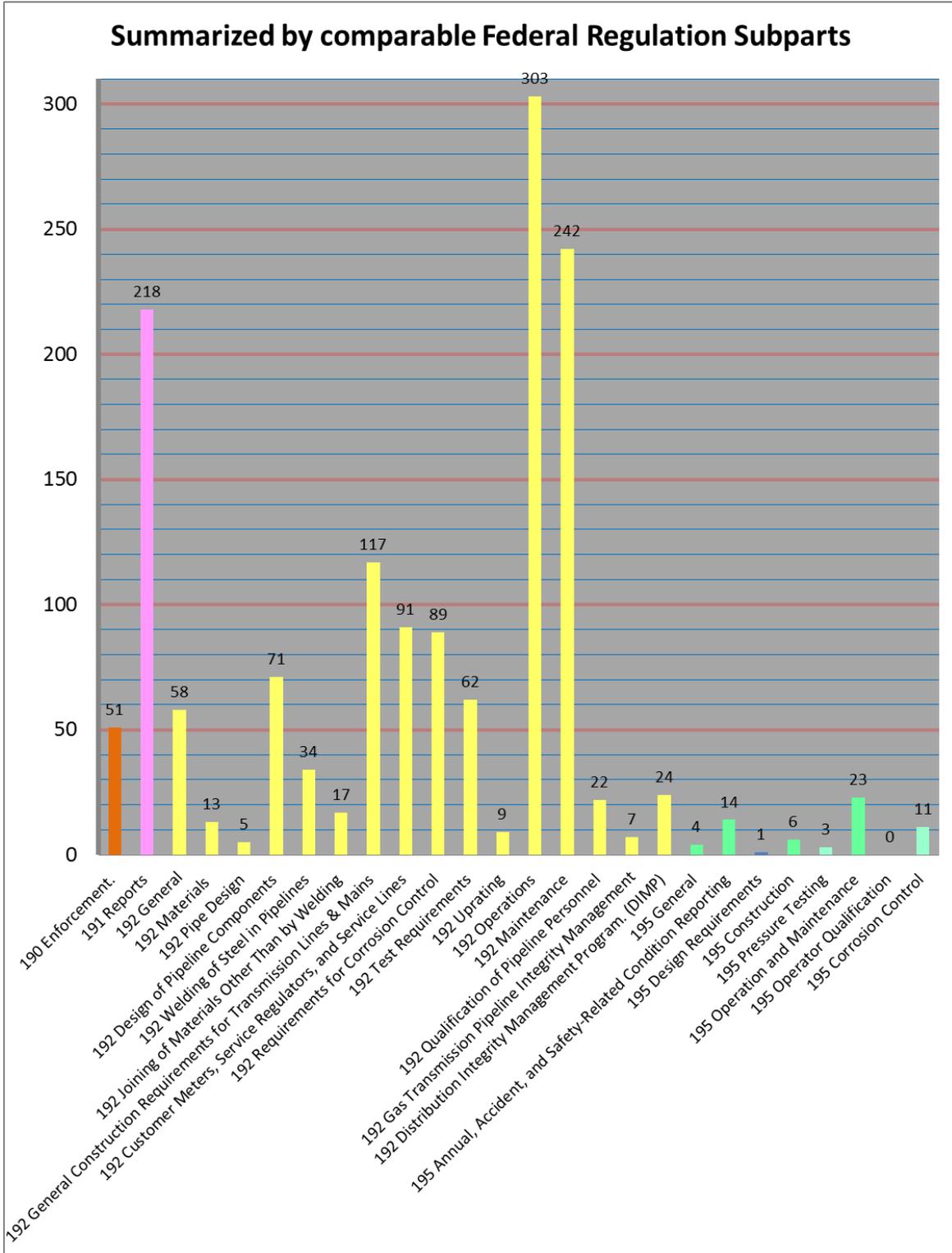
<b>Federal Regulation</b>	<b># of References</b>	<b>Quantity States</b>	<b>States</b>
Part 192.719	2	2	New Jersey, Wisconsin
Part 192.721	3	3	Connecticut, Kansas, Wisconsin
Part 192.723	114	27	Arkansas PSC, California PUC, Connecticut, Delaware, District of Columbia, Florida, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Missouri, New Hampshire, New Jersey, New Mexico, New York, Ohio, Pennsylvania, South Carolina, Tennessee, Texas, Virginia, Washington, Wisconsin
Part 192.725	2	2	Missouri, New Jersey
Part 192.727	18	14	Arizona, Connecticut, District of Columbia, Florida, Maine, Massachusetts, New Hampshire, New York, Pennsylvania, Rhode Island, South Carolina, Vermont, Virginia, Wisconsin
Part 192.731	2	1	Kentucky
Part 192.735	1	1	Wisconsin
Part 192.739	8	5	Arkansas PSC, Connecticut, Florida, Michigan, New Hampshire
Part 192.741	7	6	New Hampshire, North Carolina, Rhode Island, South Carolina, Virginia, Wisconsin
Part 192.743	3	3	Kansas, New York, Wisconsin
Part 192.745	6	4	Michigan, New Jersey, New York, Washington
Part 192.747	25	12	California PUC, Connecticut, Florida, Maine, Massachusetts, Michigan, Missouri, New Hampshire, New York, Vermont, Washington, Wisconsin
Part 192.751	2	2	Michigan, Wisconsin
Part 192.753	2	2	Michigan, Wisconsin
Part 192.755	11	8	Arkansas PSC, Connecticut, Kansas, Massachusetts, Missouri, New Hampshire, New York, Tennessee
Part 192.801	11	9	Connecticut, Florida, Illinois, Kansas, Maine, Mississippi, New Hampshire, Virginia, Washington
Part 192.803	3	3	Minnesota, Missouri, New Hampshire
Part 192.805	8	4	Maine, Missouri, New Hampshire, Virginia
Part 192.901	1	1	Texas
Part 192.907	1	1	Maine
Part 192.909	1	1	Washington
Part 192.947	4	1	New Jersey
Part 192.1001	1	1	Texas
Part 192.1005	6	2	New Hampshire, Texas
Part 192.1007	17	5	Connecticut, Kansas, Minnesota, New Hampshire, Virginia



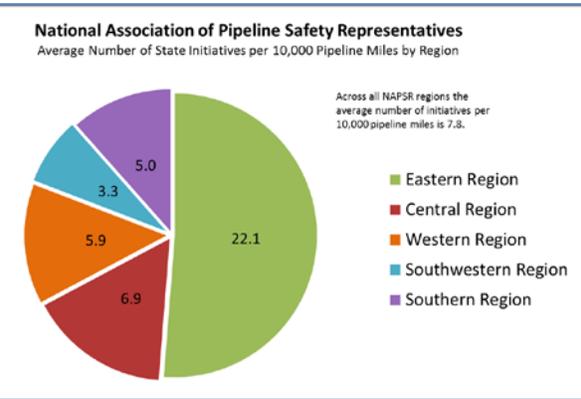
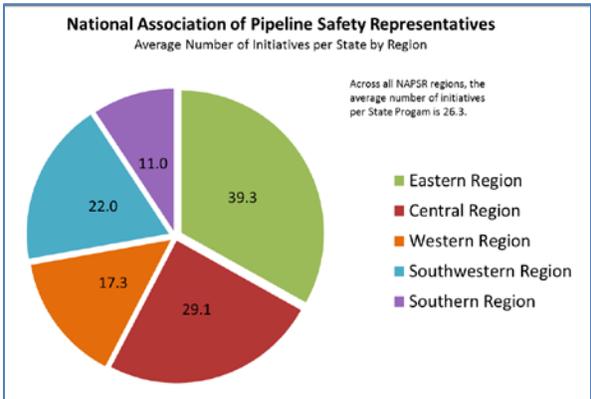
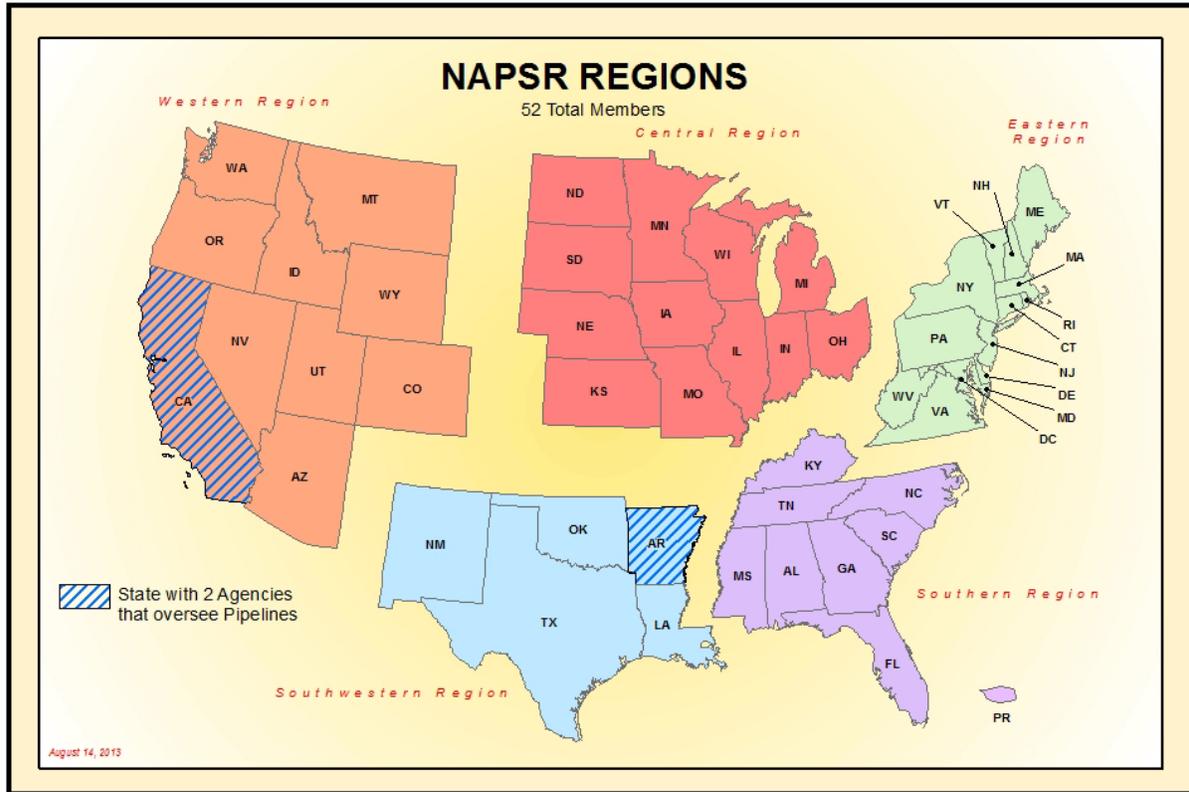
<b>Federal Regulation</b>	<b># of References</b>	<b>Quantity States</b>	<b>States</b>
Part 195.1	2	1	Texas
Part 195.2	2	2	Arizona, Texas
Part 195.49	4	4	Arizona, New Mexico, Pennsylvania, Washington
Part 195.52	7	4	Arizona, California SFM, Louisiana, Washington
Part 195.54	2	1	Arizona
Part 195.64	1	1	Louisiana
Part 195.106	1	1	Washington
Part 195.200	1	1	Washington
Part 195.204	1	1	Texas
Part 195.210	1	1	Arizona
Part 195.214	1	1	Arizona
Part 195.222	1	1	Arizona
Part 195.246	1	1	Arizona
Part 195.300	2	2	California SFM, Washington
Part 195.303	1	1	Louisiana
Part 195.400	1	1	Washington
Part 195.402	5	2	Arizona, Washington
Part 195.403	2	1	California SFM
Part 195.406	1	1	Washington
Part 195.408	1	1	California SFM
Part 195.412	1	1	Washington
Part 195.428	1	1	Washington
Part 195.440	5	2	California SFM, Texas
Part 195.442	2	2	Texas, Washington
Part 195.452	4	3	California SFM, Texas, Washington
Part 195.557	1	1	Texas
Part 195.561	2	1	Washington
Part 195.567	2	1	Texas
Part 195.571	2	2	Arizona, Texas
Part 195.573	2	2	Texas, Washington
Part 195.577	1	1	Texas
Part 195.585	1	1	Texas



## State Modifications of CFR Parts 190, 191, 192 & 195



# NAPSR Initiatives by Region



NAPSR State and Regional Pipeline Safety Initiatives plus 2011 PHMSA Pipeline Mileage Statistics								
Region	Initiatives	Natural Gas Transmission Pipeline Miles (2011)	Natural Gas Gathering System Miles (2011)	Hazardous Liquids Pipeline Miles (2011)	Natural Gas Distribution System Miles (2011)	Total Pipeline Miles (2011)	Pipeline Mile Percentages by State vs. Region	Pipeline Mile Percentages by Region vs. US/PR
<b>Eastern</b>								
1	CT	46	568	0	90	7,696	8,354	3.4%
2	DC	19	20	0	4	1,190	1,214	0.5%
3	DE	4	315	0	45	2,841	3,201	1.3%
4	MA	52	1,061	0	91	21,192	22,344	9.0%
5	MD	12	957	0	366	14,348	15,671	6.3%
6	ME	74	434	0	346	780	1,560	0.6%
7	NH	117	260	0	102	1,866	2,228	0.9%
8	NJ	51	1,469	0	559	33,646	35,674	14.3%
9	NY	64	4,362	358	1,122	47,700	53,542	21.5%
10	PA	15	10,081	551	2,901	47,504	61,037	24.5%
11	RI	21	94	0	13	3,163	3,270	1.3%
12	VA	62	2,989	10	1,137	20,780	24,916	10.0%
13	VT	8	72	0	175	688	935	0.4%
14	WV	5	4,034	555	182	10,561	15,332	6.2%
Eastern Region Totals		550	26,716	1,474	7,133	213,955	249,278	100.0%
Eastern Region Avg per State		39.3	1,908.3	105.3	509.5	15,282.5	17,805.6	14.1%
<b>Central</b>								
1	IA	13	8,376	0	4,868	17,693	30,937	6.1%
2	IL	12	9,440	10	8,029	60,739	78,218	15.4%
3	IN	22	5,498	11	3,903	40,569	49,981	9.9%
4	KS	52	14,318	114	11,413	21,813	47,658	9.4%
5	MI	71	9,180	896	3,177	56,163	69,416	13.7%
6	MN	30	5,644	0	5,062	29,822	40,528	8.0%
7	MO	55	4,551	0	5,564	27,074	37,189	7.3%
8	ND	0	2,180	2	2,883	3,015	8,080	1.6%
9	NE	3	5,874	0	3,158	12,432	21,464	4.2%
10	OH	16	10,356	1,167	3,908	56,824	72,255	14.2%
11	SD	0	1,661	0	803	4,570	7,034	1.4%
12	WI	75	4,516	0	2,701	37,373	44,590	8.8%
Central Region Totals		349	81,594	2,200	55,469	368,087	507,350	100.0%
Central Region Avg per State		29.1	6,799.5	183.3	4,622.4	30,673.9	42,279.2	28.8%
<b>Western</b>								
1	AZ	34	6,629	0	566	24,019	31,214	9.6%
2	CA (FUC)	32	11,836	206	7,374	104,337	123,753	38.2%
3	CA (SRM)	9	See Above	See Above	See Above	See Above	See Above	See Above
4	CO	10	8,906	1,012	3,581	35,792	49,291	15.2%
5	ID	6	1,532	0	638	7,972	10,142	3.1%
6	MT	0	3,871	101	3,082	6,835	13,889	4.3%
7	NV	7	1,646	0	205	9,805	11,656	3.6%
8	OR	9	2,430	0	1,253	15,309	18,992	5.9%
9	UT	0	3,633	5	2,286	16,575	22,499	6.9%
10	WA	70	1,958	0	861	21,686	24,505	7.6%
11	WY	13	6,684	15	6,393	5,007	18,099	5.6%
Western Region Totals		190	49,125	1,339	26,239	247,337	324,040	100.0%
Western Region Avg per State		17.3	4,465.9	121.7	2,385.4	22,485.2	29,458.2	18.4%
<b>Southwestern</b>								
1	AR (PSC)	53	8,133	129	1,805	20,104	30,171	7.5%
2	AR (Oil & Gas)	5	See Above	See Above	See Above	See Above	See Above	See Above
3	LA	8	25,708	1,994	12,154	26,234	66,090	16.4%
4	NM	8	6,798	312	6,723	13,100	26,933	6.7%
5	OK	8	14,594	935	12,086	25,506	53,121	13.2%
6	TX	50	64,772	6,589	58,816	95,415	225,592	56.1%
Southwestern Region Totals		132	120,005	9,959	91,584	180,359	401,907	100.0%
Southwestern Region Avg per State		22.0	20,000.8	1,659.8	15,264.0	30,059.8	66,984.5	22.8%
<b>Southern</b>								
1	AL	5	6,125	836	2,058	29,994	39,013	13.8%
2	FL	50	4,658	0	531	25,988	31,177	11.1%
3	GA	13	4,528	0	2,292	43,268	50,088	17.8%
4	KY	19	7,154	1,280	908	17,410	26,752	9.5%
5	MS	6	10,642	49	3,457	15,791	29,939	10.6%
6	NC	17	3,994	4	1,207	28,714	33,919	12.0%
7	PR	0	0	0	0	0	0	0.0%
8	SC	19	2,757	0	892	24,184	27,833	9.9%
9	TN	11	4,898	7	1,160	37,177	43,242	15.3%
Southern Region Totals		140	44,756	2,176	12,505	222,526	281,963	100.0%
Southern Region Avg per State		15.6	4,972.9	241.8	1,389.4	24,725.1	31,329.2	16.0%
Totals for all Regions		1,361	322,196	17,148	192,930	1,232,264	1,764,538	100.0%

Pipeline Miles Source data: <http://primis.phmsa.dot.gov/comm/States.htm?nocache=9412>  
<http://primis.phmsa.dot.gov/comm/StatePages/Alabama.htm?nocache=5729>  
[http://primis.phmsa.dot.gov/comm/reports/safety/AL\\_detail1.html?nocache=2630](http://primis.phmsa.dot.gov/comm/reports/safety/AL_detail1.html?nocache=2630)  
 Use PHMSA web page drop down menu to select each State, then select each State's "Incident and Mileage Overview".





## Alabama

### Key Stats

State Agency	Alabama Public Service Commission
Division	Energy Division
Department	Gas Pipeline Safety Section
Web	<a href="http://www.psc.state.al.us/Energy/gps/gas_pipeline_safety_section.htm">http://www.psc.state.al.us/Energy/gps/gas_pipeline_safety_section.htm</a>
Regulated Intrastate Pipeline Systems	106
Regulated Master Meter Operators	30
Regulated LNG Systems	5
Regulated Hazardous Liquid Systems	8
Regulated LPG Operators	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	5

### Applicable Requirement in CFR

	Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1.	<b>Enhanced Reporting</b>	Part 192.603	Requires Annual filing of O&M Plans with Commission	AL PSC Order April 21 2004 D#17545 Appendix A Alabama Public Service Commission Rules And Regulations For Gas Pipeline Safety	Rule 2 and Rule 4
2.	<b>Enhanced Reporting</b>	Part 192.615	Requires Annual filing of Emergency Plans with Commission	AL PSC Order April 21 2004 D#17545 Appendix A Alabama Public Service Commission Rules And Regulations For Gas Pipeline Safety	Rule 3 and Rule 4
3.	<b>More Direct Oversight</b>	Part 192.305	Requires Reporting for Pipe Segments greater than 1000 feet	AL PSC Order April 21 2004 D#17545 Appendix A Alabama Public Service Commission Rules And Regulations For Gas Pipeline Safety	Rule 6
4.	<b>Operating Pressure</b>	Part 192.201	Limits Over Pressuring Set Levels to < 21 in w.c	AL PSC Order April 21 2004 D#17545 Appendix A Alabama Public Service	Rule G-5 (b)





# Alabama

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Commission Rules And Regulations For Gas Pipeline Safety	
5. <b>State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

*National Association of Pipeline Safety Representatives*





## Alaska

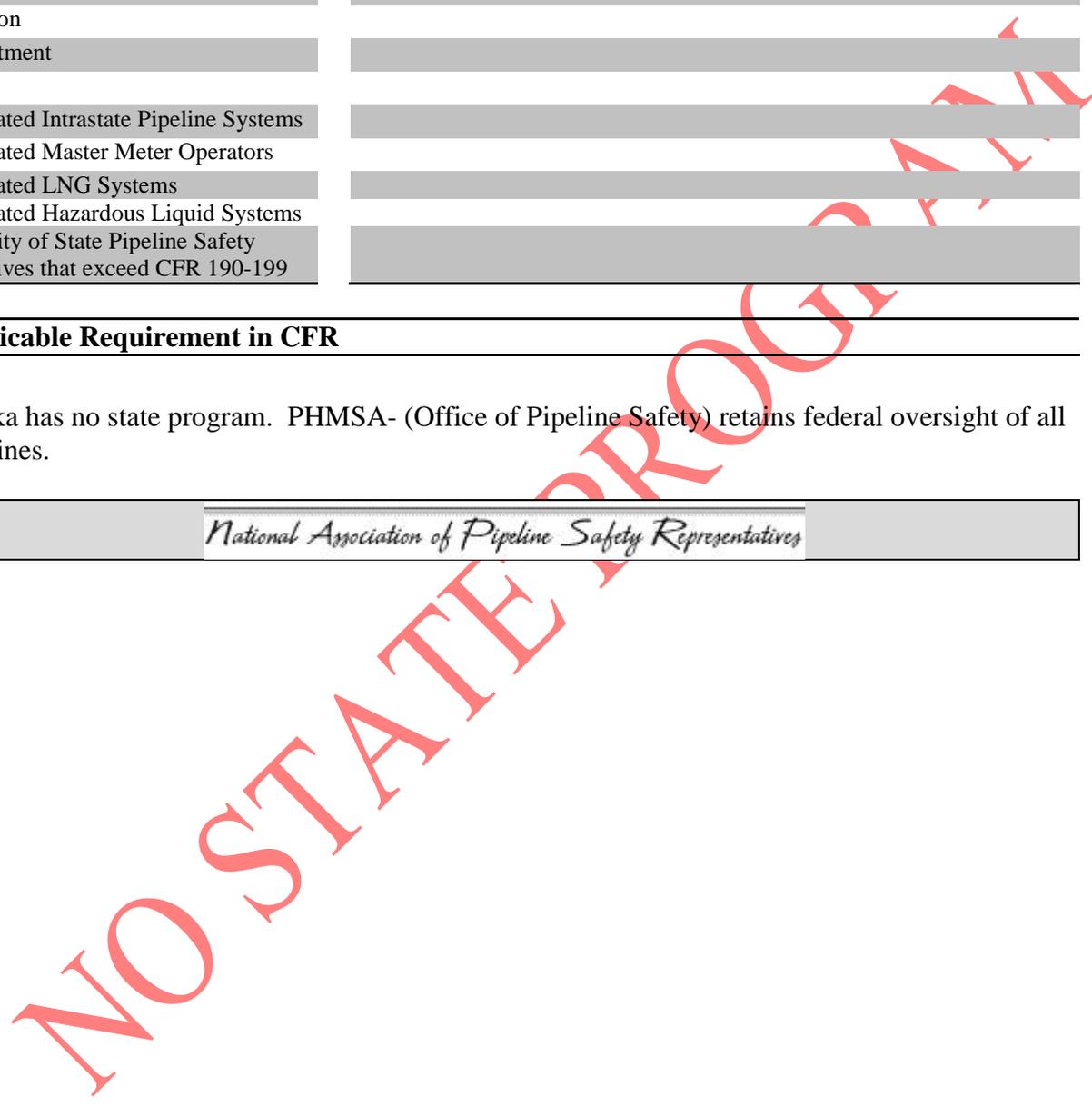
### Key Stats

State Agency
Division
Department
Web
Regulated Intrastate Pipeline Systems
Regulated Master Meter Operators
Regulated LNG Systems
Regulated Hazardous Liquid Systems
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199


### Applicable Requirement in CFR

Alaska has no state program. PHMSA- (Office of Pipeline Safety) retains federal oversight of all pipelines.

*National Association of Pipeline Safety Representatives*





# Arizona

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## Arizona

### Key Stats

State Agency	Arizona Corporation Commission (ACC)
Division	Safety
Department	Pipeline Safety Section
Web	<a href="http://www.azcc.gov/divisions/Safety/default.asp">http://www.azcc.gov/divisions/Safety/default.asp</a>
Regulated Intrastate Pipeline Systems	15
Regulated Master Meter Operators	971
Regulated LNG Systems	2
Regulated LPG Operators	7
Regulated Hazardous Liquid Systems	3
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	34

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. Enhanced Reporting	Part 192.305	Operators of a master meter system must file a notice of construction 30 days prior to commencement of construction	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-205 N Master Meter Systems Operators
2. Enhanced Reporting	Part 191.11	Operators of a master meter system will file an annual report with the ACC by April 15 for the preceding calendar year.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-205 Q Master Meter Systems Operators
3. Enhanced Reporting	Part 191.5 Part 195.52	Telephonic reporting for gas pipeline at \$5,000 property damage	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation	R14-5-203 B Pipeline Incident Reports and Investigations





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Commission Transportation, Article 2 Pipeline Safety	
<b>4. Enhanced Reporting</b>	Part 191.5	Telephonic reporting for gas pipeline explosion or fire not intentionally set by the operator,	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-203 B Pipeline Incident Reports and Investigations
<b>5. Enhanced Reporting</b>	Part 191.5	Telephonic reporting for Emergency transmission line shutdown.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-203 B Pipeline Incident Reports and Investigations
<b>6. Enhanced Reporting</b>	Part 191.5 Part 195.52	Telephonic reporting for gas pipeline that involves a news media inquiry	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-203 B Pipeline Incident Reports and Investigations
<b>7. Enhanced Reporting</b>	Part 191.5	Telephonic reporting for overpressure of pipeline (defined)	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-203 B Pipeline Incident Reports and Investigations
<b>8. Enhanced Reporting</b>	Part 191.5	Telephonic reporting for permanent or temporary discontinuance of gas service to a master	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations;	R14-5-203 B Pipeline Incident Reports and Investigations





# Arizona

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		meter system due to a failure of a leak test	Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	
<b>9. Enhanced Reporting</b>	Part 195.52	Telephonic reporting for liquid pipeline release of 5 gallons if not due to pipeline maintenance,	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-203 B Pipeline Incident Reports and Investigations
<b>10. Enhanced Reporting</b>	Part 191.9 Part 191.15 Part 195.54	Written reports for gas pipeline or hazardous liquid pipeline at \$5,000	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-203 B Pipeline Incident Reports and Investigations Construction and Safety Standards
<b>11. Enhanced Reporting</b>	Part 191.9 Part 191.15 Part 195.54	Written reports gas pipeline for loss of consciousness or need for medical treatment requiring hospitalization or liquid pipeline for occurrence involving loss of consciousness, inability to leave the scene unassisted, need for medical treatment, disability which interferes with a person's normal daily activities beyond the date of the incident	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-203 B Pipeline Incident Reports and Investigations Construction and Safety Standards
<b>12. Enhanced Reporting</b>	Part 191.9 Part 191.15	Written reports for gas pipeline overpressure	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation,	R14-5-203 B Pipeline Incident Reports and Investigations Construction and Safety Standards





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	
<b>13. Enhanced Reporting</b>	Part 191.11 Part 191.17 Part 195.49	Requires annual reports to be filed with ACC by March 15, for the preceding calendar year.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-204 A Annual Reports
<b>14. Enhanced Reporting</b>	Part 192.603 Part 195.402	Operators must file O&M Plan with ACC 30 days prior to placing a pipeline into operation and changes are to be filed within 30 days of effective date of change.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 D Construction and Safety Standards
<b>15. Enhanced Reporting</b>	Part 192.615 Part 195.402	Operators must file Emergency Plan with ACC 30 days prior to placing a pipeline into operation and changes are to be filed within 30 days of effective date of change.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 D Construction and Safety Standards
<b>16. More Direct Oversight</b>	Part 192.7	Requires facilities handling hydrogen sulfide to use Standards: NACE Standard MR-0175-99 (1999 Revision) and API RP55 (1995 Edition)	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 E Construction and Safety Standards
<b>17. More Direct Oversight</b>	Part 191.3 Part 195.2	State Definition differs from Federal Definition of the following: 1) Master Meter	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and	R14-5-201 Definitions





# Arizona

State Page Last Revised: Sept. 2013

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		System. 2) Operator 3) Person 4) Pipeline System 5) State 6) Transportation of Gas	Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	
<b>18. More Direct Oversight</b>	Part 192.617 Part 195.402 Part 193.2515	Requires lab exam when investigating failures.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 S Construction and Safety Standards
<b>19. Damage Prevention</b>	Part 192.321	Operator will install at a minimum, a 14 gauge coated or corrosion resistant , electrically conductive wire as a means of locating the pipe. Tracer wire may not be wrapped around the pipe. Wire may be taped to the pipe provided the adhesive or attachment is not detrimental to the pipe wall.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 N Construction and Safety Standards
<b>20. Response to Leaks</b>	Part 192.706	Requires leak survey and grading per ASME Guide Appendix, 1983 except vegetation surveys. Master Meters must conduct leak surveys not to exceed 15 months	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 R Construction and Safety Standards R14-5-205 O Master Meter System Operators
<b>21. Authority Beyond OPS</b>		Noncompliance with rule by master meter operator constitutes grounds for termination of service, in case of an emergency the AZOPS may give the public	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation	R14-5-205 A Master Meter Systems Operators





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		service corporation oral instructions to terminate service.	Commission Transportation, Article 2 Pipeline Safety	
<b>22. Cathodic Protection</b>	Part 192.463a Part 193.2629 Part 195.571	Cathodic protection per Appendix D except section (I) items 2 and 3 not allowed.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 J Construction and Safety Standards
<b>23. Design/Install Requirements</b>	Part 195.246	Requires buried steel pipe to have bedding and shading	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 O Construction and Safety Standards
<b>24. Design/Install Requirements</b>	Part 192.321	Plastic pipe installed aboveground must be protected by a metal casing or equivalent and approved by the OPS, Temporary aboveground bypasses are permitted for up to 60 days provided the pipeline is protected and is under the direct supervision of the operator at all times.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 M Construction and Safety Standards
<b>25. Design/Install Requirements</b>	Part 192.319	Require 6 inches of sandy type soil surrounding the pipe.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 O Construction and Safety Standards
<b>26. Design/Install</b>	Part 192.321c	Requires slack in	Arizona Administrative	R14-5-202 P





# Arizona

State Page Last Revised: Sept. 2013

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Requirements</b>		plastic pipe to allow for thermal expansion and contraction.	Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	Construction and Safety Standards
<b>27. Design/Install Requirements</b>	Part 192.357d	Requires 3 feet of clearance between regulator vents and a source of ignition or building opening after October 1, 2000.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 I Construction and Safety Standards
<b>28. Design/Install Requirements</b>	Part 192.361f Part 195.210	Operators will not construct any part of a hazardous liquid, LNG, natural gas or other gas pipeline system under a building.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 F Construction and Safety Standards
<b>29. Design/Install Requirements</b>	Part 192.325	Require 8 inches of clearance	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 G Construction and Safety Standards
<b>30. Design/Install Requirements</b>	Part 192.53	Do not allow installation of ABS or aluminum pipe.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission	R14-5-202 L Construction and Safety Standards





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
31. Design/Install Requirements	Part 192.63	Markings per ASTM 1995 only for areas where the service temperature is above 100 ° F.	Transportation, Article 2 Pipeline Safety Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 P Construction and Safety Standards
32. Design/Install Requirements	Part 192.225 Part 192.227 Part 195.214 Part 195.222	Welding and welding procedure qualification is performed according to API 1104 only.	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety	R14-5-202 Q Construction and Safety Standards
33. Inactive Services	Part 192.727	Must abandon regulators, meters or regulation meter sets after 36 months out of service	Arizona Administrative Code, Title 14 Public Service Corporations; Corporations and Associations; Securities Regulation, Chapter 5 Corporation Commission Transportation, Article 2 Pipeline Safety Arizona Administrative Rule	R14-5-202 H Construction and Safety Standards
34. State Inspection Program	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

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## Arkansas - PSC

### Key Stats

State Agency	Arkansas Public Service Commission
Division	Gas and Water Utilities
Department	Pipeline Safety Office
Web	<a href="http://www.apscservices.info/PSOIndex.asp">http://www.apscservices.info/PSOIndex.asp</a>
Regulated Intrastate Pipeline Systems	28
Regulated Master Meter Operators	141
Regulated LNG Systems	1
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	53

PLEASE NOTE: THE ARKANSAS PUBLIC UTILITIES COMMISSION **IS NOT THE LONE AGENCY THAT OVERSEES SAFETY OF ALL GATHERING PIPELINES IN ARKANSAS**. THE OFFICE OF THE ARKANSAS OIL AND GAS COMMISSION OVERSEES THOSE GATHERING PIPELINES THAT **ARE UNAFFILIATED** WITH A NATURAL GAS UTILITY WITHIN ARKANSAS (thus there are 2 sections representing 2 programs for Arkansas).

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.7	Requires each written report excepting "Safety Related Condition Report" be submitted in duplicate to the APSO	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 191.7 Addressee for Written reports
2. <b>Enhanced Reporting</b>	Part 191.5	Requires Incident Reports for outpatient treatment of bodily injury	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 191.5 Telephonic Notice of Certain Incidents
3. <b>Enhanced Reporting</b>	Part 191.5	Requires Incident Reports at \$5K level	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 191.5 Telephonic Notice of Certain Incidents
4. <b>Enhanced Reporting</b>	Part 192.603	Requires filing of O&M Plans if changes occur with Arkansas	Arkansas Docket Number 11-166-R, Order No. 3 adopting	AGPC 192.17 Filing of Operation.





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		Pipeline Safety Office within 20 days of enactment	Arkansas Gas Pipeline Code (AGPC)	Inspection and Maintenance Plan
5. <b>Enhanced Reporting</b>	Part 191.1	Expands reporting requirements to include any pipeline facility that contains 100 ppm of hydrogen sulfide	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 191.1 Scope
6. <b>Enhanced Reporting</b>	Part 191.27	Requires each Operator to report the status of all known and repaired leaks twice annually.	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 191.27 Status of Leaks
7. <b>More Direct Oversight</b>	Part 192.1	Operators includes any pipeline facility that transports gas containing more than 100 ppm of hydrogen sulfide	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.1 What is the Scope of this Part?
8. <b>More Direct Oversight</b>	Part 192.241	Visual inspectors of welds must be previously designated in writing before welding occurs and deemed acceptable	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.241 (d) Inspection and Test of Welds
9. <b>More Direct Oversight</b>	Part 192.303	Application for Certificate of Convenience and Necessity filing requirements for new construction must meet AGPC	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.303 Compliance with Specifications or Standards
10. <b>More Direct Oversight</b>	Part 191.5	Added definition of "Private line" for reference within state pipeline safety rules	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 191.5 Definitions
11. <b>More Direct Oversight</b>	Part 192.361	Installers (external contractors) other than operators must certify piping is installed per code	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.361(h) Service Lines: Installation
12. <b>Operating Pressure</b>	Part 192.197	Only during emergency conditions is maximum actual operating pressure and maximum allowable operating pressure allowed to be	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.197 Control of Pressure of Gas Delivered from High Pressure Distribution





# Arkansas PSC

State Page Last Revised: Sept 2013

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
13. <b>Operating Pressure</b>	Part 192.739	equivalent More stringent requirements for regulators, i.e. Second stage regulator, clear vent stacks, guidance on block valves	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	Systems AGPC 192.739 (a) Pressure Limiting and Regulating Stations: Inspection and Testing
14. <b>Training / Qualifications</b>	Part 192.281	Restricts person making joints on plastic pipe to trained or experienced	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.281(a) Plastic Pipe
15. <b>Training / Qualifications</b>	Part 192.723	Leak Surveys must be performed by trained & qualified personnel in use of equipment and classification methodology. Maps need to accompany the leak survey	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.723 (a) Distribution System: Leak Surveys and Procedures
16. <b>Meter Location/ Protection</b>	Part 191.3	Master Meters prohibited with few exceptions	Arkansas Docket Number 05-21-R, Order No. 3 Adoption of Rules & Regulations Governing Utility Service, and Special Rules Gas, Water, Electricitv and Telenhone	APSC General Service Rules Section 5 Billing Subsection 5.20 Separate Metering and Billing
17. <b>Odorant</b>	Part 192.625	Master meter operators must conduct periodic sampling equivalent to distribution operators.	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.625 Odorization of Gas
18. <b>Odorant</b>	Part 192.625	Defines periodic testing as not exceeding 3 months	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.625 Odorization of Gas
19. <b>Odorant</b>	Part 192.625	Odorant test locations must be at the furthest point from source	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.625 Odorization of Gas
20. <b>Odorant</b>	Part 192.625	Taps off Unodorized Transmission lines must be odorized	Arkansas Docket Number 11-166-R, Order No. 3 adopting	AGPC 192.625 Odorization of Gas





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Arkansas Gas Pipeline Code (AGPC)	
21. Leak Tests	Part 192.511	10 psig Test requirement for service lines other than plastic that operate at less than 1 psig	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.511(b) Test Requirements for Service Lines
22. Leak Tests	Part 192.511	Test procedure must reasonably ensure discovery of leaks	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.511© Test Requirements for Service Lines
23. Leak Tests	Part 192.511	Specifies use of 100 psi gauge scale on service lines other than plastic that operate between 1 psig and 40 psig. Also applies to services greater than 40 psig.	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.511© AGPC 192.511(d) Test Requirements for Service Lines
24. Leak Tests	Part 192.723	Specifies equipment to be used for surveys to be FI units and CGI units	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.723 (b)(1) Distribution System: Leak Surveys and Procedures
25. Leak Tests	Part 192.723	Leak tests outside business districts must be conducted on 3 year cycle (39 months not allowed) if unprotected bare steel and 5 year cycle (63 months not allowed)	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.723(b)(2) Distribution System: Leak Surveys and Procedures
26. Leak Tests	Part 192.723	Master Meter owned underground piping must be leak surveyed every 5 years	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.723 (b) (2) Distribution System: Leak Surveys and Procedures
27. Leak Tests	Part 191.5	Monitoring of Private Line and Master Meter Systems for excess leakage	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 191.5 Hazardous Facilities
28. Response to Leaks	Part 192.723	Leak Classification System and Required timeline for Repairs	Arkansas Docket Number 11-166-R, Order No. 3 adopting	AGPC 192.723(e) Distribution Systems: Leakage





# Arkansas PSC

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
29. Response to Leaks	Part 192.723	Guidelines and methodology for leak classification is specified and include at least 4 factors, proportion, location, dispersion, evaluation	Arkansas Gas Pipeline Code (AGPC) Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	Surveys and Procedures AGPC 192.723 (d) Distribution System: Leak Surveys and Procedures
30. Response to Leaks	Part 192.723	Requires prompt response to reported leaks with additional guidance for terminating gas upstream of customer service piping and allowance for customer to repair own service piping	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.723 (f) Distribution System: Leak Surveys and Procedures
31. Response to Leaks	Part 192.723	Requires prompt response for any leak involving public authorities, police, fire.	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.723(f) Distribution System: Leak Surveys and Procedures
32. Replacement Program	Part 192.755	Replacement Program for Cast Iron/Bare Steel Mains and Services	Arkansas Docket Number 00-353-U Order No. 3 dated 1/8/2003	Exhibit A Sections 1-10 Agreement
33. Extending LDC Responsibility	Part 192.303	Outlines special requirements for new construction by Master Meter operators to be reviewed by LDC prior to installation and operation	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.303 Compliance with Specifications or Standards
34. Design/Install Requirements	Part 192.197 Part 192.357	<b>All</b> Regulators including service regulators must be vented to outside of building regardless of location ( <b>not just at customer meter sets</b> ) Also applicable to those regulators referenced in Part 192.197 (c)(3)	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.197 (b)(2) AGPC 192.197 (e) Control of Pressure of Gas Delivered from High Pressure Distribution Systems
35. Design/Install Requirements	Part 192.271	Requires threaded couplings meet AP5LB	Arkansas Docket Number 11-166-R,	AGPC 192.271© Scope





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		and use sealant and non power to tighten	Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	
36. Design/Install Requirements	Part 192.281	Plastic Pipe of different materials may not be joined with solvent cement and only with heat fusion or mechanical joining	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.281(a) AGPC 192.281(b)(1) Plastic Pipe
37. Design/Install Requirements	Part 192.281	Joints must be gas-tight and installed with material that will prevent tensile pull-outs	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.281(e)(1) Plastic Pipe
38. Design/Install Requirements	Part 192.281	Internal tubular stiffeners for plastic pipe must have lock inserts, serrations, or grip rings	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.281(e)(3) Plastic Pipe
39. Design/Install Requirements	Part 192.281	Internal stiffeners to be free of rough or sharp edges with smooth fit into pipe	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.281(e)(4) Plastic Pipe
40. Design/Install Requirements	Part 192.281	Internal stiffeners shall be flush with end of pipe and extend past compressed area	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.281(e)(5) Plastic Pipe
41. Design/Install Requirements	Part 192.321	More stringent requirements for qualifications of installers of plastic pipes	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.321(a) Installation of Plastic Pipe
42. Design/Install Requirements	Part 192.321	Specifically requires minimized stress from construction backfill, thermal contraction, and external loading	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.321(d) Installation of Plastic Pipe
43. Design/Install Requirements	Part 192.367	Requires plastic service lines connected to mains w/ mechanical joints be joined in accordance with 192.281(e)	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.367(b)(3) Service Lines General Requirements for Connections to Main Piping
44. Design/Install Requirements	Part 192.367	Added sleeve over tie-in shear point	Arkansas Docket Number 11-166-R,	AGPC 192.367© Service Lines





# Arkansas PSC

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	General Requirements for Connections to Main Piping
45. <b>Enhanced Record Keeping</b>	Part 192.491	Does not exempt locations of anodes installed after 1971 from mapping requirements	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.491(a) Corrosion Control Records
46. <b>Enhanced Record Keeping</b>	Part 192.491	Requires all corrosion control records be maintained for life of pipeline, not 5 years	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.491(b) Corrosion Control Records
47. <b>Enhanced Record Keeping</b>	Part 192.615	Requires maintenance of a current map of entire system	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.615 (d) Emergency Plans
48. <b>Enhanced Record Keeping</b>	Part 192.723	Leak Repair Records must be kept for life of service if corrosion leak. Leak Repair Records kept for 2 most recent leak surveys	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.723(g) Distribution System: Leak Surveys and Procedures
49. <b>Enhanced Record Keeping</b>	Part 192.615	Requires identification of all key valves which may be needed for safe operation	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.615 (d) Emergency Plans
50. <b>Enhanced Record Keeping</b>	Part 192.621	Maximum Allowable Operating Pressure must be identified on all maps, drawings, regulator stations and other appropriate records	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.621 Maximum Allowable Operating Pressure: High Pressure Distribution Systems
51. <b>Enhanced Record Keeping</b>	Part 192.623	Maximum Allowable Operating Pressure must be identified on all maps, drawings, regulator stations and other appropriate records	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	AGPC 192.623 Maximum and Minimum Allowable Operating Pressure: Low Pressure





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>52. Enhanced Record Keeping</b>	Part 192.197	Maximum Actual Operating Pressure must be identified on all maps, drawings, regulator stations and other appropriate records	Arkansas Docket Number 11-166-R, Order No. 3 adopting Arkansas Gas Pipeline Code (AGPC)	Distribution Systems AGPC 192.622 Maximum Actual Operating Pressure: High Pressure Distribution Systems
<b>53. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections





### Arkansas - OGC

#### Key Stats

State Agency
Division
Department
Web
Regulated Intrastate Pipeline Systems
Regulated Master Meter Operators
Regulated LNG Systems
Regulated Hazardous Liquid Systems
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199

Oil and Gas Commission
Pipeline Program Division
Field Inspection Services
<a href="http://www.aogc.state.ar.us/">http://www.aogc.state.ar.us/</a>
8
0
0
0
5

THE ARKANSAS OIL AND GAS COMMISSION **IS NOT THE LONE AGENCY THAT OVERSEES SAFETY OF ALL GATHERING PIPELINES IN ARKANSAS.** THE ARKANSAS PUBLIC UTILITIES COMMISSION OVERSEES THOSE GATHERING PIPELINES THAT **ARE AFFILIATED** WITH A NATURAL GAS UTILITY WITHIN ARKANSAS (thus there are 2 sections representing 2 safety programs for Arkansas)

#### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. Enhanced Reporting	Part 191.7	Requires each operator to submit an annual permit showing contact information, location and map of pipeline depicting beginning and endpoints including road, river and rail crossings	Arkansas Administrative Rule for the Oil and Gas Commission Rule D-17: General Rule For The Regulation Of Natural Gas Pipelines	Section (c) (1) Section (c) (2) Section (c) (3) General Requirements for all Jurisdictional and Non-Jurisdictional Pipelines
2. Enhanced Reporting	Part 191.7	Requires 48 hour advance notification of repairs to pipeline or new construction	Arkansas Administrative Rule for the Oil and Gas Commission Rule D-17: General Rule For The Regulation Of Natural Gas Pipelines	Section (c) (4) General Requirements for all Jurisdictional and Non-Jurisdictional Pipelines
3. Enhanced Reporting	Part 191.7	Requires notification within 24 hours of	Arkansas Administrative Rule	Section (c) (5) General





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		exceedance of MAOP	for the Oil and Gas Commission Rule D-17: General Rule For The Regulation Of Natural Gas Pipelines	Requirements for all Jurisdictional and Non-Jurisdictional Pipelines
<b>4. Pressure Testing</b>	Part 192.505	Requires pressure test to be at minimum of 1.25 times of MAOP even if no structure is within 300 feet for those pipelines that contain sour gas	Arkansas Administrative Rule for the Oil and Gas Commission Rule D-17: General Rule For The Regulation Of Natural Gas Pipelines	Section (f) (1) (c) Additional Requirements for All Pipelines Containing 100 PPM or Greater Hydrogen Sulfide
<b>5. External/Internal Corrosion</b>	Part 192.491	For sour gas lines, requires annual submission of corrosion program and activities performed	Arkansas Administrative Rule for the Oil and Gas Commission Rule D-17: General Rule For The Regulation Of Natural Gas Pipelines	Section (f) (1) (c) Additional Requirements for All Pipelines Containing 100 PPM or Greater Hydrogen Sulfide

*National Association of Pipeline Safety Representatives*





## California - PUC

### Key Stats

State Agency	California Public Utilities Commission
Division	Consumer Protection and Safety Division
Department	Utilities Safety and Reliability Branch – Gas Section
Web	<a href="http://www.cpuc.ca.gov/PUC/safety/Pipeline/">http://www.cpuc.ca.gov/PUC/safety/Pipeline/</a>
Regulated Intrastate Pipeline Systems	10
Regulated Master Meter Operators	2,520 (Mobile Home Parks)s
Regulated LPG Operators	665
Regulated LNG Systems	1
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	32

PLEASE NOTE: THE CALIFORNIA PUBLIC UTILITIES COMMISSION **DOES NOT OVERSEE SAFETY** OF HAZARDOUS LIQUID PIPELINES. THE OFFICE OF THE STATE FIRE MARSHAL OVERSEES HAZARDOUS LIQUID PIPELINES IN CALIFORNIA thus there are 2 sections for California

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. Enhanced Reporting	Part 191.3	Requires incidents to be reported that involve significant media coverage	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	Section 122.2 Gas Incident Reports
2. Enhanced Reporting	Part 191.3	Requires quarterly reporting of all incidents involving escaping gas and exceeding \$1,000 in property damage and incidents which included property damage between \$0 and \$1,000, and	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping	Section 122.2 Gas Incident Reports





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		involved fire, explosion, or underground dig-ins.	Systems	
3. <b>Enhanced Reporting</b>	Part 192.179	Each owner or operator of a CPUC-regulated gas pipeline facility that is an intrastate transmission line shall provide the CPUC with a valve location plan.	California Public Utilities Code	Section 957
4. <b>Enhanced Reporting</b>	Part 192.619	Each gas corporation shall submit to the CPUC a proposed comprehensive pressure testing implementation plan for all intrastate transmission lines to either pressure test those lines or to replace all segments of intrastate transmission lines that were not pressure tested or that lack sufficient details related to performance of pressure testing.	California Public Utilities Code	Section 958
5. <b>Enhanced Reporting</b>	Part 191.11	Every master meter operator shall prepare and submit to the commission annually a report on the master meter distribution system.	California Public Utilities Code	Section 4354 (a)
6. <b>Enhanced Reporting</b>	Part 191.11	Every propane system operator of a system serving 10 or more units or where any portion of the system is located in a public place, with the exception of mobile home parks operators, shall prepare and submit to the CPUC annually a report on the distribution system.	California Public Utilities Code	Section 4454





# California PUC

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		In the case of mobile home parks, the report shall be submitted to the CPUC at the same time the annual application for a permit to operate the mobile home park is submitted to the department or the local enforcement agency.		
<b>7. Enhanced Reporting</b>	Part 191	At least 30 days prior to the construction of a new pipeline, or the reconstruction or reconditioning of an existing pipeline, to be operated at hoop stresses of 20 percent or more of the specified minimum yield strength of the pipe used, a report shall be filed with the CPUC setting forth the proposed route and general specifications for such pipeline. For utilities with less than 50,000 services, the Report shall be submitted to the CPUC for any installation that is estimated to cost \$1,000,000 or more. For utilities with 50,000 or more services, the Report shall be filed with the CPUC for any installation that is estimated to cost \$2,500,000 or more.	General Order 112-E	Section 125
<b>8. Enhanced Reporting</b>	Part 191.17	Twice a year, or as determined by the CPUC, each gas corporation shall file	California Public Utilities Code	Section 958.5





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		with the CPUC Consumer Protection Safety Division a gas transmission and storage safety report.		
<b>9. Enhanced Reporting</b>	Part 191.1	Pipeline operators are to provide notice to the CPUC of any self-identified violations discovered	CPUC Citation Program	Resolution ALJ-274
<b>10. More Direct Oversight</b>	Part 192.1(b)(5)	Propane Distribution Systems are defined that includes more jurisdictional systems than federal government	California Public Utilities Code	Section 4451
<b>11. More Direct Oversight</b>	Part 192.615 Part 192.616	Owners and operators of intrastate transmission and distribution lines, at least once each calendar year, shall meet with each local fire department having fire suppression responsibilities in the area where those lines are located to discuss and review contingency plans for emergencies involving the intrastate transmission and distribution lines within the jurisdiction of the local fire department.	California Public Utilities Code	Section 956.5
<b>12. More Direct Oversight</b>	Part 192.605, 192.615, 192.616, 192.631, 192.907, 192.1005	Each gas corporation shall develop a plan for the safe and reliable operation of its CPUC-regulated gas pipeline facilities. Each gas corporation shall periodically	California Public Utilities Code	Section 961





# California PUC

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		<p>review and update the plan, and the CPUC shall review and accept, modify, or reject an updated plan at regular intervals thereafter. The plan may include any additional matter that the CPUC determines should be included in the plan.</p>		
<p><b>13. Pressure Testing</b></p>	<p>Part 192.619 Part 192.503 Part 192.505 Part 192.507 Part 192.517</p>	<p>Each gas corporation shall prepare a proposed comprehensive pressure testing implementation plan for all intrastate transmission lines to either pressure test those lines or to replace all segments of intrastate transmission lines that were not pressure tested or that lack sufficient details related to performance of pressure testing. The comprehensive pressure testing implementation plan shall provide for testing or replacing all intrastate transmission lines as soon as practicable. The comprehensive pressure testing implementation plan shall set forth criteria on which pipeline segments were identified for replacement instead of pressure testing.</p>	<p>California Public Utilities Code</p>	<p>Section 958</p>





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>14. Meter Location/Protection</b>	Part 192.301 Part 191.3	Residents of mobile home parks and manufactured housing communities constructed after January 1, 1997, shall be individually metered and served by gas distribution facilities owned, operated, and maintained by the gas corporation providing the service in the area where the new park or community is located consistent with the commission's orders regarding unbundling, aggregation, master-metering, and selection of suppliers by residential customers. <i>(Prohibits new master meters)</i>	California Public Utilities Code	Section 2791(c)
<b>15. Leak Test</b>	Part 192.723(b)(1)	A gas detector survey must be conducted in the vicinity of schools, hospitals, and churches at intervals not exceeding 15 months, but as least once every calendar year.	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	Section 143.1 Distribution Systems
<b>16. Response to Leaks</b>	Part 192.605(b)(10)	All leaks of any consequence in gas pipeline, valves and equipment in the vicinity of a holder must be promptly repaired upon discovery, or as soon as practicable. All hazardous leaks must be remedied at once.	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	Section 183.1 Pipe-Type & Bottle-Type Holders: Plan For Inspection and Testing
<b>17. Authority Beyond</b>	Part 190.213	Noncompliance with	California Public	Section 4356





# California PUC

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
OPS	Part 192.615	rule regarding master meter operator requirement to correct and repair a gas leak or other safety hazard constitutes grounds for termination of service	Utilities Code	
18. External/Internal Corrosion	Part 192.605(b)(10)	An internal and external inspection of high pressure holder required every 10 years by qualified inspectors with reports submitted to Commission	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	Section 183.2 Pipe-Type & Bottle-Type Holders: Plan For Inspection and Testing
19. External/Internal Corrosion	Part 192.605(b)(10)	When impractical to enter holder corrosion inspection shall be completed with plugs/holes in shell. End closures shall be removed if entering for interior corrosion inspection	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	Section 183.3 Pipe-Type & Bottle-Type Holders: Plan For Inspection and Testing
20. External/Internal Corrosion	Part 192.605(b)(10)	Calibration of ultrasonic testing equipment must be within .002 inch is required when NDT is method of inspection to measure wall thickness	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	Section 183.4 Pipe-Type & Bottle-Type Holders: Plan For Inspection and Testing
21. External/Internal Corrosion	Part 192.605(b)(10)	If defective or hazardous condition found in holders they must be taken out of service or immediately repaired and confirmed by soil excavations at the	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering,	Section 183.5 Pipe-Type & Bottle-Type Holders: Plan For Inspection and Testing





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		soil/air interface vicinity to ensure no corrosion or leakage is present.	Transmission, and Distribution Piping Systems	
<b>22. Design/Install Requirement</b>	Part 192.177	Electrical equipment and wiring installed at holders must conform to the National Electrical Code, NFPA-70, so far as that Code is applicable.	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	Section 182.2 Pipe-Type & Bottle-Type Holders: Design and Construction
<b>23. Design/Install Requirement</b>	Part 192.177	Any holder designed and constructed in accordance with the requirements for location class 1 or 2, but not 3, shall be installed at least 75 feet from a flammable building or adjoining property that may have a flammable building constructed thereon in the future, or from the nearest rail or a track on a railroad private right-of-way.	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	Section 182.3 Pipe-Type & Bottle-Type Holders: Design and Construction
<b>24. Design/Install Requirement</b>	Part 192.177	Each vent line that exhausts gas from a pressure relief valve or blowdown valve must extend to a location where the gas may be discharged without hazard.	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	Section 182.4 Pipe-Type & Bottle-Type Holders: Design and Construction
<b>25. Design/Install Requirements</b>	Part 192.177	A device which will maintain a continuous pressure record shall be installed at the inlet or outlet of each holder, except that	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and	Section 182.5 Pipe-Type & Bottle-Type Holders: Design and Construction





# California PUC

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		where a group of holders are jointly connected and are all filled from the same gas source and all empty into a common line or system, only one device will be required. A pressure indicating device shall be installed on each container in the holder.	Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	
<b>26. Design/Install Requirement</b>	Part 192.177	Each holder facility must have adequate fire-protection facilities.	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	Section 182.6 Pipe-Type & Bottle-Type Holders: Design and Construction
<b>27. Design/Install Requirement</b>	Part 192.177	Holders shall be provided with overpressure protection systems complying with the requirements of 192.195.	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	Section 182.7 Pipe-Type & Bottle-Type Holders: Design and Construction
<b>28. Design/Install Requirement</b>	Part 192.177	When a holder is constructed adjacent to any existing electric transmission line normally carrying voltages in excess of 50,000 volts, the holder shall be located no nearer to the lines than the height of the poles carrying them.	CPUC General Order 112-E, State of California Rules Governing Design, Construction, Testing, Operation, and Maintenance of Gas Gathering, Transmission, and Distribution Piping Systems	Section 182.8 Pipe-Type & Bottle-Type Holders: Design and Construction
<b>29. Design/Install</b>	Part 192.179	The CPUC shall	California Public	Section 957





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Requirements</b>		require the installation of automatic shutoff or remote controlled sectionalized block valves on both of the following facilities, if it determines those valves are necessary for the protection of the public: a) Intrastate transmission lines that are located in a high consequence area and b) Intrastate transmission lines that traverse an active seismic earthquake fault.	Utilities Code	
<b>30. Enhanced Record Keeping</b>	Part 192.615 Part 192.747	Every operator shall maintain all of the following: A map, drawing, or diagram which indicates the location of the distribution system's main and service lines, master-meter, and the identity of key valves.	California Public Utilities Code	Section 453.5 (a)
<b>31. Stronger Enforcement Penalties</b>	Part 190.223	Every violation of any part of any order, decision, decree, rule, direction, demand, or requirement of the CPUC, by any corporation or person is a separate and distinct offense, and in case of a continuing violation each day's continuance thereof shall be a separate and distinct offense.	California Public Utilities Code	Section 2108





# California PUC

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
32. State Inspection Program	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

PLEASE NOTE: THE CALIFORNIA PUBLIC UTILITIES COMMISSION **DOES NOT OVERSEE SAFETY** OF HAZARDOUS LIQUID PIPELINES. THE OFFICE OF THE STATE FIRE MARSHAL OVERSEES HAZARDOUS LIQUID PIPELINES IN CALIFORNIA thus there are 2 sections for California





## California - SFM

Key Stats	
State Agency	Office of the State Fire Marshal
Division	Pipeline Safety
Department	CalFire
Web	<a href="http://osfm.fire.ca.gov/pipeline/pipeline.php">http://osfm.fire.ca.gov/pipeline/pipeline.php</a>
Regulated Intrastate Systems	55 operators ( 4580 miles)
Regulated LPG Systems	0
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	55
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	9

PLEASE NOTE: THE OFFICE OF THE STATE FIRE MARSHAL **DOES NOT OVERSEE SAFETY** OF GAS PIPELINES. THE CALIFORNIA PUBLIC UTILITIES COMMISSION OVERSEES SAFETY OF GAS PIPELINES IN CALIFORNIA thus there are 2 separate state agencies for California pipelines.

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. Enhanced Reporting	Part 195.403 Part 195.440	Every pipeline operator shall provide to the fire department having fire suppression responsibilities a map or suitable diagram showing the location of the pipeline, a description of all products transported within the pipeline, and a contingency plan for pipeline emergencies which shall include, but not be limited to any reasonable information which the State Fire Marshal may require.	California Government Code Title 5, Local Agencies. Division 1. Cities And Counties. Part 1. Powers and Duties Common to Cities and Counties, Chapter 5.5. The Elder California Pipeline Safety Act of 1981	Section 51015.(a)
2. Enhanced Reporting	Part 195.52	Every rupture, explosion, or fire involving a pipeline, including a pipeline system	California Government Code Title 5, Local Agencies. Division 1. Cities And Counties. Part	Section 51018





# California SFM

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		otherwise exempted by subdivision (a) of Section 51010.5, and including a pipeline undergoing testing, shall be immediately reported by the pipeline operator to the fire department having fire suppression responsibilities and to the Office of Emergency Services..	1. Powers and Duties Common to Cities and Counties, Chapter 5.5. The Elder California Pipeline Safety Act of 1981	
<b>3. More Direct Oversight</b>	Part 195.403 Part 195.440	Every pipeline operator shall offer to meet with the local fire department having fire suppression responsibilities at least once each calendar year to discuss and review contingency plans for pipeline emergencies.	California Government Code Title 5, Local Agencies. Division 1. Cities And Counties. Part 1. Powers and Duties Common to Cities and Counties, Chapter 5.5. The Elder California Pipeline Safety Act of 1981	Section 51015.(c)
<b>4. Pressure Testing</b>	Part 195.300	All pressure tests must be witnessed by an independent testing firm.	California Government Code Title 5, Local Agencies. Division 1. Cities And Counties. Part 1. Powers and Duties Common to Cities and Counties, Chapter 5.5. The Elder California Pipeline Safety Act of 1981	Section 51014.5
<b>5. Pressure Testing</b>	Part 195.452	Piping within a bulk loading facility to be tested every 5 years.	California Government Code Title 5, Local Agencies. Division 1. Cities And Counties. Part 1. Powers and Duties Common to Cities and Counties, Chapter 5.5. The Elder California Pipeline Safety Act of 1981	Section 51013.5(e)
<b>6. Pressure Testing</b>	Part 195.452	All pipelines shall be pressure tested or internally inspected every five years.	California Government Code Title 5, Local Agencies. Division 1. Cities And Counties. Part 1. Powers and Duties Common to Cities and	Section 51013.5





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Counties, Chapter 5.5. The Elder California Pipeline Safety Act of 1981	
7. Leak Tests	Part 195.452	Higher risk category for pipelines that experience a leak meeting defined criteria. Pipelines to be tested every 2 years until five years pass without another leak.	California Government Code Title 5, Local Agencies. Division 1. Cities And Counties. Part 1. Powers and Duties Common to Cities and Counties, Chapter 5.5. The Elder California Pipeline Safety Act of 1981	Section 51013.5(f)
8. Design/ Install Requirements	Part 195.452	No person, other than the pipeline operator, shall do any of the following with respect to any pipeline easement: (1) Build, erect, or create a structure or improvement within the pipeline easement or permit the building, erection, or creation thereof. (2) Build, erect, or create a structure, fence, wall, or obstruction adjacent to any pipeline easement which would prevent complete and unimpaired surface access to the easement, or permit the building, erection, or creation thereof. (b) No shrubbery or shielding shall be installed on the pipeline easement which would impair aerial observation of the pipeline easement.	California Government Code Title 5, Local Agencies. Division 1. Cities And Counties. Part 1. Powers and Duties Common to Cities and Counties, Chapter 5.5. The Elder California Pipeline Safety Act of 1981	Section 51014.6
9. State Program Inspections	Part 195.408 Part 195.440 Part 190.203	The State Fire Marshal shall develop a comprehensive data base of pipeline information that can be utilized for emergency response and program operational	California Government Code Title 5, Local Agencies. Division 1. Cities And Counties. Part 1. Powers and Duties Common to Cities and Counties, Chapter 5.5.	Section 51015.(c)





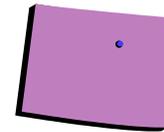
# California SFM

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		purposes. The data base shall include information on pipeline location, age, reported leak incidences, and inspection history, and shall have the capability of mapping pipeline locations throughout the state.	The Elder California Pipeline Safety Act of 1981	

PLEASE NOTE: THE OFFICE OF THE STATE FIRE MARSHAL **DOES NOT OVERSEE SAFETY** OF GAS PIPELINES. THE CALIFORNIA PUBLIC UTILITIES COMMISSION OVERSEES SAFETY OF GAS PIPELINES IN CALIFORNIA thus there are 2 separate state agencies for California pipelines.





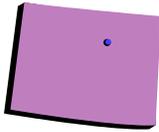
## Colorado

Key Stats	
State Agency	Colorado Public Utilities Commission
Division	Pipeline Safety
Department	Department of Regulatory Agencies
Web	<a href="http://www.colorado.gov/cs/Satellite?c=Page&amp;childpagename=DORA-PUC%2FDORALayout&amp;cid=1251632608618&amp;p=1251632608618&amp;page_name=CBONWrapper">http://www.colorado.gov/cs/Satellite?c=Page&amp;childpagename=DORA-PUC%2FDORALayout&amp;cid=1251632608618&amp;p=1251632608618&amp;page_name=CBONWrapper</a>
Regulated Intrastate Pipeline Systems	51
Regulated Master Meter/LPG Operators	22
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	10

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. Enhanced Reporting	Part 191.5	Telephonic Reporting of an Incident to Pipeline Safety Staff within 2 hours = includes Rural gathering	Colorado Department Of Regulatory Agencies, Public Utilities Commission, 4 Code Of Colorado Regulations (CCR) 723-4 Part 4 Rules Regulating Gas Utilities And Pipeline Operators	PUC Rule 4911 Gas Pipeline Safety Filing Incident, Safety-Related Condition, Construction, Damage, and Annual Reports (Telephonic Notices)
2. Enhanced Reporting	Part 191.5	Telephonic Reporting to Pipeline Safety Staff of evacuation of 50 people	Colorado Department Of Regulatory Agencies, Public Utilities Commission, 4 Code Of Colorado Regulations (CCR) 723-4 Part 4 Rules Regulating Gas Utilities And Pipeline Operators	PUC Rule 4911 Gas Pipeline Safety Filing Incident, Safety-Related Condition, Construction, Damage, and Annual Reports (Telephonic Notices)
3. Enhanced	Part 191.5	Telephonic Reporting	Colorado Department	PUC Rule 4911



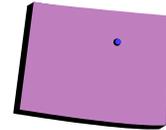


# Colorado

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<b>Reporting</b>			within 2 hours to Pipeline Safety Staff if gas leak causes closure of a roadway or railroad – includes rural Transmission and Gathering	Of Regulatory Agencies, Public Utilities Commission, 4 <i>Code Of Colorado Regulations</i> (CCR) 723-4 Part 4 Rules Regulating Gas Utilities And Pipeline Operators	Gas Pipeline Safety Filing Incident, Safety-Related Condition, Construction, Damage, and Annual Reports (Telephonic Notices)
<b>4. Enhanced Reporting</b>	Part 192.614	Damage Reporting annually to Pipeline Safety Staff for all local distribution operators and municipal operated municipal operated Systems		Colorado Department Of Regulatory Agencies, Public Utilities Commission, 4 <i>Code Of Colorado Regulations</i> (CCR) 723-4 Part 4 Rules Regulating Gas Utilities And Pipeline Operators	PUC Rule 4916 Gas Pipeline Safety Filing Incident, Safety-Related Condition, Construction, Damage, and Annual Reports (Reporting of Pipeline Damage & Locating Information)
<b>5. More Direct Oversight</b>	Part 192.3	Addition definitions for “Major Project”, “Roadway”, “Production Facility		Colorado Department Of Regulatory Agencies, Public Utilities Commission, 4 <i>Code Of Colorado Regulations</i> (CCR) 723-4 Part 4 Rules Regulating Gas Utilities And Pipeline Operators	PUC Rule 4901 Gas Pipeline Safety General Provisions (Definitions)
<b>6. More Direct Oversight</b>	Part 192.305	Construction Notification to Pipeline Safety Staff at least 20 days prior to the start of a Major Project		Colorado Department Of Regulatory Agencies, Public Utilities Commission, 4 <i>Code Of Colorado Regulations</i> (CCR) 723-4 Part 4 Rules Regulating Gas Utilities And Pipeline Operators	PUC Rule 4917 Gas Pipeline Safety Filing Incident, Safety-Related Condition, Construction, Damage, and Annual Reports (Filing Notices of Major Project)
<b>7. More Direct Oversight</b>	Part 192.605	Appropriate Action required by Operators after any Alert Bulletins are issued by PHMSA – OPS, NTSB		Colorado Department Of Regulatory Agencies, Public Utilities Commission, 4 <i>Code Of Colorado Regulations</i> (CCR) 723-4	PUC Rule 4906 Gas Pipeline Safety General Provisions (Alert Notices)





				Part 4 Rules Regulating Gas Utilities And Pipeline Operators	
<b>8. More Direct Oversight</b>	Part 190.237 Part 192.605 Part 192.803 Part 192.617	Amendments of Operator Qualification Plans and Operator Operation and Maintenance Procedures required after any incident, , a safety-related condition, or an abnormal operating condition	Colorado Department Of Regulatory Agencies, Public Utilities Commission, 4 <i>Code Of Colorado Regulations</i> (CCR) 723-4 Part 4 Rules Regulating Gas Utilities And Pipeline Operators	PUC Rule 4953 Gas Pipeline Safety Safety Standards for Gas Transportation by Pipeline and Gas Pipeline Systems (Procedural Updates)	
<b>9. Authority Beyond OPS</b>	Part 192.9	Specific Requirements for Type A,B,C Gathering Pipelines	Colorado Department Of Regulatory Agencies, Public Utilities Commission, 4 <i>Code Of Colorado Regulations</i> (CCR) 723-4 Part 4 Rules Regulating Gas Utilities And Pipeline Operators	PUC Rule 4952 Gas Pipeline Safety Safety Standards for Gas Transportation by Pipeline and Gas Pipeline Systems (Gathering Pipeline)	
<b>10. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections	

*National Association of Pipeline Safety Representatives*





# Connecticut

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## Connecticut

### Key Stats

State Agency	Department of Energy and Environmental Protection (DEEP)
Division	Public Utilities Regulatory Authority (PURA)
Department	Gas Pipeline Safety Unit (GPSU)
Web	<a href="http://www.ct.gov/pura/cwp/view.asp?a=3363&amp;Q=492678&amp;puraNav_GID=1702">http://www.ct.gov/pura/cwp/view.asp?a=3363&amp;Q=492678&amp;puraNav_GID=1702</a>
Regulated Intrastate Pipeline Systems	4
Regulated Master Meter Operators	0
Regulated LNG Systems	3
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	11
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	46

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3 Part 191.5 Part 191.9	Enhanced accident reporting including 1 hour notification requirement.	Regulations of Connecticut State Agencies	Sections 16-16-1 Sections 16-16-2 Sections 16-16-3 Sections 16-16-4
2. <b>Enhanced Reporting</b>	Part 191.11	Gas companies must file a comprehensive report on the condition of its underground facilities every 2 years to PURA and each municipality located within its service territory. Included shall be age and condition of facilities, major repairs made, replacement plans, new construction plans.	Connecticut General Statutes, Title 16, Public Service Companies	<a href="#">Section 16-358</a> Underground gas facilities report Requirements
3. <b>Enhanced Reporting</b>	Part 192.605	Changes or Revisions to Operations plans, policies, procedures or standards	PURA Order	Docket No. 09-09-08 (only most recent docket shown)
4. <b>Enhanced Reporting</b>	192.605(b)(9)	Monthly company safety index report	PURA Order	Docket No. 09-09-08 (only most recent





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
5. <b>Enhanced Reporting</b>	Part 192.614	Monthly Third Party Excavation Inspections	PURA Order	docket shown) Docket No. 09-09-08 (only most recent docket shown)
6. <b>Enhanced Reporting</b>	Part 192.614 Part 192.1007(e)	Monthly reporting of third party damage statistics	PURA Orders	Docket Nos. 09-09-08 and 10-12-02 (only most recent dockets shown)
7. <b>Enhanced Reporting</b>	Part 192.615	Emergency plans must be filed with PURA, Department of Emergency Management and Homeland Security and each municipality located within the service area of the public service company.	Connecticut General Statutes, Title 16, Public Service Companies	<a href="#">Section 16-32(e)</a> Emergency plans to be filed by public service companies, telecommunications companies and municipal utilities
8. <b>Enhanced Reporting</b>	Part 192.723	Monthly Leak Survey Progress Report	PURA Order	Docket No. 09-09-08 (only most recent docket shown)
9. <b>Enhanced Reporting</b>	Part 192.739	Monthly Regulator Station Inspection Progress Report	PURA Order	Docket No. 09-09-08 (only most recent docket shown)
10. <b>Enhanced Reporting</b>	Part 192.747	Monthly Emergency Valve Maintenance Progress Report	PURA Order	Docket No. 09-09-08 (only most recent docket shown)
11. <b>Enhanced Reporting</b>	Part 192.1007(e)	Monthly reporting of the number of outstanding Grade 2 and Grade 3 leaks	PURA Orders	Docket Nos. 09-09-08 and 10-12-02 (only most recent dockets shown)
12. <b>Enhanced Reporting</b>	Part 192.1007(e)	Monthly reporting of expenditures on cast iron and bare steel replacement programs	PURA Order	Docket No. 09-09-08 (only most recent docket shown)
13. <b>Enhanced Reporting</b>	Part 192.1007(e)	Semi-annual reporting of expenditures on cast iron and bare steel replacement programs	PURA Orders	Docket Nos. 09-09-08 and 10-12-02 (only most recent dockets shown)
14. <b>Enhanced Reporting</b>	Part 192.1007(e)	Monthly Grade 1, 2 & 3 Leaks Report	PURA Order	Docket No. 09-09-08 (only most recent docket shown)
15. <b>Enhanced Reporting</b>	Part 192.1007(e)	Gas companies must report details of all Grade 1 and Grade 2 leaks on a monthly	Regulations of Connecticut State Agencies	<a href="#">Section 16-11-12©</a> Gas leaks





# Connecticut

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		basis.		
16. Enhanced Reporting	Part 192.801	Annual Aging Workforce Succession Plan	PURA Order	Docket No. 09-09-08 (only most recent docket shown)
17. Enhanced Reporting	Part 190.203	Gas companies shall furnish to PURA, at such times and in such form as PURA may require, the results of any required tests and summaries of any required records. Gas companies shall also furnish PURA with any information concerning the gas company's facilities or operations which PURA may request and need for determining rates or judging the practices of the gas company.	Regulations of Connecticut State Agencies	<a href="#">Section 16-11-47</a> Reports to commission
18. Enhanced Reporting	Part 191.22	Public Service Companies must obtain PURA approval prior to any mergers.	Connecticut General Statutes, Title 16, Public Service Companies	<a href="#">Section 16-43</a> Merger or sale of public service companies.  <a href="#">Section 16-47</a> Holding companies. Approval of department re exercise of control
19. Enhanced Reporting	Part 191.22	Public Service Companies must obtain PURA approval prior to selling, leasing, assigning, mortgaging, or otherwise disposing of any essential part of its franchise, plant, equipment or other property necessary or useful in the performance of its	Connecticut General Statutes, Title 16, Public Service Companies	<a href="#">Section 16-43</a> Merger or sale of public service companies





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		duty to the public.		
20. More Direct Oversight	Part 191.22	Notification of certain types of construction projects, modifications, pressure tests and daily crew locations	PURA Letter	(only most recent letter shown)
21. More Direct Oversight	Part 192.305	Monthly Company Inspections of Company Contractors	PURA Order	Docket No. 09-09-08 (only most recent docket shown)
22. More Direct Oversight	Part 192.305 Part 192.605(b)(8)	Monthly Company Inspections of Company Crews	PURA Order	Docket No. 09-09-08 (only most recent docket shown)
23. Operating Pressure	Part 192.739	Monthly inspections of District regulator stations is required of operators.	Regulations of Connecticut State Agencies	<a href="#">Section 16-11-40(a)(3)</a> Regulator stations
24. Damage Prevention	Part 192.614	Substantial additional damage prevention regulations	Connecticut General Statutes, Title 16, Public Service Companies and Regulations of Connecticut State Agencies	<a href="#">Sections 16-345 through 16-359</a> Excavation, Demolition or Discharge of Explosives <a href="#">Sections 16-345-1 through 16-345-9</a> Excavation Near Underground Utility Facilities
25. Damage Prevention	Part 192.614	Warning tape required	Regulations of Connecticut State Agencies	<a href="#">Section 16-345-3(f)</a> Excavation Near Underground Utility Facilities
26. Damage Prevention	Part 192.614 Part 192.1007(e)	Monthly reporting of all third party damages and all violations of the underground damage prevention program	Regulations of Connecticut State Agencies	<a href="#">Sections 16-345-3(a)(3) and 16-345-(a)(4)</a> Excavation Near Underground Utility Facilities
27. Meter Location/Protection	Part 192.353	Gas meters shall be installed as near as practicable to the building.	Regulations of Connecticut State Agencies	<a href="#">Section 16-11-22©</a> Meter location
28. Meter Location/Protection	Part 191.3	No master meter systems can be created without PURA Approval	PURA Decision	Docket No. 06-09-01
29. Odorant	Part 192.625	Gas companies shall	Regulations of	<a href="#">Section 16-11-17</a>





# Connecticut

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		furnish monthly odorant reports to PURA	Connecticut State Agencies	Gas Companies Operating Within the State of Connecticut
<b>30. Response to Leaks</b>	Part 192.615	Gas odor complaint response times of 30 minutes during normal work hours and 45 minutes at all other times, including monthly reporting of response times	PURA Orders	Docket Nos. 09-09-08 and 10-12-02 (only most recent dockets shown)
<b>31. Response to Leaks</b>	Part 192.703	Maximum number of Class 2 leaks at the end of each calendar year	PURA Orders	Docket Nos. 09-09-08 and 10-12-02 (only most recent dockets shown)
<b>32. Replacement Programs</b>	Part 192.487 Part 192.489 Part 192.755 Part 192.1007	Target expenditure levels for cast iron and bare steel replacement programs	PURA Orders	Docket Nos. 08-12-06, 08-12-07 and 10-12-02 (only most recent dockets shown)
<b>33. Authority Beyond OPS (not rate)</b>	Part 190.203 Part 190.233	Authority to order reasonable improvements, repairs or alterations in such plant or equipment, or such changes in the manner of operation, as may be reasonably necessary in the public interest.	Connecticut General Statutes, Title 16, Public Service Companies	<a href="#">Section 16-11</a>
<b>34. Authority Beyond OPS</b>	None	GPSU participates in all rate cases	Connecticut General Statutes, Title 16, Public Service Companies	<a href="#">Section 16-19</a>
<b>35. Authority Beyond OPS (not rate)</b>	Part 190.221	Authority to assess civil penalties for failure to comply with any statute, regulation or department order (this is over and above our authority to assess civil penalties for failure to comply with the federal pipeline safety regulations).	Connecticut General Statutes, Title 16, Public Service Companies	<a href="#">Section 16-41</a> Imposition of civil penalties by the department
<b>36. Authority</b>	Part 190.213	Ability to terminate	Regulations of	<a href="#">Section 16-3-</a>





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Beyond OPS (not rate)</b>		service due to hazardous condition on customer piping (Red Tag Policy).	Connecticut State Agencies	<a href="#">100(b)(1)</a> Termination of Electric, Gas, Water, & Sewage Utility Service
<b>37. Authority Beyond OPS (not rate)</b>	Part 192.3	Gas companies are required to test customer piping for gas leaks at time of turn on.	Regulations of Connecticut State Agencies	<a href="#">Section 16-11-31(b)</a> Gas Companies operating within the State of CT
<b>38. Authority Beyond OPS (not rate)</b>	Part 192.53	A gas company shall refuse goods or services provided by an affiliate or other provider if the gas company determines that such goods or services are inferior, overpriced or would be detrimental to its ability to operate and maintain a safe gas system	Regulations of Connecticut State Agencies	<a href="#">Section 16-47a-2(a)(2)</a> Gas Code of Conduct
<b>39. Design/Install Requirements</b>	Part 192.721	All service pressure regulators installed on the customer's premises shall be maintained in proper working order and shall be periodically inspected in place, preferably at the time of removal of the meter for periodic testing. The inspection shall consist of external examination of the regulator, its piping, seal, vent line and operating condition.	Regulations of Connecticut State Agencies	<a href="#">Section 16-11-41(a)(3)</a> Gas Companies Operating Within the State of Connecticut
<b>40. Design/Install Requirements</b>	Part 192.51 Part 192.53 Part 192.55 Part 192.59	Use of materials other than steel must be approved by PURA and at pressures over 100 psi, only steel is allowed.	Regulations of Connecticut State Agencies	<a href="#">Section 16-11-42(b)</a> Gas system construction and maintenance
<b>41. Design/Install</b>	Part 192.181(b)	District regulator	Regulations of	<a href="#">Section 16-11-40(d)</a>





# Connecticut

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Requirements</b>		station inlet shutoff valves must be located at certain distances from the station.	Connecticut State Agencies	Regulator stations
<b>42. Design/Install Requirements</b>	Part 192.197	Any customer's service being supplied through a customer service pressure regulator shall be protected by a suitable safety device to prevent the development of pressures in excess of two pounds per square inch gauge.	Regulations of Connecticut State Agencies	<a href="#">Section 16-11-41(a)(1)</a> Service
<b>43. Design/Install Requirements</b>	Part 192.325	A minimum of 12 inches of clearance is required at crossings of other utilities and no common trenches.	Regulations of Connecticut State Agencies	<a href="#">Section 16-11-42(i)</a> Gas system construction and maintenance
<b>44. Enhanced Record Keeping</b>	Part 192.727	Utilities must maintain records of all abandoned underground facilities	Regulations of Connecticut State Agencies	<a href="#">Section 16-345-3(a)(8)</a> Responsibilities of public utilities
<b>45. State Inspection Program</b>	Part 190.203	Ability to hire outside consultants, as necessary. Affected company required to pay for all of the expenses.	Connecticut General Statutes, Title 16, Public Service Companies	<a href="#">Section 16-8</a> Examination of witnesses and documents. Hearing examiners. Management audits
<b>46. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits.	None	Inspection Forms and Frequency Operator Inspections





## Delaware

<b>Key Stats</b>	
State Agency	Department of State
Division	Public Service Commission
Department	
Web	<a href="http://depsec.delaware.gov/naturalgas.shtml">http://depsec.delaware.gov/naturalgas.shtml</a>
Regulated Intrastate Pipeline Systems	3
Regulated Master Meter Operators	10
Regulated LNG Systems	1
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	13
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	4

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Response to Leaks</b>	Part 192.723	Operators shall establish a Leak Classification and Action Criteria. Records must provide certain information and the steps taken in response to the leaks.	Delaware Administrative Code, Title 26 Public Utilities Commission, Gas Regulations § 8001 Rules to Establish an Intrastate Gas Pipeline Safety Program	2.6 Regulations
2. <b>Design/Install Requirements</b>	Part 192.53	No cast iron pipe 4” and smaller shall be installed in any pipeline facilities after 10/1/09	Delaware Administrative Code, Title 26 Public Utilities Commission, Gas Regulations § 8001 Rules to Establish an Intrastate Gas Pipeline Safety Program	2.7 Regulations
3. <b>Enhanced Record Keeping</b>	Part 192.723	Records of gas leak surveys shall be maintained for 7 years (minimum)	Delaware Administrative Code, Title 26 Public Utilities Commission, Gas Regulations § 8001 Rules to Establish an Intrastate Gas Pipeline Safety Program	2.5 Regulations





# Delaware

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
4. State Inspection Program	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	State Program Procedures

*National Association of Pipeline Safety Representatives*





## District of Columbia

### Key Stats

State Agency	District of Columbia Public Service Commission
Division	Office of Deputy Executive Director for Regulatory Matters
Department	Office of Engineering and Pipeline Safety
Web	<a href="http://www.dcpsc.org/pipelinesafety/pipelinesafety.asp">http://www.dcpsc.org/pipelinesafety/pipelinesafety.asp</a>
Regulated Intrastate Pipeline Systems	1
Regulated Master Meter Operators	0
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	19

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3	Requires Incident Reports at \$5K level	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2306.2 Incident Reports And Safety-Related Condition Reports
2. <b>Enhanced Reporting</b>	Part 191.3	Requires Incident Notification within one hour	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2306.6 Incident Reports And Safety-Related Condition Reports
3. <b>Enhanced Reporting</b>	Part 192.603	Requires Annual filing of O&M Plans with Commission	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2307.1 Operation And Maintenance Plans
4. <b>Enhanced Reporting</b>	Part 192.615	Requires providing contact list for emergencies with Commission	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2308.1 Emergency Plans
5. <b>Enhanced Reporting</b>	Part 190.209 Part 191.7	A gas corporation or small gas operator shall respond within fifteen	District of Columbia Municipal Regulations, Title 15 Public Utilities	2310.8 Investigations, Inspections,





# District of Columbia

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		(15) business days after receipt of a specific information request relating to a possible complaint, probable violation of gas safety regulation or gas incident report;	and Cable Television, Chapter 23, Natural Gas	Specific Information Requests, And Warning Letters
<b>6. More Direct Oversight</b>	Part 192.605	Each gas corporation or small gas operator shall maintain at each job site all documentation of plastic pipe joining permits, all Operator Qualifications, up-to-date manuals and copies of procedures required to do the work.	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2305.2 Pipeline Location
<b>7. More Direct Oversight</b>	Part 192.305	Each gas corporation or small gas operator shall provide adequate supervision for its construction crews	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2305.2 Pipeline Location
<b>8. Operating Pressure</b>	Part 192.359	Tinned steel case meters shall be subjected to an internal pressure of at least two pounds (2 lb.) per square inch gauge (psig) when testing for leaks. Iron or aluminum case meters shall be tested at a pressure at least fifty percent (50%) above operating pressure	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2362.2 2362.3 Leak Tests
<b>9. Operating Pressure</b>	Part 192.201	The gas supplied by any gas corporation shall be maintained at a pressure of not less than six inches (6 in.) or more than ten inches (10 in.) of water pressure. The daily variation in the low pressure network system, during any day	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2377.1 2377.2 Pressure Of Gas Supplied To Consumers





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		at any gauge station, shall not exceed two and one-half inches (2 1/2 in.) of water pressure.		
<b>10. Damage Prevention</b>	Part 192.614	When the open trenching method of pipeline construction is used, suitable identification tape shall be installed at a minimum of twelve inches (12 in.) above the top of the pipe and at least six inches (6 in.) below the final grade after completion of installation.	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2305.2 Pipeline Location
<b>11. Leak Tests</b>	Part 192.723	Place of public assembly must be leak surveyed annually using Hydrogen Flame Ionization (HFI) or Combustible Gas Indicator (CGI) or other comparable methods.	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2305.1 Safety
<b>12. Leak Tests</b>	Part 192.723	Entire distribution system must be leak surveyed not less than once every three (3) years	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2305.1 Safety
<b>13. Leak Tests</b>	Part 192.723	Leakage tests by HFI or by CGI and bar hole or other comparable approved method shall be conducted within the immediate area of each new, repaired or replaced gas line after backfilling and after a reasonable period of gas pressurizing when the line is being placed into service	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2305.1 Safety
<b>14. Authority Beyond OPS</b>	Part 190.203	In the event of an emergency or safety hazard, the Commission	District of Columbia Municipal Regulations, Title 15 Public Utilities	2320.2 Small Gas Operator





# District of Columbia

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		shall take either of the following actions: Order service to the small gas operator interrupted; or Order the hazard remedied at the operator's expense.	and Cable Television, Chapter 23, Natural Gas	
<b>15. Extending LDC Responsibility</b>	Part 192.616	A gas corporation shall provide notice to each customer at least twice annually, informing the customer of the hazards of leaking gas and instructing the customer in the procedures to be followed in reporting gas leaks. A sample odor indicator shall be included in the twice annual notice.	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2304.1 Public Awareness
<b>16. Cathodic Protection</b>	Part 192.483	Whenever a steel pipe or tubing is used in the attachment of a service line to a cast iron main, it shall be protected against external corrosion using an anode and test station, except in the case of a malleable fittings on a fitting when use of an anode only is sufficient	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2305.1 Safety
<b>17. Enhanced Record Keeping</b>	Part 192.491	Leak Survey Records must be kept for life of the pipeline including location and date of leaks detected, severity of each leak; action taken to repair leaks;	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2305.1 Safety
<b>18. Inactive Services</b>	Part 192.727	When any meter is inactive, whether installed in service or not, for a period of two (2) years or longer, it shall be tested, and adjusted if necessary, before being placed in	District of Columbia Municipal Regulations, Title 15 Public Utilities and Cable Television, Chapter 23, Natural Gas	2351 General Gas Metering Provisions





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
19. State Inspection Program	None	service again More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

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# Florida

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## Florida

### Key Stats

State Agency	Public Service Commission
Division	Division of Engineering - Bureau of Safety
Department	Safety and Reliability
Web	<a href="http://www.Floridapsc.com">www.Floridapsc.com</a>
Regulated Intrastate Pipeline Systems	94
Regulated Master Meter Operators	8
Regulated LNG Systems	0
Regulated LPG Operators	0
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	50

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.22	Written Notice shall be given to the Commission at least 15 days prior to the start of all major construction or alteration of pipeline facilities, stating the size, approximate location and contemplated time of construction. Notice is required when the pipeline involved is both at least 2 inches in diameter as well as 2,000 feet or more in length	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.082 Construction Notice
2. <b>Enhanced Reporting</b>	Part 191.3	Incidents reported at \$10K threshold for property damage	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.084 (1) Notice of Accidents and Outages.
3. <b>Enhanced Reporting</b>	Part 191.3	Requires reporting of service interruptions of either 10 percent	Natural Gas Safety Rules of the Florida Public Service	25-12.084 (3) Notice of Accidents and





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		or more of its meters or 500 or more meters	Commission, Chapter 25-12	Outages.
4. Enhanced Reporting	Part 192.605	Requirement write and follow construction specifications for new construction, reconstruction or conversions	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.008 (1) New, Reconstructed or Converted Facilities 25-12.020 (1) Construction Specifications and Inspections.
5. More Direct Oversight	Part 192.3	Stricter Definition for Distribution System”, “Low Pressure Distribution System”, “Master Meter System”	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.004 Definitions
6. More Direct Oversight	Part 192.14	Conversion procedure required from non regulated to regulated	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.008 (2) New, Reconstructed or Converted Facilities
7. More Direct Oversight	Part 192.305	Contractor may not inspect own construction and installation of pipeline	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.030 (2) Construction Inspection
8. Valves	Part 192.181	Sets valve criteria for size of area, volume, pressure, population factors	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.022 (2) Requirements for Distribution System Valves
9. Valves	Part 192.179	Blowdown Valve requirements apply to mains <b>not just transmission pipeline</b>	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.022 (4) Requirements for Distribution System Valves
10. Valves	Part 192.747	Accessibility is required of all Distribution line valves	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.022 (5) Requirements for Distribution System Valves
11. Valves	Part 192.379	A valve on the service line must be either locked in the closed position or the service line plugged	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.044 Interruption of Gas Service





# Florida

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		to prevent the flow of gas when the gas is interrupted intentionally or unintentionally.		
<b>12. Pressure Testing</b>	Part 191.3	Requires Uprating Procedure to be approved 15 days prior to notice	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.083 Requalifying Maximum Allowable Operating Pressure
<b>13. Damage Prevention</b>	Part 192.321	Tracer wire must be coated ( <b>no other means</b> )	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.021 (3) Use of Plastic Pipe
<b>14. Operator Qualification</b>	Part 192.801	Qualified Inspectors required for New Construction	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.020 (2) and (3) Construction Specifications and Inspections.
<b>15. Meter Location/Protection</b>	Part 191.3	Master Meters not allowed after Jan 1 1987	Gas Service by Gas Public Utilities Rules of the Florida Public Service Commission, Chapter 25-7.071	25-7.071 Measuring Customer Service
<b>16. Odorant</b>	Part 192.625	Any operator who receives gas directly from a transmission supplier and distributes gas in any system that serves more than 25 customers must odorize all gas transported	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.055 Odorization of Gas.
<b>17. Odorant</b>	Part 192.625	Odorant shall be sampled 12 times per year at intervals less than 45 days	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.055 Odorization of Gas.
<b>18. Leak Tests</b>	Part 192.615	A device capable of detecting the presence of gas shall be used to test the area of the reported leak to determine if a leak actually exists	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.042 Investigation of Gas Leak Reports.





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
19. Response to Leak	Part 192.723	Leak Classification system Requirements and Repair Times specified	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.040 Leak Surveys, Procedures and Classification
20. Response to Leak	Part 192.615	Requires 24/7 Dispatch for Emergencies	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.041 Receiving of Gas Leak and Emergency Reports
21. Authority Beyond OPS	Part 190.203	Operator has fifteen days to respond in writing to Staff inquiries	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.0861 Response to Commission Staff Inquiries.
22. Authority Beyond OPS	Part 192.3	Customer Gas Piping must be tested prior to operator providing gas service	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.043 Gas Service
23. External/Internal Corrosion	Part 192.463	Each operator must take remedial action within three (3) months to correct or make substantial progress toward correction of any deficiencies indicated by monitoring	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.052 (6) Criteria for Cathodic Protection of Buried or Submerged Steel, Cast Iron, and Ductile Iron Pipeline.
24. Cathodic Protection	Part 192.463	Appendix D – Cannot use E-log-I curve as method for criteria	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.052 (1) Criteria for Cathodic Protection of Buried or Submerged Steel, Cast Iron, and Ductile Iron Pipeline.
25. Cathodic Protection	Part 192.463	Appendix D I-A(1) shall be the only criterion acceptable for determination of the degree of cathodic protection of externally coated buried or coated submerged pipelines installed after June 1,	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.052 (2) Criteria for Cathodic Protection of Buried or Submerged Steel, Cast Iron, and Ductile Iron Pipeline.





# Florida

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		1975		
<b>26. Cathodic Protection</b>	Part 192.463	Appendix D – Application of Criterion I-A(2) shall be dependent upon the establishment of initial or unprotected pipe/soil potentials	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.052 (3) Criteria for Cathodic Protection of Buried or Submerged Steel, Cast Iron, and Ductile Iron Pipeline.
<b>27. Cathodic Protection</b>	Part 192.463	Appendix D – Application of Criterion I-A(5) is restricted to bare and essentially bare ineffectively coated metallic gas pipelines installed prior to July 31, 1971	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.052 (4) Criteria for Cathodic Protection of Buried or Submerged Steel, Cast Iron, and Ductile Iron Pipeline.
<b>28. Cathodic Protection</b>	Part 192.463	If gas leakage results from active corrosion of a pipeline, remedial action shall include application of cathodic protection to meet one of the criteria of this rule, as described in subsection (1), unless the pipeline is replaced with non-metallic pipe. Cathodic protection for these remedial applications must be tested at least once every calendar year, but with intervals not exceeding 15 months, to determine whether the cathodic protection meets the requirements of this rule.	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.052 (5) Criteria for Cathodic Protection of Buried or Submerged Steel, Cast Iron, and Ductile Iron Pipeline.
<b>29. Cathodic Protection</b>	Part 192.465	The electrical survey requirement as referred to in Subpart I, Part 192, Title 49,	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter	25-12.053 (1) Cathodic Protection – Electrical Survey.





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		CFR and these rules are intended to utilize the following surveys: (a) Pipe/Soil potential survey. (b) Soil resistivity survey.	25-12	
<b>30. Cathodic Protection</b>	Part 192.465	2)(a) A combination of the two surveys in (1) above is required on the initial electrical survey	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.053 (2) Cathodic Protection – Electrical Survey.
<b>31. Cathodic Protection</b>	Part 192.465	When areas of active corrosion have been established and the operator does not have adequate knowledge of electric current requirements for the system, then current requirement tests shall be made to determine the degree of protective current required for cathodic protection.	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.053 (3) Cathodic Protection – Electrical Survey
<b>32. Cathodic Protection</b>	Part 192.465	An electrical survey of an underground pipeline system may be considered impractical when obstructions such as concrete, asphalt, or other surface structures, lie in a position directly above the pipeline	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.053 (4) Cathodic Protection – Electrical Survey.
<b>33. Cathodic Protection</b>	Part 192.465	The placement of the reference half-cell in the immediate vicinity of galvanic anodes shall not be acceptable for electrical measurement used to determine the	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.054 Cathodic Protection – Location of Reference Half-Cell.





# Florida

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		adequacy of cathodic protection.		
34. Design/Install Requirement	Part 192.281	Thermoset Plastics require protection from external damage	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.021 (2) Use of Plastic Pipe
35. Design/Install Requirement	Part 192.181	Upstream Valve must be 500 feet or less at a district regulator station	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.022 (1) Requirements for Distribution System Valves.
36. Design/Install Requirements	Part 192.361f	No portion of an operator's gas pipeline shall be installed under a portion of building, nor a building over a gas pipeline	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.024 Prohibition of Pipelines Under Buildings
37. Design/Install Requirements	Part 192.227	Welders must use API 1104 ( <b>not ASME</b> )	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.027 (1) Welder Qualification
38. Design/Install Requirements	Part 192.323	Casings prohibited on metallic pipelines	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.029 Limiting Use of Pipeline Casings.
39. Design/Install Requirements	Part 192.243	NDT or DT required at 2 locations every 5000 feet and segments greater than 2 inch diameter	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.030 (3) Construction Inspectio
40. Design/Install Requirement	Part 192.357	Gas service line valves at multi-service installations shall be plainly marked by a metal tag or other permanent means designating the building or part of the building being served	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.050 Facility Identification
41. Design/Install Requirement	Part 192.707	Each customer meter, gas regulating	Natural Gas Safety Rules of the Florida	25-12.050 Facility





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		station, or any aboveground gas transporting facility shall be permanently marked to identify the operator's name and phone number	Public Service Commission, Chapter 25-12	Identification
<b>42. Enhanced Record Keeping</b>	Part 192.243 f	Maintain Welding Records for the life of the pipeline for welder name, inspector name,	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.030 (4) Construction Inspectio
<b>43. Enhanced Record Keeping</b>	Part 192.615	All Critical Valves must be identified on Maps and Records as well as tagged in field	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.022 (3) Requirements for Distribution System Valves
<b>44. Enhanced Record Keeping</b>	Part 190.203	All records must be kept within the State of Florida	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.060 (2) General Records
<b>45. Enhanced Record Keeping</b>	Part 192.517	Lifetime record retention for strength testing	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.060 (3a) General Records
<b>46. Enhanced Record Keeping</b>	Part 192.723 Part 192.479 Part 192.491 Part 192.625 Part 192.739 Part 192.747	At least 2 cycles of intervals required for inspections or surveys for record retention	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.060 (3b) General Records
<b>47. Enhanced Record Keeping</b>	Part 192.605	System maps of each local operating area shall be prepared and on file in the operating company's respective local office. Such maps and related records shall readily identify the location and size of all system facilities and other information pertinent to the safe design of the system. These	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.061 System Maps.





# Florida

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		records shall be kept up to date.		
<b>48. Enhanced Record Keeping</b>	Part 192.723	Records of gas leaks on the operator's system shall show as a minimum: (1) Address of suspected leak. (2) Date and time leak reported. (3) Description of leak reported. (4) Date and time operator personnel dispatched. (5) Date and time operator personnel arrived. (6) Date and time condition made safe. (7) Location of leak found. (8) Cause of leak	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.062 Leak Reports
<b>49. Inactive Services</b>	Part 192.727	Inactive services must be retired after specified time frame.	Natural Gas Safety Rules of the Florida Public Service Commission, Chapter 25-12	25-12.045 Inactive Gas Service Lines
<b>50. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

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## Georgia

<b>Key Stats</b>	
State Agency	Georgia Public Service Commission
Division	Facility Protection Unit
Department	Pipeline Safety Division
Web	<a href="http://www.psc.state.ga.us/facilitiesprotect/fp_pipesafe/fp_pipesafe.asp">http://www.psc.state.ga.us/facilitiesprotect/fp_pipesafe/fp_pipesafe.asp</a>
Regulated Intrastate Pipeline Systems	96/85municipals/2 private/9 transmission
Regulated Master Meter Operators	140
Regulated LNG Systems	4
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	2
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	13

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3 Part 191.9	Requires concurrent telephonic notification to Pipeline Safety Staff when notifying the NRC.	Rules of the Georgia Public Service Commission, Chapter 515-9 Safe Installation and Operation of Natural Gas Transmission and Distribution Systems: Sub Chapter 1: Safe Installation And Operation Of Natural Gas Transmission And Distribution Systems	<a href="#">515-9-1-.06</a> Incident Notification
2. <b>Enhanced Reporting</b>	Part 191.3 Part 191.9	In addition to reporting to federal government, Requires a written report to be filed with the Pipeline Safety Office within 30 days following a reportable incident.	Rules of the Georgia Public Service Commission, Chapter 515-9 Safe Installation and Operation of Natural Gas Transmission and Distribution Systems: Sub Chapter 1: Safe Installation And Operation Of Natural Gas Transmission And Distribution Systems	<a href="#">515-9-1-.06</a> Incident Notification
3. <b>Enhanced</b>	Part 192 305	Requires reporting of	Rules of the Georgia	<a href="#">515-9-1-.04</a>





# Georgia

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Reporting</b>		(A) any transmission or distribution gas main line or (B) any gas service line where the actual, planned or proposed replacement, relocation, construction, expansion or extension or such service line would be within 2,000 feet of the gas main or service lines of another gas operator 10 days prior to the beginning of construction	Public Service Commission, Chapter 515-9-1, <a href="#">Safe Installation and Operation of Natural Gas Transmission and Distribution Systems</a> , Sub-Chapter 515-9-1-.04 Notification of Proposed Construction.	Notification of Proposed Construction
<b>4. More Direct Oversight</b>	Part 191.3 Part 191.9	Requires Operators to evaluate their respective natural gas systems and provide written guidance for their personnel in the Operator's Operations & Maintenance and/or Emergency Procedural Manuals as to what constitutes a "significant event" for their natural gas system which would require telephonic notification.	Rules of the Georgia Public Service Commission, Chapter 515-9 Safe Installation and Operation of Natural Gas Transmission and Distribution Systems: Sub Chapter 1: Safe Installation And Operation Of Natural Gas Transmission And Distribution Systems	<a href="#">515-9-1-.06</a> Incident Notification
<b>5. Response to Leaks</b>	Part 192.703(c)	Establishes criteria for the grading of leaks, the actions required by each grade, and the time frame for repair	Rules of the Georgia Public Service Commission, Chapter 515-9 Safe Installation and Operation of Natural Gas Transmission and Distribution Systems Sub Chapter 1: Safe Installation And Operation Of Natural Gas Transmission And Distribution Systems	<a href="#">515-9-1-.05</a> Leak Standards
<b>6. Replacement Program</b>	Part 192.489	Requires Cast Iron/BS mains and services Accelerated	Georgia Public Service Commission Order July 1998, Docket No	





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		Replacement Program with Rate Adder	8516-U	
7. <b>Damage Prevention</b>	Part 192.614(b)	Requires that all Owners and/or Operators of a buried utility facility in Georgia shall be a member of the State-wide Utilities Protection Center. <b>[Pipeline Operators do not have the option of having a written plan and being part of a different state one call center or inhouse call center]</b> Also Requires that all Owners and/or Operators of a buried utility facility in Georgia shall comply in all respects of the Georgia Utility Facility Protection Act	Rules of the Georgia Public Service Commission, Chapter 515-9 Safe Installation and Operation of Natural Gas Transmission and Distribution Systems: Sub Chapter 3: Enforcement Procedures Governing Gas Pipeline Safety  Official Code of Georgia Annotated (O.C.G.A). Title 25 – Fire Protection and Safety, Chapter 9 Blasting or Excavation near Utility Facilities	<a href="#">515-9-3-.14</a> Utilities Protection Center  <a href="#">515-9-3-.15</a> Damage Prevention  § 25-9-5. Cooperation with UPC; permanent markers for water and sewer facilities; point of contact list
8. <b>Damage Prevention</b>	Part 192.614(b)	Establishes standards for the marking and designation of buried facilities and the requirements for “white lining” proposed excavations	Rules of the Georgia Public Service Commission, Chapter 515-9 Safe Installation and Operation of Natural Gas Transmission and Distribution Systems: Sub Chapter 3 Enforcement Procedures Governing Gas Pipeline Safety	<a href="#">515-9-3-.14</a> Utilities Protection Center
9. <b>Damage Prevention</b>	Part 192.614 Part 192.617	Specifies that reasonable care shall also include but not be limited to compliance with the Common Ground Alliance Best Practices as well as the accurate location and marking of facilities in accordance with	Rules of the Georgia Public Service Commission, Chapter 515-9 Safe Installation and Operation of Natural Gas Transmission and Distribution Systems: Sub Chapter 6: Commission	<a href="#">515-9-6-.01</a> Requirement to Use Reasonable Care and Commission Recognized Best Practices





# Georgia

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		O.C.G.A. § 25-9-9(a) and the American Public Works Association (“APWA”) color code in place at the time the location of the utility facility is designated. (O.C.G.A. § 25-9-7(a)(2)) / Specifies that “Evidence of the implementation and utilization of the Common Ground Alliance Best Practices by a facility owner and/or operator or a locator or an excavator at a hearing as prescribed by O.C.G.A. § 25-9-13(h)(7) shall be considered in the Commission’s analysis of reasonable care.” During the investigation of failures	Recognized Best Practices	
<b>10. Training/Quals (not including OQ)</b>	Part 192.615(a)	Requires that each and every entity under the jurisdiction of the Commission establish procedures that its employees and agents shall follow in the event that a utility facility is damaged when blasting or excavating activities are performed.	Rules of the Georgia Public Service Commission, Chapter 515-9 Safe Installation and Operation of Natural Gas Transmission and Distribution Systems: Sub Chapter 5: Procedures Required Under The Georgia Utility Facility Protection Act	<a href="#">515-9-5-.01</a> Emergency Procedures
<b>11. Authority Beyond OPS</b>	Part 192.614 Part 192.616	This rule establishes the requirements for marketers and poolers of deregulated gas operators to assist in the distribution of Public Awareness	Public Service Commission, Chapter 515-9 Safe Installation and Operation of Natural Gas Transmission and Distribution Systems:	<a href="#">515-9-8-.01</a> Purpose





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		materials required to customers by the code.	Sub Chapter 8: Natural Gas Pipeline Safety And Public Awareness Program	
<b>12. Extending LDC Responsibility</b>	Part 192.615(c)	Requires that in counties where there is more than one operator, that they conduct their requirements under 192.615 jointly.	Public Service Commission, Chapter 515-9 Safe Installation and Operation of Natural Gas Transmission and Distribution Systems: Sub Chapter 7: Gas Safety In Georgia Counties	<a href="#">515-9-7-.02</a> Minimum Procedures for Handling Areas of Natural Gas Emergencies Occurring on the Facilities of Another Operator.
<b>13. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

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# Hawaii

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## Hawaii

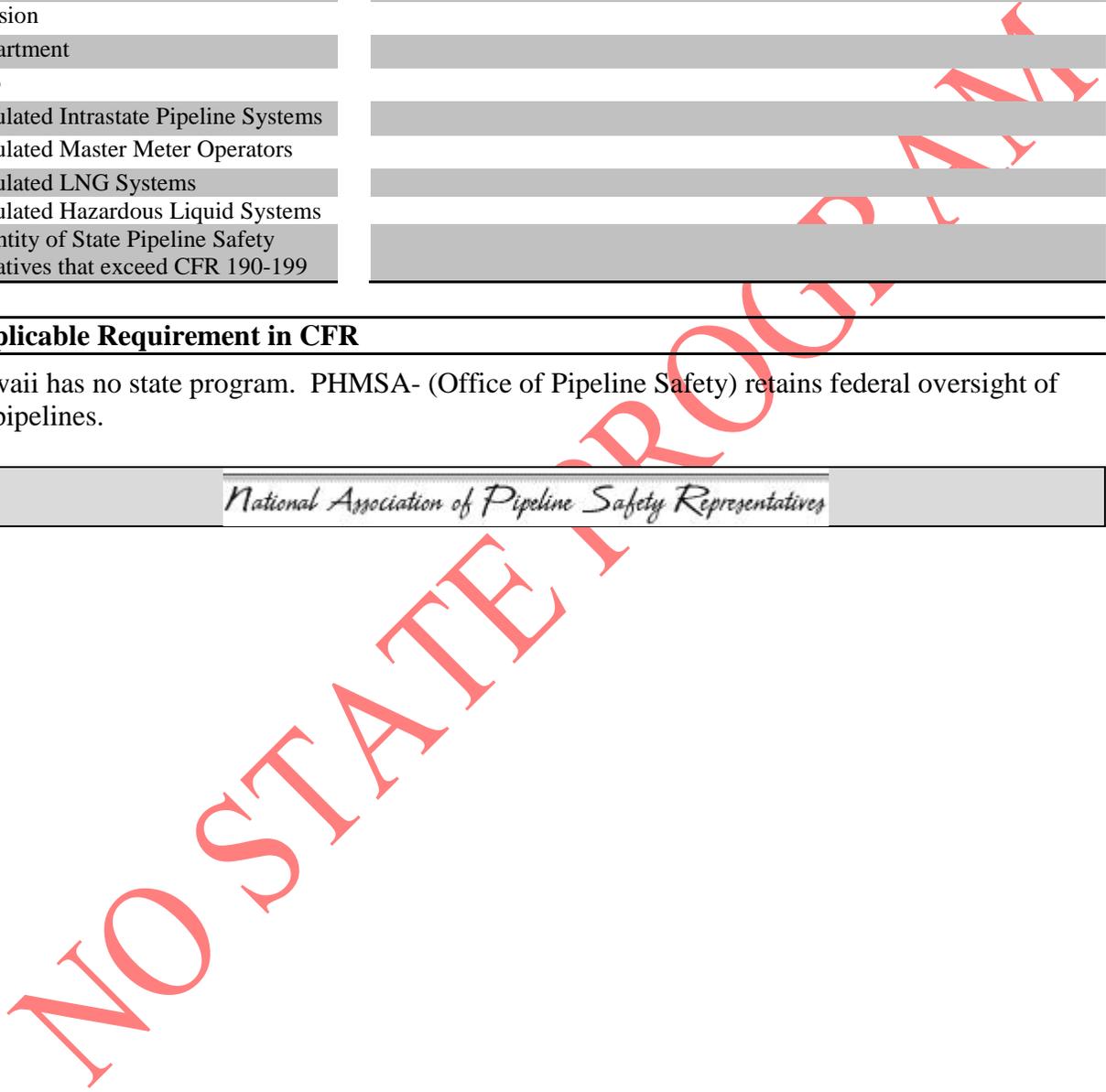
### Key Stats

State Agency
Division
Department
Web
Regulated Intrastate Pipeline Systems
Regulated Master Meter Operators
Regulated LNG Systems
Regulated Hazardous Liquid Systems
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199


### Applicable Requirement in CFR

Hawaii has no state program. PHMSA- (Office of Pipeline Safety) retains federal oversight of all pipelines.

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## Idaho

<b>Key Stats</b>	
State Agency	Idaho Public Utilities Commission
Division	Administration
Department	Pipeline Safety
Web	<a href="http://www.puc.idaho.gov/safety/safety.html">http://www.puc.idaho.gov/safety/safety.html</a>
Regulated Intrastate Pipeline Systems	5 (3 Intrastate Natural Gas Distribution Operators, 2 with Intrastate Transmission Lines)
Regulated Master Meter Operators	0
Regulated LNG Systems	1
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	6

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>1. Enhanced Reporting</b>	Part 191.3	Requires Reporting for all serious damages and serious service interruptions	Idaho Administrative Code , for Public Utilities Commission (Agency 31) IDAPA 31.11.01 Safety and Accident Rules for Utilities Regulated by the IPUC	Rule 301.03 Major Service Interruptions or Damage to Natural Gas Pipelines
<b>2. Extending LDC Responsibility</b>	Part 192.357	The gas company shall inspect the customers installation before the connection of a meter to ascertain the installation conforms to the provisions of the NFPA Fuel Gas Code (NFPA 54) and Uniform Mechanical Code as adopted by the Commission. If the installation on the customer’s premises does not meet these requirements, the Company shall refuse to connect the meter and shall advise the	Idaho Administrative Code , for Public Utilities Commission (Agency 31) IDAPA 31.31.01 Gas Service Rules Rule – Construction, Operation and Maintenance of Facilities for Transmission and Distribution of Gas	Rule102 Inspection of Customers Facilities





# Idaho

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		customer in writing the reasons for such refusal.		
3. <b>Enhanced Record Keeping</b>	Part 192.605	Requires Maps, plans and records to contain size, character, location, drip, street valve, district regulator & service connection served to be kept at the principal office and divisional offices within district.	Idaho Administrative Code , for Public Utilities Commission (Agency 31) IDAPA 31.31.01 Gas Service Rules- Construction, Operation and Maintenance of Facilities for Transmission and Distribution of Gas	Rule 101.01 Maps of Facilities
4. <b>Enhanced Record Keeping</b>	Part 192.605	Each division or district office shall have available information about the distribution system that will enable the local representatives at all times to furnish necessary information regarding rendering of service to existing and prospective customers.	Idaho Administrative Code , for Public Utilities Commission (Agency 31) IDAPA 31.31.01 Gas Service Rules- Construction, Operation and Maintenance of Facilities for Transmission and Distribution of Gas	Rule 101.02 Maps of Facilities
5. <b>Enhanced Record Keeping</b>	Part 192.605	Each gas manufacturing or mixing plant, compressor station and storage facility shall be provided with an accurate ground plan drawn to a suitable scale, showing the entire layout of the plant or station, the location, size, and character of plant, equipment, major pipelines, connections, valves, and other facilities used for the production and delivery of gas, all properly identified.	Idaho Administrative Code , for Public Utilities Commission (Agency 31) IDAPA 31.31.01 Gas Service Rules- Construction, Operation and Maintenance of Facilities for Transmission and Distribution of Gas	Rule 101.03 Maps of Facilities
6. <b>State</b>	Part 190.203	More Frequent	None	Inspection Forms





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Inspection Program</b>		Inspections/Contacts and Detailed Audits		and Frequency Operator Inspections

*National Association of Pipeline Safety Representatives*





## Illinois

### Key Stats

State Agency
Division
Department
Web
Regulated Intrastate Pipeline Systems
Regulated Master Meter operators
Regulated LNG Systems
Regulated Hazardous Liquid Systems
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199

Illinois Commerce Commission
Safety and Reliability
Pipeline Safety Program
<a href="http://www.icc.illinois.gov/pipelinesafety/">http://www.icc.illinois.gov/pipelinesafety/</a>
121
12
1
0
12

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 192.605	Requires the operator to file the inspection and maintenance plan with the Commission.	Illinois Compiled Statutes, Chapter 220 Utilities, Subchapter 20 Illinois Gas Pipeline Safety Act, Section 5 (220 ILCS 20/5)	220 ILCS 20/5
2. <b>Enhanced Reporting</b>	Part 191.3	Commission must be notified if major interruption will extend more than 12 hours. An interruption is considered if system pressures drop more than 1.5 in w.c.	Title 83: Public Utilities , Chapter I: Illinois Commerce Commission Subchapter D: Gas Utilities ,Part 500 Standards Of Service For Gas Utilities	Section 500.160 Interruptions Of Service
3. <b>Operating Pressure</b>	Part 192.623	The pressure of gas supplied as measured at the outlet of any customer’s meter, shall not be less than two inches nor more than 12 inches of water pressure except where greater pressure is specified and provided for in the contract between the utility and the customer	Title 83: Public Utilities Chapter I: Illinois Commerce Commission Subchapter D: Gas Utilities Part 500 Standards Of Service For Gas Utilities	Section 500.260 Pressure Regulation





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
4. <b>Training/Qualifications</b>	Part 192.801	Requires each natural gas system operator to develop training procedures which will assure that its field employees engaged in construction, operation, inspection and maintenance of the gas system are properly trained.	Title 83: Public Utilities , Chapter I: Illinois Commerce Commission Subchapter D: Gas Utilities ,Part 520 Training Programs for Natural Gas Operating Personnel	Section 520.10 Training Procedures
5. <b>Meter Location/Protection</b>	Part 192.353 Part 192.355	Meters shall be located on the customer's premises as near as practical to the point of entrance of gas service into customer's building or utilization area.	Title 83: Public Utilities, Chapter I: Illinois Commerce Commission Subchapter D: Gas Utilities ,Part 500 Standards Of Service For Gas Utilities	Section 500.170 Location Of Service Meters
6. <b>Meter Location/Protection</b>	Part 192.353 Part 192.355	Meter location shall be accessible and provide reasonable protection for the meter from accidental damage or hazardous operation.	Title 83: Public Utilities, Chapter I: Illinois Commerce Commission Subchapter D: Gas Utilities ,Part 500 Standards Of Service For Gas Utilities	Section 500.170 Location Of Service Meters
7. <b>Meter Location/Protection</b>	Part 192.353 Part 192.355	Meters shall not be installed in sleeping rooms, small unventilated areas or in locations where the installation, reading and removal of the meter may prove difficult or hazardous. Out-of-doors meters may not be installed in front of a residential dwelling except with the consent of the customer.	Title 83: Public Utilities, Chapter I: Illinois Commerce Commission Subchapter D: Gas Utilities ,Part 500 Standards Of Service For Gas Utilities	Section 500.170 Location Of Service Meters
8. <b>Leak Tests</b>	Part 192.357	At the time of installation each meter shall be checked for proper mechanical condition and suitability of location.	Title 83: Public Utilities Chapter I: Illinois Commerce Commission Subchapter D: Gas Utilities Part 500	Section 500.170 Location of Service Meters





# Illinois

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		Service pipes and meter connections shall be tested for leaks and general fitness. The utility may refuse to install a meter or to serve a customer if, in its judgment, the customer's installation of piping or gas-burning equipment is hazardous	Standards Of Service For Gas Utilities	
<b>9. Replacement Program</b>	Part 192.367	Service Pipes replaced because of low pressure or water in system shall be at least 1 inch diameter and installed in manner to prevent freezing	Title 83: Public Utilities Chapter I: Illinois Commerce Commission Subchapter D: Gas Utilities, Part 500 Standards Of Service For Gas Utilities	Section 500.340 Maintenance And Replacement Of Service Pipes
<b>10. Extended LDC Responsibility</b>	Part 192.361 Part 192.371 Part 192.375 Part 192.723 Part 192.614 Subpart I	"Pipeline facilities" also includes new and existing pipes and lines and any other equipment, facility, or structure, except customer-owned branch lines connected to the primary fuel lines, used to convey gas from a gas main to the outside wall of residential premises, and any person who provides gas service directly to its residential customer through these facilities shall be deemed to operate such pipeline facilities for purposes of this Act irrespective of the ownership of the facilities or the location of the facilities with respect to the meter, except	Illinois Compiled Statutes, Chapter 220 Utilities, Subchapter 20 Illinois Gas Pipeline Safety Act Section 2 (220 ILCS 20/2.04)	220 ILCS 20/2.04 Pipeline Facilities





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		that a person who provides gas service to a “master meter system”, as that term is defined at 49 C.F.R. Section 191.3, shall not be deemed to operate any facilities downstream of the master meter.		
11. <b>Extending LDC Responsibility</b>	Part 192.3	“Transportation of gas” also includes the conveyance of gas from a gas main through the primary fuel line to the outside wall of residential premises. If the gas meter is placed within 3 feet of the structure, the utility’s responsibility shall end at the outlet side of the meter.	Illinois Compiled Statutes, Chapter 220 Utilities, Subchapter 20 Illinois Gas Pipeline Safety Act, Section 2 (220 ILCS 20/2.03)	(220 ILCS 20/2.03) Transportation of Gas
12. <b>State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

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# Indiana

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## Indiana

### Key Stats

State Agency	Indiana Utility Regulatory Commission
Division	Pipeline Safety Division
Department	
Web	<a href="http://www.in.gov/iurc/2335.htm">http://www.in.gov/iurc/2335.htm</a>
Regulated Intrastate Pipeline Systems	48 operators, 111 inspection units
Regulated Master Meter Operators	42 operators, 90 inspection units
Regulated LNG Systems	4 separate plants owned by 2 operators
Regulated Hazardous Liquid Systems	1
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	22

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.25	Safety Related Condition Reports required to be sent to the Pipeline Safety Division	Indiana Administrative Code Title 170 Indiana Utility Regulatory Commission , Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3-4 Reports to the division
2. <b>Enhanced Reporting</b>	Part 191.11	Master meter operators required to submit annual reports to the Pipeline Safety Division for leak surveys and results, cathodic protection surveys and results, valve inspections and results	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3-4 Reports to the division
3. <b>Enhanced Reporting</b>	Part 192.603	O&M Procedures required to be sent to the Pipeline Safety Division	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5	170 IAC 5-3-2 Federal regulations; revision





				Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	
<b>4.</b>	<b>Enhanced Reporting</b>	Part 192.615	Emergency Response Procedures required to be sent to the Pipeline Safety Division	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3-2 Federal regulations; revision
<b>5.</b>	<b>Enhanced Reporting</b>	Part 191.3	Unintentional Interruptions of greater than 100 customers requires telephonic notification to the Pipeline Safety Division	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3-4 (d) Reports to the division
<b>6.</b>	<b>Enhanced Reporting</b>	Part 191.27	Written report must be filed upon request of IURC	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3
<b>7.</b>	<b>Enhanced Reporting</b>	Part 191.22	Specific requirements for reporting capital projects to IURC including transmission projects, any cast iron bare steel replacement, gas, distribution centers	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the	170 IAC 5-3 4(e) Reports to the division





# Indiana

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			<p>serving more than 1,000 customers, any haz liquid project, any CO2 project, any replacement project involving 12 city blocks or 250 services and greater</p>	<p>Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities</p>	
<b>8. Valves</b>	Part 192.365	Service shut-off valve criteria – must have valve outside structure	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3-2 (3) Federal regulations; revision	
<b>9. Pressure Testing</b>	Part 192.503	No pressure testing against a live valve (pressurized gas supply on other side of valve)	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3-2 (5) Federal regulations; revision	
<b>10. Damage Prevention</b>	Part 192.614	IURC now has enforcement authority in some cases of excavation damage to a pipeline	Indiana Code Title 8 Utilities & Transportation, Article 1 Utilities Generally, Chapter 26 Damage to Underground Utilities	IC 8-1-26-25 Penalties under IC 8-1-22.5 for pipeline operators	
<b>11. Meter Location / Protection</b>	Part 192.355 Advisory Bulletins ADB 11-02 (FR 7238) ADB 97-01 ADB 93-01 ADB 08-03 (FR 12796)	Customer meters must be protected from snow, ice damage	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3-2 (2) Federal regulations; revision	
<b>12. Leak Tests</b>	Part 192.723	Annual leak surveys for high occupancy	Indiana Administrative Code, Title 170 Indiana	170 IAC 5-3-2 (12)	





		buildings	Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	Federal regulations; revision
<b>13. Leak Tests</b>	Part 192.357	Residential customer piping must be pressure tight at time of startup or turn on	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3-2 (2) Federal regulations; revision
<b>14. Response to Leaks</b>	Part 192.723	Leak response requirements are specified to determine what is acceptable	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3-2 (12) Federal regulations; revision
<b>15. Response to Leaks</b>	Part 192.723	Classification requirements for discovered or reported leaks	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3-2 (12) Federal regulations; revision
<b>16. Replacement Programs</b>	Part 192.487 Part 192.489	Cast iron / bare steel replacement program under rate relief	IURC Order Cause No 43298 dated February 13, 2008	IURC Cause No. 43298
<b>17. Replacement Programs</b>	Part 192.487 Part 192.489	29 private, municipal distribution operators		



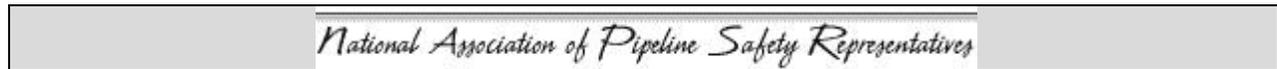


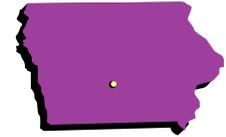
# Indiana

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have replaced all bare steel and cast iron pipe in their systems

<b>18. Authority Beyond OPS</b>	Part 190.213	Authority to order change in public interest	Indiana Code Title 8 Utilities & Transportation, Article 1 Utilities Generally, Chapter 22.5 Gas Pipeline Safety	IC 8-1-22.5-Powers and Duties
<b>19. Extending LDC Responsibility</b>	Part 192.723	Maintenance responsibility for some buried customer service lines	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3-2 (12) Federal regulations; revision
<b>20. Enhanced Record Keeping</b>	Part 192.603	Detailed mapping requirements are specified including: Main, sizes, materials, pressures, emergency valve locations, rectifiers, regulator stations, critical bonds	Indiana Administrative Code, Title 170 Indiana Utility Regulatory Commission, Article 5 Gas Utilities, Rule 3 Minimum Safety Standards for the Transportation of Gas, Hazardous Liquids, Carbon Dioxide Fluids, and Related Pipeline Facilities	170 IAC 5-3-2 (10) Federal regulations; revision
<b>21. State Inspection Programs</b>	Part 190.203	Inspections focused on risk	Certification	Division Inspection Plan
<b>22. State Inspection Programs</b>	Part 190.203	More frequent inspections / contact	Certification	Division Inspection Plan





## Iowa

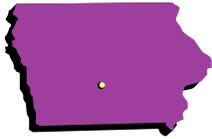
### Key Stats

State Agency	Iowa Utilities Board
Division	
Department	Safety & Engineering
Web	<a href="http://www.state.ia.us/iub/energy/index.html">http://www.state.ia.us/iub/energy/index.html</a>
Regulated Intrastate Pipeline Systems	110 (Operators with both transmission and distribution systems are counted in both categories as required in PHMSA Certification Attachment 1.)
Regulated Master Meter Operators	0
Regulated LNG Systems	1
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	13

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3	Requires incident reports for \$15K property damage	Iowa Administrative Code, Title 199 Utilities Division Chapter 19 Gas Utilities	199 IAC 19.17(1)b Incident Notification and Reports
2. <b>Enhanced Reporting</b>	Part 191.3	Requires reports for loss of service of 50 customers or more	Iowa Administrative Code, Title 199 Utilities Division Chapter 19 Gas Utilities	199 IAC 19.17(1)d Incident Notification and Reports
3. <b>More Direct Oversight</b>	Part 192.605	Requires that if an operator opts to not disconnect service at a premise where there is no customer responsible for payment, that operator's O&M Plan must describe procedures ensuring that the gas can safely remain turned on.	State of Iowa, Department of Commerce, Utilities Board August 1, 2003	Order Concluding Investigation  Ordering clause #1
4. <b>Meter Location/Protection</b>	Part 191.3	Master Meters not allowed with few	Iowa Administrative Code, Title 199	199 IAC-19.3(476) General Service



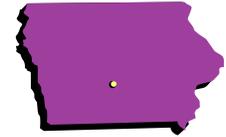


# Iowa

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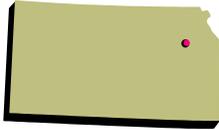
Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		exceptions	Utilities Division Chapter 19 Gas Utilities	Requirements 19.3(1) Disposition of gas
5. Odorant	Part 192.625	Requires prompt remedial action if odor readings are below minimum requirement	Iowa Administrative Code, Title 199 Utilities Division Chapter 19 Gas Utilities e	199 IAC 19.8(5) Safety
6. Leak Tests	Part 192.605	No flow test at meter required when turning on gas service to customer	Iowa Administrative Code, Title 199 Utilities Division Chapter 19 Gas Utilities e	199 IAC 19.8(3) Safety
7. Response To Leaks	Part 192.615	A report of a gas leak must be treated as an emergency requiring immediate response and written into O&M Plan	Iowa Administrative Code, Title 199 Utilities Division Chapter 19 Gas Utilities e	199 IAC 19.8(4) Safety
8. Response to Leaks	Part 192.615	Gas leak reports must be responded to within one hour	Order	Enforcement action for unacceptable response times
9. Replacement Program	Part 192.703(b)	All Century plastic pipe – known to have become dangerously brittle – to be removed/ replaced.	State of Iowa, Department of Commerce, Utilities Board Feb 15, 2000 Order Terminating Reporting Requirements Docket #INU-95-2	Item 2 Investigation following incident with multiple fatalities
10. Design/Install Requirements	Part 192.327	48” of cover in tilled agricultural land	Iowa Administrative Code, Title 199 Utilities Division Chapter 10 Intrastate Gas and Underground Storage	199 IAC 10.12(3) Standards for Construction, Operation and Maintenance
11. Design/Install Requirements	Part 192.361	Requires 12” separation between buried gas and electric service lines	Iowa Administrative Code, Title 199 Utilities Division Chapter 19 Gas Utilities e	199 IAC 19.8(6) Safety
12. Design/Install Requirements	Part 192.319	Requires agricultural land and drainage be restored after pipeline construction	Iowa Administrative Code, Title 199 Utilities Division Chapter 9 Restoration of Agricultural Lands	199 IAC 9.1 – 9.7 Multiple sections





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			during and after Pipeline Construction	
13. <b>State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections
<i>National Association of Pipeline Safety Representatives</i>				





# Kansas

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## Kansas

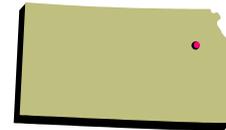
### Key Stats

State Agency	Kansas Corporation Commission
Division	Division of Utilities
Department	Pipeline Safety Section
Web	<a href="http://www.kcc.state.ks.us/pipeline/index.htm">http://www.kcc.state.ks.us/pipeline/index.htm</a>
Regulated Intrastate Pipeline Systems	119 (includes 7 Gathering/40 Transmission/56 Municipal/16 Private)
Regulated Master Meter Operators	11
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	52

### Applicable Requirement in CFR

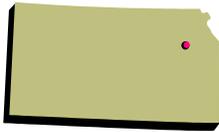
Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 192.603	Requires Annual filing of O&M Plans with Commission	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(w) Minimum Pipeline Safety Standards
2. <b>Enhanced Reporting</b>	Part 192.615	Requires Annual filing of Emergency Plans with Commission	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(w) 82-11-4-(y) Minimum Pipeline Safety Standards
3. <b>Enhanced Reporting</b>	Part 192.614 Part 191.3	Requires monthly filing of damage resulting from 3 <sup>rd</sup> party excavation with Commission	KS Administrative Regulations, Agency 82, KCC, Article 82-14 The Kansas Underground Utility Damage Prevention Act	82-14-3 (m) Operator Requirements
4. <b>Enhanced Reporting</b>	Part 192.614 Part 191.3	Requires the operator to notify the KCC within 30 minutes of all excavation damages called in by excavator	KCC Order Feb 20 2013 D# 13-DPAX-250-GIV	Paragraphs, 4, 5, 6 of Order
5. <b>Enhanced Reporting</b>	Part 192.305	Requires Annual Report of Project Additions, Extensions, Improvements to Capital of Gas Utility	Kansas Statutes Annotated (KSA) Chapter 66 Public Utilities, Article 21: Rural Kansas Self-Help Gas Act, Statutes	KSA 66-2103 Existing gas service utility to develop plans to provide gas; failure to provide or





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
6. Enhanced Reporting	Part 191.11	Annual report of remaining miles of cast iron <b>by diameter</b>	66 -2101 through 66-2106 KCC Order Sept 13 2012 D# 12-KGSG-721-TAR	nonacceptance of plan Paragraph 30 of Order Infrastructure Replacement Tracking
7. Enhanced Reporting	Part 191.11	Annual report of leaks discovered on cast iron <b>by diameter</b>	KCC Order Sept 13 2012 D# 12-KGSG-721-TAR	Paragraph 30 of Order Infrastructure Replacement Tracking
8. More Direct Oversight	Part 192 305	Requires 10 day advance notice of construction activities > 500 ft for small operators and >1, 000 ft for large operators for Commission inspections	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-7-(d) Construction Notices
9. More Direct Oversight	Part 192 305	Requires small operators to provide notice if consultants are used for routine maintenance activities	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-7-© Small Gas Operators
10. More Direct Oversight	Part 192 305	Requires inspection of outside construction crews (quality assurance control)	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(x) Minimum Pipeline Safety Standards
11. Pressure Testing	Part 192.509	Requires Steel Mains that operate > 1psig to be tested to minimum of 100 psig (not 90 psig)	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (p) Minimum Pipeline Safety Standards
12. Pressure Testing	Part 192.553	Requires Uprating of MAOP to be checked with FI unit within 8 hours of each interval	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (v) Minimum Pipeline Safety Standards
13. Damage Prevention	Part 192.614 Part 190.221	States Commission Pipeline Safety Division is enforcement authority for all underground damage prevention rules of KS	KS Administrative Regulations, Agency 82, KCC, Article 82-14 Kansas Underground Utility Damage Prevention Act	82-14-6 Enforcement Procedures
14. Damage	Part 192.614	Embedded throughout	KS Administrative	82-14-1



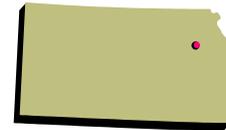


# Kansas

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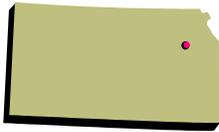
Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Prevention</b>		the Commission rules for underground utility damage prevention are standards that simulate many CGA Best Practices	Regulations, Agency 82, KCC, Article 82-14 The Kansas Underground Utility Damage Prevention Act	82-14-2 82-14-3 82-14-4 82-14-5 82-14-6 (Multiple Section Titles)
<b>15. Training/Qualifications</b>	Part 192.801	Requires Operator Training if Vegetation Surveying as a method of Leak Surveying	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (dd) Minimum Pipeline Safety Standards
<b>16. Odorant</b>	Part 192.625	All Service Calls to perform sniff test if entering a building	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (aa) Minimum Pipeline Safety Standards
<b>17. Odorant</b>	Part 192.625	Requires Monthly Sampling (not periodic)	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (aa) Minimum Pipeline Safety Standards
<b>18. Odorant</b>	Part 192.625	Requires Odorant to be injected at concentration of 0.5 to 1.25 pound per million cf. and requires the use of an odorometer for farm tap installations off unodorized transmission pipelines	KCC Order Aug 06 1999 D# OO-PNTG-086MIS	Paragraph 5 of Order
<b>19. Leak Tests</b>	Part 192.723	Requires continuous sampling technology	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (dd) Minimum Pipeline Safety Standards
<b>20. Leak Tests</b>	Part 192.723	Leak Surveys on Mains Frequency is annually (not 3 years) For non business areas and unprotected steel in class 2,3,4	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (dd) Minimum Pipeline Safety Standards
<b>21. Leak Tests</b>	Part 192.723	Leak Surveys on Mains Frequency is 3 years (not 5 years) For non	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas	82-11-4 (dd) Minimum Pipeline Safety Standards





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		business areas and unprotected steel in class 1 or cast iron or PVC	Pipeline Safety	
22. Leak Tests	Part 192.723	Leak Surveys on Services. Frequency is annually (not 3 years) For non business areas and protected bare steel	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (dd) Minimum Pipeline Safety Standards
23. Leak Tests	Part 192.723	Leak Surveys on Services Frequency is 3 years (not 5 years) For non business areas and unprotected steel in class 1 or cast iron or PVC	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (dd) Minimum Pipeline Safety Standards
24. Leak Tests	Part 192.723	Requires weekly leak monitoring during frost conditions (winter)	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (aa) Minimum Pipeline Safety Standards
25. Leak Tests	Part 192.721	Requires distribution mains/feeders to be patrolled at specified intervals for areas where no anticipated movement or external loading	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (y) 82-11-4 (cc) Minimum Pipeline Safety Standards
26. Leak Tests	Part 192.723	Requires annual leak surveys of all cast iron piping ( <b>not just within business districts</b> )	KCC Order Feb 8 2013 D# 12-KGSG-490-GIG	Condition A of Order
27. Response to Leaks	Part 192.723	Leak Classification System and Required timeline for Repairs	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (y) 82-11-4 (bb) Minimum Pipeline Safety Standards
28. Response to Leaks	Part 192.615	Response Times to Leaks/Odor Complaints within 2 hours including classification	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (bb) Minimum Pipeline Safety Standards
			KCC Order Oct 16, 1997 D#97-WSRG-486-MER	Stipulation Section 18



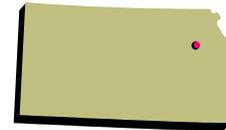


# Kansas

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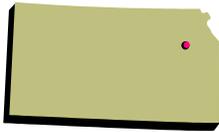
Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>29. Replacement Program</b>	Part 192.755	Collect a coupon each time cast iron piping is leaking from the body of a pipe joint. Conduct laboratory analysis on all coupons to determine the percentage of graphitization; Replace at least one city block (approximately 500 feet) within 120 days of the operator's knowledge of the laboratory test results, each time the results show graphitization equal to or greater than set values based on diameter of the pipe; Retain all sampling records for the life of the facility, but not less than five years.	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(ee)(6) Minimum Pipeline Safety Standards
<b>30. Replacement Program</b>	Part 192.755	Requires replacement of Cast Iron by 2013 for pipe less than 3 inches in diameter	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(ee) (6) Minimum Pipeline Safety Standards
<b>31. Replacement Program</b>	Part 192.489	Requires entire distribution system to be replaced by 2007	KCC Order Aug 30 2007 D# 06-LYOP-641-SHO	Stipulation 5.c Stipulation 5.d
<b>32. Replacement Program</b>	Part 192.487	Requires Bare Steel Services Replacement Program within 18 months if areas of system contain existing leaks +repaired leaks + replaced service lines due to corrosion leaks =25% of quantity of unprotected bare steel services	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(i) Minimum Pipeline Safety Standards
<b>33. Replacement Program</b>	Part 192.623	Requires Operator Remediation of Valid Pressure Complaints (too low/too high)	KCC Order April 6,2007, D# 06-ATMG-945-COM	Addressed insufficient supply of gas customer complaint resulting





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
34. Replacement Program	Part 192.3	Replacing customer-owned yard lines and private lines from master meters; (repiped over 200 mobile home parks	KCC Order January 2, 2001, D# 01-KGSG-429-ACT	in low pressure \$10 million Plan for Rectification of Customer-Owned Gas Distribution Systems of Mobile Home Courts
35. Authority Beyond OPS	None	Pipeline Safety Division Routinely Participates with Gas Division on Rate Cases and files Witness Testimony	KS Administrative Regulations, Agency 82, KCC, Article 82-01 Rules of Practice and Procedure	82-01-204 (q) Definitions
36. Extending LDC Responsibility	Part 192.703	Requires all operators to provide maintenance of buried piping between meter and building wall.	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-8-(a) –(f) Customer Installations Location and Monitoring Responsibility
37. Cathodic Protection	Part 192.469	All unprotected bare steel service lines must have close interval survey conducted	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (i) Minimum Pipeline Safety Standards
38. Cathodic Protection	Part 192.455	Eliminates exceptions for non corrosive environments and requires all new steel to be installed with cathodic protection	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (k) Minimum Pipeline Safety Standards
39. Cathodic Protection	Part 192.465	Short sections <100 feet or cathodically protected services must be cathodically tested within 3 year period ( <b>not 10 year period</b> )	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (i) 82-11-4 (m) Minimum Pipeline Safety Standards
40. Cathodic Protection	Part 192.465	Limits prompt response for correcting cathodic protection deficiencies found during electrical tests to less than 30 days	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (n) Minimum Pipeline Safety Standards
41. Cathodic Protection	Part 192.465	Limits areas impractical to electrical survey to only: Wall to wall pavement; Pipelines in	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (p) Minimum Pipeline Safety Standards



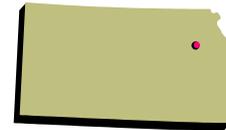


# Kansas

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		common trench with other utilities, areas of stray current; paved areas using a perimeter 2 feet less than actual		
<b>42. Design/Install Requirements</b>	Part 192.317	Above ground transmission pipeline is prohibited for new installations and for existing class 2,3,4 locations	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (g) 82-11-4 (h) Minimum Pipeline Safety Standards
<b>43. Risk Based Approach</b>	Part 192.1007	Requires Annual Evaluation of Threats/Risks	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(i) Minimum Pipeline Safety Standards
<b>44. Enhanced Record Keeping</b>	Part 192.605	Requires GIS mapping of all gas steel mains that are parallel to and overlie sanitary sewer mains.	KCC Order April 6,2007, D# 12-GIMG-584-GIP	Conditon A of Order referencing Consent Decree section 22 (e)
<b>45. Enhanced Record Keeping</b>	Part 192.743	Requires regulator and relief valve capacity and calculations for all over pressure devices regardless of testing, or ownership or operations	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(x) Minimum Pipeline Safety Standards
<b>46. Enhanced Record Keeping</b>	Part 192.723	Requires leaks survey records to be kept a minimum of 6 years	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(dd) Minimum Pipeline Safety Standards
<b>47. Enhanced Record Keeping</b>	Part 192.625	Requires odorometer and sniff test records to be kept a minimum of 2 years	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(aa) Minimum Pipeline Safety Standards
<b>48. Enhanced Record Keeping</b>	Part 192.491	Requires records and maps of corrosion control systems and cathodic protection facilities	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(q) Minimum Pipeline Safety Standards





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>49. Enhanced Record Keeping</b>	Part 192.617	Leaks are defined as failures and require investigation of each leak and record of each failure (leak)	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4 (z) Minimum Pipeline Safety Standards
<b>50. Enhanced Record Keeping</b>	Part 192.517	Requires test date and description of facilities tested for establishing strength test	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(t) Minimum Pipeline Safety Standards
<b>51. Enhanced Record Keeping</b>	Part 192.517	Requires all test records to be kept for the life of the pipeline for <b>all</b> pipelines	KS Administrative Regulations, Agency 82, KCC, Article 82-11 Natural Gas Pipeline Safety	82-11-4-(u) Minimum Pipeline Safety Standards
<b>52. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

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# Kentucky

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## Kentucky

### Key Stats

State Agency	Kentucky Public Service Commission
Division	Energy and Environment Cabinet/Engineering Division
Department	Gas Pipeline Safety Branch
Web	<a href="http://www.psc.ky.gov/home/pipelinesafety">http://www.psc.ky.gov/home/pipelinesafety</a>
Regulated Intrastate Pipeline Systems	112
Regulated Master Meter Operators	107
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	19

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3	Requires Incident Reports at \$25K level	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Pipeline Safety; Report of Leaks	807 KAR 5:027 Section 3(d) Telephonic Notice of Certain Incidents
2. <b>Enhanced Reporting</b>	Part 191.3	Requires reporting of outages to 40 or more customer for 4 hours or more	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Pipeline Safety; Report of Leaks	807 KAR 5:027 Section 3(e) Telephonic Notice of Certain Incidents
3. <b>Enhanced Reporting</b>	Part 191.3	Requires reporting of taking any segment of pipeline or main out of service (except when planned or routine	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet	807 KAR 5:027 Section 3(b) Telephonic Notice of Certain Incidents





			maintenance)	Public Service Commission, Chapter 5 Utilities, Gas Pipeline Safety; Report of Leaks	
<b>4.</b>	<b>Enhanced Reporting</b>	Part 191.3	Requires reporting of incident that results in gas ignition (except when planned or routine maintenance)	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Pipeline Safety; Report of Leaks	807 KAR 5:027 Section 3(c) Telephonic Notice of Certain Incidents
<b>5.</b>	<b>Enhanced Reporting</b>	Part 191.3	Requires reporting of loss of a sizable amount of gas	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Pipeline Safety; Report of Leaks	807 KAR 5:027 Section 3(f) Telephonic Notice of Certain Incidents
<b>6.</b>	<b>Enhanced Reporting</b>	Part 191.3	Requires utility to keep a complete record of all interruptions, utility must notify commission of major interruptions as soon as utility is aware, and utility must complete a report once restoration of service is complete.	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Safety and Service	807 KAR 5:022 Section 13 Operations Subsection (16) Continuity of Service
<b>7.</b>	<b>Enhanced Reporting</b>	Part 191.1	Allows no more than a trace of hydrogen sulfide in gas supplied to customers, does not allow for any impurities in gas which may cause excessive corrosion or harmful fumes when burned, requires testing for the presence of hydrogen sulfide (when necessary) as well as properly recording and filing the results, requires	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Safety and Service	807 KAR 5:022 Section 15 Purity of Gas





# Kentucky

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			manufactured and mixed gas to be tested at least once each month		
8.	<b>More Direct Oversight</b>	Part 192.305	Requires 30 day advance notice of construction activities subjected to pressure in excess of 100 psig (or 20% SYMS)	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Safety and Service	807 KAR 5:022 Section 7(3)(a) General Construction Requirements for Transmission Lines and Mains
9.	<b>More Direct Oversight</b>	Part 192.305	Requires report to be filed with commission certifying maximum pressure as well as construction and testing. Must also file within 60 days results of all tests made.	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Safety and Service	807 KAR 5:022 Section 7(3)(b) General Construction Requirements for Transmission Lines and Mains
10.	<b>Operating Pressure</b>	Part 192.623	Requires gas pressures to be maintained +/- 50% at the outlet of meter to provide safe an efficient utilization of gas	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Safety and Service	807 KAR 5:022 Section 13 Operations Subsection (15) Allowable variations of standard service pressure
11.	<b>Operating Pressure</b>	Part 192.621	Requires all utilities to adopt and maintain a standard pressure	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Safety and Service	807 KAR 5:022 Section 13 Operations Subsection (14) Standard Pressure
12.	<b>Odorant</b>	Part 192.625(f)	Specifies sampling intervals (separately odorized systems w/10 or fewer customers shall be sampled at least once each 95 days, systems w/more than 10 customers shall be sampled at least once each week	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Safety and Service	807 KAR 5:022 Section 13 Operations Subsection (17)(g)(3) and (4) Odorization of Gas





<b>13. Response to Leaks</b>	Part 192.723	Leaks detected shall be graded 1, 2, or 3.	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Safety and Services	807 KAR 5:022 Section 14 Maintenance Subsection (13) Distribution Systems Leakage Surveys and Procedures
<b>14. External/Internal Corrosion</b>	Part 192.605(b)(10)	Each utility having a pipe-type or bottle-type holder shall establish a plan for systematic, routine inspection and testing of these facilities	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Safety and Services	807 KAR 5:022 Section 14 Maintenance Subsection (20) Pipe-type and bottle-type holders: plan for inspection and testing
<b>15. Design/Install Requirements</b>	Part 192.731	Each utility shall establish starting, operating, and shutdown procedures for gas compressor units	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Safety and Services	807 KAR 5:022 Section 14 Maintenance Subsection (16) Compressor Stations: procedures for gas compressor units
<b>16. Design/ Install Requirements</b>	Part 192.731	Each utility shall establish procedures for maintaining compressor stations, including provision for isolating units or sections of pipe and for purging before returning to service	Kentucky Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Safety and Services	807 KAR 5:022 Section 14 Maintenance Subsection (18) Compressor Stations: isolation of equipment for maintenance or alterations
<b>17. Design/Install Requirements</b>	Part 192.197	Construction and installation of farm taps shall conform to such standards of safety, location, and convenience as may be prescribed by the commission and shall be under the supervision of the PSC	Kentucky Revised Statutes Chapter 278 Oil and Gas Pipelines Section 485	KRS 278.485(3) Gas pipeline company to furnish gas – When – Rates – Duty of person applying for gas service and gas pipeline company – Abandonment of gas wells – Discontinuance of service – Right to tap a gathering line
<b>18. Enhanced</b>	Part 192.605	Prescribes minimum	Kentucky	807 KAR 5:022





# Kentucky

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<b>Record Keeping</b>	requirements for measurement of gas, accuracy of measuring instruments (meters), meter testing facilities, and periodic testing of meters.	Administrative Regulations, Title 807 Energy and Environmental Cabinet Public Service Commission, Chapter 5 Utilities, Gas Safety and Service	Section 8. Gas Measurement	
<b>19. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

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## Louisiana

### Key Stats

State Agency
Division
Department
Web
Regulated Intrastate Pipeline Systems
Regulated Master Meter Operators
Regulated LNG Systems
Regulated Hazardous Liquid Systems
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199

Louisiana Department of Natural Resources
Office of Conservation / Pipeline Division
Pipeline Safety Section
<a href="http://dnr.louisiana.gov/index.cfm?md=pagebuilder&amp;tmp=home&amp;pid=144">http://dnr.louisiana.gov/index.cfm?md=pagebuilder&amp;tmp=home&amp;pid=144</a>
219 Operators
99 Operators
0 Operators
54 Operators
8

### Applicable Requirement in CFR

	Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1.	<b>Enhanced Reporting</b>	Part 191.5(a)	Telephonic report within 2 hours of discovery	Louisiana Administrative Code Title 43 Natural Resources, Part XIII, Office of Conservation Pipeline Safety, Subpart 2 Transportation of Natural Gas and Other Gas by Pipeline, Chapter 3 Annual Reports, Incident Reports and Safety Related Condition Reports	§305.A Telephonic Notice of Certain Incidents
2.	<b>Enhanced Reporting</b>	Part 195.52(a)	Telephonic report within 2 hours of discovery for hazardous liquids	Louisiana Administrative Code Title 33 Environmental Quality, Part V Hazardous Waste and Hazardous Materials Chapter 301	§30127.A
3.	<b>Enhanced Reporting</b>	Part 191.22©	Construction of 1-mile or greater; 48-hour prior to construction	Louisiana Administrative Code Title 43 Natural Resources, Part XIII, Office of	§1705. B Inspection: General





# Louisiana

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
				Conservation Pipeline Safety, Subpart 2 Transportation of Natural Gas and Other Gas by Pipeline, Chapter 17 General Construction Requirements for Transmission Lines and Mains
<b>4. Enhanced Reporting</b>	Part 195.64(c)	Hazardous Liquid Construction of any length; 7-days prior to construction	Louisiana Administrative Code Title 33 Environmental Quality, Part V Hazardous Waste and Hazardous Materials Chapter 302	§30204.B
<b>5. Odorant</b>	Part 192.625(e)	Odorizer and test point requirements	Louisiana Administrative Code Title 43 Natural Resources, Part XIII, Office of Conservation Pipeline Safety, Subpart 2 Transportation of Natural Gas and Other Gas by Pipeline, Chapter 27. Operations	§2725. H Odorization of Gas
<b>6. Odorant</b>	Part 192.625(f)	Quarterly sampling and records	Louisiana Administrative Code Title 43 Natural Resources, Part XIII, Office of Conservation Pipeline Safety, Subpart 2 Transportation of Natural Gas and Other Gas by Pipeline, Chapter 27. Operations	§2725. I Odorization of Gas
<b>7. Cathodic Protection</b>	Part 192.465(d)	Remedial action completed within 90-days from date deficiency discovered	Louisiana Administrative Code Title 43 Natural Resources, Part XIII, Office of Conservation Pipeline	§2117. D External Corrosion Control: Monitoring





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
				Safety, Subpart 2 Transportation of Natural Gas and Other Gas by Pipeline, Chapter 21. Requirements for Corrosion Control
<b>8. Risk-Based Approaches</b>	Part 195.303	Risk Based alternative to pressure testing of older hazardous liquid pipelines not adopted or allowed in the Louisiana Chapter 303 Transportation of Hazardous Liquids by Pipeline- Pressure Testing	Louisiana Administrative Code Title 33 Environmental Quality, Part V Hazardous Waste and Hazardous Materials Chapter 303	Chapter 303 does not reference CFR Part 195.303 because it is prohibited.

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## Maine

### Key Stats

State Agency	Maine Public Utilities Commission
Division	Consumer Assistance Division
Department	Natural Gas and Propane Safety
Web	<a href="http://www.maine.gov/mpuc/natural_gas/natural_gas_safety/index.html">http://www.maine.gov/mpuc/natural_gas/natural_gas_safety/index.html</a>
Regulated Intrastate Pipeline Systems	5
Regulated Master Meter Operators	0
Regulated LNG Systems	1
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	38
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	75

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. Enhanced Reporting	Part 191.3	Requires Incident Notification within 1 hour	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§4 (A) Emergency Notification
2. Enhanced Reporting	Part 192.614 Part 191.3	Requires filing of damage resulting from 3 <sup>rd</sup> party excavation with Commission	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§3 (A) (1) (d) Participation in Underground Utility Damage Prevention Program
3. Enhanced Reporting	Part 191.3	Requires Reports of all evacuations of the general public involving gas	Maine 65-407 Public Utilities Commission Rules, Part 1 Procedural Rules, Chapter 130 Safety and Accident Reporting Requirements	Rule§3 (1) Reporting
4. Enhanced Reporting	Part 191.3	Requires Reports of all outages greater than 500 customers or 1% of system customers	Maine 65-407 Public Utilities Commission Rules, Part 1 Procedural Rules, Chapter 130 Safety and Accident Reporting Requirements	Rule§3 (1) Reporting
5. Enhanced Reporting	Part 191.3	Requires Reports of all interruptions greater	Maine 65-407 Public Utilities Commission	Rule§3 (1) Reporting





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		than 0.5 hr affecting other utilities critical facilities	Rules, Part 1 Procedural Rules, Chapter 130 Safety and Accident Reporting Requirements	
<b>6. Enhanced Reporting</b>	Part 192.723	Requires Monthly Status Reports of Leaks	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (G) Monthly Leak Report
<b>7. Enhanced Reporting</b>	Part 191.3	Requires Reports of all outages greater than 20 customers	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (A) Installation and Maintenance Standards
<b>8. Enhanced Reporting</b>	Part 192.603	Requires Annual Performance Measure Reporting of: Damages/Mile Leaks/Mile by Material Tickets/Mile Damages per 1K Tickets	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (F) (2) Report of Performance Measures
<b>9. Enhanced Reporting</b>	Part 192.603	Requires Annual filing of O&M Plans with Commission	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (C) Annual Submission of Operation Plans
<b>10. Enhanced Reporting</b>	Part 192.615	Requires Annual filing of Emergency Plans with Commission	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (C) Annual Submission of Operation Plans
<b>11. Enhanced Reporting</b>	Part 192.805	Requires Annual filing of Operator Qualification Plans with Commission	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (C) Annual Submission of Operation Plans
<b>12. Enhanced Reporting</b>	Part 192.616	Requires Annual filing of Public Awareness Plans with Commission	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (C) Annual Submission of Operation Plans
<b>13. Enhanced Reporting</b>	Part 192.614	Requires Annual filing of Damage Prevention Plans with Commission	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (C) Annual Submission of Operation Plans
<b>14. Enhanced Reporting</b>	Part 192.305	Requires Annual filing of Quality Assurance/Control Plans with Commission	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (C) Annual Submission of Operation Plans
<b>15. Enhanced Reporting</b>	Part 192.907	Requires Annual filing of Integrity Management Plans	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas	Rule§7 (C) Annual Submission of Operation Plans





# Maine

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
16. Enhanced Reporting	Part 192.301	with Commission Requires Annual filing of Construction Standard with Commission	Utilities, Chapter 420 Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (C) Annual Submission of Operation Plans
17. Enhanced Reporting	Part 192.615	Requires Monthly Reporting of Response Times to Emergency/Odor Complaints /Leaks	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (E) (3) Responses to Gas Odor Report
18. Enhanced Reporting	Advisory Bulletins 99-02 (FR 12212) 02-07 (FR 70806) 08-02 (FR 51303)	Requires Annual filing of failures for Plastic with Maine PUC and AGA Plastic Ad Hoc Committee	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (B) Plastic Pipe Data Sharing
19. Enhanced Reporting	Part 191.11	Requires Annual Reporting of total Operational and Maintenance Activity Hours	Order	
20. Enhanced Reporting	Part 192.319	Requires Commission Approval of any Interstate Transmission Pipeline Engineering Design including submission of plans 30 days prior to construction with chosen route	Maine Revised Statutes Annotated Title 35-A, Public Utilities Part 4 G, Chapter 45 Nat Gas Pipeline Utilities	§4510 Submission of Plans to Commission §4511 Submission of Maps to Commission
21. More Direct Oversight	Part 192 605	Requires quality assurance and quality control program be incorporated into O&M	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (A) (1-5) QA/QC Program
22. More Direct Oversight	Part 192 305	Requires inspection of outside construction crews	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (A) (1-5) QA/QC Program
23. More Direct Oversight	Part 192 305	Requires weekly Reporting of construction activities for Commission inspections	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (I) Construction Work Reporting
24. Valves	Part 192.181	Sets Criteria for Critical Valves limits and maximum number of downstream customers affected	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (D) (2) Installation and Maintenance Standards





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		(500 customers or 8 hour max relight)		
25. Valves	Part 192.747	Non Critical Valves must be operated within 5 years or recorded as inoperable	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (D) (2) Installation and Maintenance Standards
26. Valves	Part 192.747	Critical Valves must be accessible at all times	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (D) (2) Installation and Maintenance Standards
27. Valves	Part 192.747	Non Critical & Critical Valve Boxes must be accessible at all times (not paved over)	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (D) (3) Installation and Maintenance Standards
28. Valves	Part 192.747	Valve Boxes shall not transmit external loads to the main or service	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (D) (2) Installation and Maintenance Standards
29. Pressure Test	Part 192.553	Requires Uprating Plan to be filed with the Commission at least 30 days prior to Uprate	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (J) Uprating Notice Requirement
30. Damage Prevention	Part 192.614 Part 190.221	States Commission Safety Division is enforcement authority for all underground damage prevention rules of ME	Maine 65-407 Public Utilities Commission Rules, Part 8 Multi Utility, Chapter 895	Rule§7 (B) Commission Activities
31. Damage Prevention	Part 192.801 Part 192.614	Requires locators be trained and knowledgeable of ME Damage Prevention Regulations and CGA Best Practices	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§3 (B) (1) Participation in Underground Utility Damage Prevention Program
32. Damage Prevention	Part 192.319 Part 192.614	Requires procedure for trenchless technology installations in accordance with GPTC Appendix G-192-6	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§3 (D) Participation in Underground Utility Damage Prevention Program
33. Damage Prevention	Part 192.801 Part 192.614	Requires locators to be trained in trenchless technology installations and monitoring techniques	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§3 (D) (3) Participation in Underground Utility Damage Prevention Program
34. Damage Prevention	Part 192.614	Tracer wire to be 12 gauge coated, not in	Maine 65-407 Public Utilities Commission	Rule§5 (C) (1) Installation and





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		contact with pipe unless trenchless technology used and	Rules, Part 4 Gas Utilities, Chapter 420	Maintenance Standards
35. <b>Damage Prevention</b>	Part 192.614	6 inch wide Warning Tape required 12 inches below surface for traditional construction installation techniques	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (C) (1) Installation and Maintenance Standards
36. <b>Training/Qualifications</b>	Part 192.285	Annual Requalification required for Plastic pipe joining	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (C) (2) Installation and Maintenance Standards
37. <b>Meter Location/Protection</b>	Part 192.353	Master Meters not allowed after Jan 1 2012 unless operated and maintained by LDC	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (B) (1) Installation and Maintenance Standards
38. <b>Meter Location/Protection</b>	Part 192.353	Customer Meters must be located at Building wall or Structure (inside or out)	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (B) (1) Installation and Maintenance Standards
39. <b>Meter Location/Protection</b>	Part 192.355 Advisory Bulletins 11-02 (FR 7238) 97-01 93-01 08-03 (FR 12796)	Customers meters must be protected from snow and ice damage	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (B) (3) Installation and Maintenance Standards
40. <b>Meter Location/Protection</b>	Part 192.361	Service Lines must be <b>maintained, repaired, leak tested</b> by the operator	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (C) (4) Installation and Maintenance Standards
41. <b>Odorant</b>	Part 192.625	Requires Monthly Sampling (not periodic) and Reporting	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (H) (3) Installation and Maintenance Standards
42. <b>Leak Tests</b>	Part 192.723	Requires repeated leak surveys during Dec 1 to April 30 at least every 30 days on Cast Iron	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (C) (1) Installation and Maintenance Standards
43. <b>Leak Tests</b>	Part 192.723	Business Districts is defined in ME	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§2 (B) Definitions
44. <b>Leak Tests</b>	Part 192.723	Services for Public Buildings need leak	Maine 65-407 Public Utilities Commission	Rule§6 (C) (1) Leak Surveys and





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		surveyed inside and out each year between Mar 1 through Dec 1	Rules, Part 4 Gas Utilities, Chapter 420	Patrols
45. Leak Tests	Part 192.723	Requires leak surveys performed annually on all mains	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (C) (1) Installation and Maintenance Standards
46. Leak Tests	Part 192.605	Calibrated Instrument used must be used to check for leak survey	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (C) (2) Operation Standards
47. Response to Leaks	Part 192.723	Leak Classification System and Required timeline for Repairs [Class 2 Leaks repaired within 30 days or resurveyed until repaired. Class 3 Leaks repaired within 24 months or resurveyed every 6 months until repaired]	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (D) (1) Operation Standards
48. Response to Leaks	Part 192.723	Upgrading and Down Grading restrictions of Leak Survey Results	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (D) (7-8) Operation Standards
49. Response to Leaks	Part 192.723	Class I Leaks must be reported to local FD immediately	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (D) (1) Operation Standards
50. Response to Leaks	Part 192.723	After all leaks are repaired, post leak survey and inspection required	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (D) (6) Operation Standards
51. Replacement Programs	Part 192.489	Requires Cast Iron/BS mains and services Accelerated Replacement Program with Rate Adder	Maine PUC Order July 30, 2010 D# 2008-151	Entire Order is Applicable
52. Replacement Programs	Part 192.353	Relocates Existing Inside Meter to Outside Meter Location	Maine PUC Order July 30, 2010 D# 2008-151	Entire Order is Applicable
53. Authority Beyond OPS	Part 192.605	Operating must have procedure for Red Tagging Appliance and observing unsafe conditions in connection or	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (B) (5) Installation and Maintenance Standards





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
54. Authority Beyond OPS	None	reconnection of service Safety Department Routinely Participates with Gas Division on Rate Cases and files Witness Testimony	Maine 65-407 Public Utilities Commission Rules, Part 1 Procedural Rules, Chapter 110 Rules of Practice and Procedure	PART 5 Rulemaking Rule §503 Hearings
55. Extending LDC Responsibility	Part 192.616	Public Awareness Plan must include customer notification of responsibility to maintain customer piping in accordance with NFPA 54	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (B) (5) Installation and Maintenance Standards
56. Design Install Requirements	Part 192.181	Regulator Stations required to have inlet and outlet valves maintained and operable	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (D) (4) Installation and Maintenance Standards
57. Design Install Requirements	Part 192.181	Regulator Stations required to have inlet and outlet valves at specified distance from station for those less than or greater than 100 psig	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (D) (4) Installation and Maintenance Standards
58. Design/Install Requirements	Part 192.325	Requires 12 inches of clearance from any underground structure	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 © (4) Installation and Maintenance Standards
59. Design/Install Requirements	Part 192.287	Joiner cannot inspect own joints for Plastic Pipe joining	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 © (2) Installation and Maintenance Standards
60. Design/Install Requirements	Part 192.121	Only design factor of .32 is allowed for plastic including PA 11 (not .40)	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 © (2) Installation and Maintenance Standards
61. Design/Install Requirements	Part 192.325	Requires underground structure crossings to be over rather than under if a leak can migrate into space	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 © (4) Installation and Maintenance Standards
62. Design/Install Requirements	Part 192.361	Interstate Pipelines including service lines must be 24 inches deep	Maine Revised Statutes Annotated Title 35-A, Public Utilities Part 4 G, Chapter 45 Nat Gas Pipeline Utilities	§4506.1 Construction Requirements





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
63. Design/Install Requirements	Part 192.327	Mains in public ROW must have cover of at least 36 inches with limited exceptions	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 © (3) Installation and Maintenance Standards
64. Design/Install Requirements	Part 192.361	Services in public ROW must have cover of at least 30 inches and 24 inches on private property with limited exceptions	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 © (4) Installation and Maintenance Standards
65. Design/Install Requirements	Part 192.353	Service regulators must not be directly buried	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§5 (B) (4) Installation and Maintenance Standards
66. Enhanced Record Keeping	Part 192.605	Requires records of GPS coordinates of exposed pipe, newly installed pipe after Jan 1 2012, including street valve, service connection and all critical valves regardless of exposure	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§3 © (1-3) Participation in Underground Utility Damage Prevention Program Rule§5 (D) (1) Installation and Maintenance Standards
67. Enhanced Record Keeping	Part 192.727 Part 192.605	Requires recording locations of abandon mains and service on maps and records	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (B) (4-5) Inactive Mains and Services
68. Enhanced Record Keeping	Part 192.723 Part 192.605	Requires maintaining leak progression maps and records including location, material, type of joint and cause	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (E) Leak Progression Mapping
69. Enhanced Record Keeping	Part 192.605	Requires maintaining all records for the life of the pipeline facilities	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (A) Preservation of Records
70. Enhanced Record Keeping	Part 192.625	Requires Odorant Testing to include: volume of gas odorized, brand of odorometer, location of odorometer, amount of odorant added	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (H)(2) Odorization Records
71. Enhanced Record Keeping	Part 192.805 Part 192.603	Requires Operator Qualification Plans Integrated with O&M and Emergency Plan and cross referencing	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§7 (D) (3) Coordination of O&M Emerg. & OQ Plans





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>72. Inactive Services</b>	Part 192.727	Inactive Service must be cutoff if older than 2 years of inactive service for CI/BS mains and 5 years if Coated Steel or Plastic mains. BS stubs shall be cutoff immediately or no later than 6 months.	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (B) (1-3) Inactive Mains and Services
<b>73. Inactive Services</b>	Part 192.727	Inactive Service must be cutoff if building to be demolished.	Maine 65-407 Public Utilities Commission Rules, Part 4 Gas Utilities, Chapter 420	Rule§6 (B) (6) Inactive Mains and Services
<b>74. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

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## Maryland

### Key Stats

State Agency	Public Service Commission of Maryland
Division	Engineering Division
Department	
Web	<a href="http://webapp.psc.state.md.us/Intanet/home.cfm">http://webapp.psc.state.md.us/Intanet/home.cfm</a>
Regulated Intrastate Pipeline Systems	14 (7 Private Distribution,6 Intrastate Transmission,1 Municipality)
Regulated Master Meter Operators	52
Regulated LNG Systems	1
Regulated LPG Operators	13
Regulated Hazardous Liquid Systems	1
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	12

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 192.605	Requires a contact list to be filed in connection with general management duties, customer relations, engineering operations, meter test and repairs, safety, and emergencies during non-office hours.	Code of Maryland Regulations (COMAR) Title 20 Public Service Commission, Subtitle 55 Service Supplied by Gas Companies, Chapter 3 Records and Reports	<a href="#">COMAR 20.55.03.02F</a> Information to be Filed
2. <b>More Direct Oversight</b>	Part 192.305	Requires a construction notice to be filed for certain types of construction projects.	Code of Maryland Regulations (COMAR) ) Title 20 Public Service Commission, Subtitle 55 Service Supplied by Gas Companies, Chapter 3 Records and Report	<a href="#">COMAR 20.55.03.02J</a> Information to be Filed COMAR 20.56.01.09G (Propane)
3. <b>Damage Prevention</b>	Part 192.319	Requires identification tape to be installed at a minimum of 12"	Code of Maryland Regulations (COMAR) ) Title 20 Public Service	<a href="#">COMAR 20.55.09.07C(2)</a> Pipeline Location COMAR





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		above the top of the pipe.	Commission, Subtitle 55 Service Supplied by Gas Companies, Chapter 9 Safety	20.56.01.08 <sup>a</sup> (2) (Propane)
<b>4. Meter Location/Protection</b>	Part 192.357	Requires that residential meters be placed as close to the exterior building wall as possible.	Code of Maryland Regulations (COMAR) ) Title 20 Public Service Commission, Subtitle 55 Service Supplied by Gas Companies, Chapter 9 Safety	<a href="#">COMAR 20.55.09.07D(1)</a> Pipeline Location COMAR 20.56.01.08B(1) (Propane)
<b>5. Meter Location/Protection</b>	Part 192.361	Gas service may not be provided to new or renewed service lines if there is any underground pipeline after the meter, unless the pipeline carries gas only to gas utilization equipment located outdoors.	Code of Maryland Regulations (COMAR) ) Title 20 Public Service Commission, Subtitle 55 Service Supplied by Gas Companies, Chapter 9 Safety	<a href="#">COMAR 20.55.09.07D(2)</a> Pipeline Location COMAR 20.56.01.08B(2) (Propane)
<b>6. Odorant</b>	Part 192.625(a)	Requires that odorants level throughout the entire company distribution system shall be sufficient so that gas is detectable at 1/10 <sup>th</sup> of the LEL	Code of Maryland Regulations (COMAR) ) Title 20 Public Service Commission, Subtitle 55 Service Supplied by Gas Companies, Chapter 9 Safety	<a href="#">COMAR 20.55.09.06A</a> Odorization
<b>7. Leak Test</b>	Part 192.723	Requires service lines to place of public assembly to be leak surveyed at least once each calendar year, but with intervals not exceeding 15 months.	Code of Maryland Regulations (COMAR) ) Title 20 Public Service Commission, Subtitle 55 Service Supplied by Gas Companies, Chapter 9 Safety	<a href="#">COMAR 20.55.09.05B(2)</a> Gas Leakage Surveys COMAR 20.56.01.07A(1) (Propane)
<b>8. Leak Test</b>	Part 192.723	Requires that when a service utility person enters a customer's premises for the purpose of inspecting	Code of Maryland Regulations (COMAR) ) Title 20 Public Service Commission,	<a href="#">COMAR 20.55.09.05C(2)</a> Gas Leakage Surveys





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		or servicing any gas equipment (excluding meter reading), a leakage survey shall be conducted at appropriate locations.	Subtitle 55 Service Supplied by Gas Companies, Chapter 9 Safety	
<b>9. Leak Test</b>	Part 192.723	Spells out the acceptable types of equipment to be used to perform a leakage survey.	Code of Maryland Regulations (COMAR) ) Title 20 Public Service Commission, Subtitle 55 Service Supplied by Gas Companies, Chapter 9 Safety	<a href="#">COMAR 20.55.09.05A</a> Gas Leakage Surveys  COMAR 20.56.01.07B(2) (Propane)
<b>10. Extending LDC Responsibility</b>	Part 192.616	Requires the LDC to send a notice, twice a year, informing the customer of the hazards of gas and instructing him/her of the procedures for reporting gas leaks.	Code of Maryland Regulations (COMAR) ) Title 20 Public Service Commission, Subtitle 55 Service Supplied by Gas Companies, Chapter 4 Customer Relations	<a href="#">COMAR 20.55.04.01F</a> Information for Customers
<b>11. Enhanced Record Keeping</b>	Part 192.605	Requires that the utility keep certain records with regards to meter reading and meter inventory (manufacturer, number, type, capacity, multiplier, constants, pressure rating, and compensated index w/associated pressure).	Code of Maryland Regulations (COMAR) ) Title 20 Public Service Commission, Subtitle 55 Service Supplied by Gas Companies, Chapter 5 Metering Requirements – General, Chapter 6 Metering Test Facilities & Equipment, Chapter 7 Metering Tests	<a href="#">COMAR 20.55.05</a> Metering Requirements – General <a href="#">COMAR 20.55.06</a> Metering Test Facilities and Equipment <a href="#">COMAR 20.55.07</a> Metering Tests COMAR 0.56.02.05B (Propane)
<b>12. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections





# Maryland

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## Massachusetts

### Key Stats

State Agency	Massachusetts Department of Public Utilities
Division	Pipeline Engineering & Safety Division
Department	
Web	<a href="http://www.mass.gov/eea/grants-and-tech-assistance/guidance-technical-assistance/agencies-and-divisions/dpu/dpu-divisions/pipeline-safety-division/">http://www.mass.gov/eea/grants-and-tech-assistance/guidance-technical-assistance/agencies-and-divisions/dpu/dpu-divisions/pipeline-safety-division/</a>
Regulated Intrastate Pipeline Systems	11
Regulated Master Meter Operators	0
Regulated LNG Systems	19
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	52

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 192.305	Minimum of 3 construction projects per yr must be given 48 hours notice, 25% of projects >2500 ft require 48 hours notice, all projects > 5000 ft require 48 hours notice	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.04 Notice of Proposed Construction
2. <b>Enhanced Reporting</b>	Part 192.615	Emergency Response Plan must be submitted and approved by the Department of Public Utilities	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 19 Standards Of Performance For Emergency Preparation And Restoration Of Service For Electric Distribution And Gas Companies	19.04 (3) Emergency Response Plans
3. <b>Enhanced Reporting</b>	Part 192.615	The filing shall include a copy of all written Mutual Assistance Agreements into which	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 19	19.04 (3) Emergency Response Plans





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			the Company has entered, and identify and describe any modifications to the ERP and Mutual Assistance Agreements	Standards Of Performance For Emergency Preparation And Restoration Of Service For Electric Distribution And Gas Companies	
<b>4.</b>	<b>Enhanced Reporting</b>	Part 192.615	During an Emergency Event, each Company shall provide periodic reports to the Department, appropriate regional Massachusetts Emergency Management Agency representatives and municipal emergency managers, or their designees, that contain detailed information related to emergency conditions and restoration performance for each affected city and town	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 19 Standards Of Performance For Emergency Preparation And Restoration Of Service For Electric Distribution And Gas Companies	19.03 (4) (b) Performance Standards for Emergency Preparation and Restoration of Service
<b>5.</b>	<b>Enhanced Reporting</b>	Part 192.615	Following an Emergency Event, each Company shall submit a detailed report with supporting documentation to the Department on its restoration performance, including lessons learned.	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 19 Standards Of Performance For Emergency Preparation And Restoration Of Service For Electric Distribution And Gas Companies	19.03 (4) (c) Performance Standards for Emergency Preparation and Restoration of Service
<b>6.</b>	<b>Enhanced Reporting</b>	Part 192.615	ERP Plan shall contain at minimum: (1) identification of management staff responsible for Company operations, including a description of their specific duties; (2) a process for communicating with customers that extends beyond normal	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 19 Standards Of Performance For Emergency Preparation And Restoration Of Service For Electric Distribution And Gas Companies	19.04 (1) Emergency Response Plans





			<p>business hours and business conditions</p> <p>(3) designation of staff to communicate with local officials, including public safety officials, and relevant regulatory agencies</p> <p>(4) provisions regarding how the Company will assure the safety of its employees, contractors and the public</p> <p>(5) procedures for deploying Company and contractor crews, and crews acquired through Mutual Assistance Agreements to work assignment areas</p> <p>(6) identification of additional supplies and equipment needed during an emergency and the means of obtaining additional supplies and equipment</p>		
7.	<b>More Direct Oversight</b>	Part 192.3	Definition regarding Distribution System Pressures ( Low, Intermediate, High)	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (1) (2) (3) Additional Rules or Modifications
8.	<b>Valves</b>	Part 192.181 Part 192.747	All valve boxes, critical and non critical including curb boxes must be immediately accessible	Massachusetts General Laws, Part I Administration of the Government, Title XXII Corporations, Chapter 164 Manufacture and Sale of Gas And Electricity Section 116B	Section 116B Gas company to provide maintenance and improvement of gate boxes during street, sidewalk or road repair; application for assistance
9.	<b>Valves</b>	Part 192.365	All intermediate and high pressure services and all services two inches in diameter or larger shall be equipped with an	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (14) Additional Rules or Modifications





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			underground curb shut off located in proximity to the property line		
<b>10. Valves</b>	Part 192.365		Whenever gas is supplied to a theatre, church, school, factory or other buildings where large numbers of persons assemble, an outside shut off in such case will be required regardless of the size of the service or of the service pressure. [ <b>Requires curb valve + riser valve</b> ]	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (14) Additional Rules or Modifications
<b>11. Valves</b>	Part 192.365		All underground curb shut offs shall be readily identifiable by gas company personnel	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (14) Additional Rules or Modifications
<b>12. Valves</b>	Part 192.365		All underground curb shut offs shall be available for easy access by gas company personnel.	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (14) Additional Rules or Modifications
<b>13. Pressure Testing</b>	Part 192.507		Steel gas mains to be operated at pressures <b>from 100 psig to 150 psig</b> shall be air or hydrostatically tested for tightness to 1.5 times the maximum allowable operating pressure for at least one hour.	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (15) Additional Rules or Modifications
<b>14. Pressure Testing</b>	Part 192.507		Steel gas mains to be operated at pressures <b>in excess of 150 psig</b> shall be air or hydrostatically tested for tightness to 1.5 times the maximum operating pressure for at least <b>four</b> hours	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (15) Additional Rules or Modifications
<b>15. Pressure Testing</b>	Part 192.507		Calibrated recording instruments shall be verified by <b>dead weight instruments</b>	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101	101.06 (15) Additional Rules or Modifications





			<b>and the recording submitted to the D.P.U.</b> for certification that the steel gas main as defined may be operated at a pressure which is equal to the test pressure divided by a factor of 1.5.	General Requirements	
16.	<b>Pressure Testing</b>	Part 192.509	Each newly installed steel main that is to be operated at or below 100 psig must be leak tested at a test pressure of <b>at least 90 psig</b>	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (16) Additional Rules or Modifications
17.	<b>Pressure Testing</b>	Part 192.509	Each newly installed steel main that is to be operated at or below 100 psig must be leak tested for <b>at least one hour.</b>	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (16) Additional Rules or Modifications
18.	<b>Pressure Testing</b>	Part 192.509	Each newly installed steel main that is to be operated at or below 100 psig must be leak tested for <b>at least one hour.</b>	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (16) Additional Rules or Modifications
19.	<b>Pressure Testing</b>	Part 192.511 Part 192.513	All steel service lines must be tested for <b>at least 15 minutes</b>	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (17) Additional Rules or Modifications
20.	<b>Pressure Testing</b>	Part 192.511 Part 192.513	For all plastic mains and services the test pressure shall be at least 150% of the maximum operating pressure or 90 psig whichever is the greater,	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (18) Additional Rules or Modifications
21.	<b>Pressure Testing</b>	Part 192.511 Part 192.513	For all plastic mains and services the test pressure shall be for at least 15 minutes for services, or one hour for mains.	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (18) Additional Rules or Modifications
22.	<b>Damage Prevention</b>	Part 192.614 Part 190.221	States Commission Pipeline Engineering and Safety Division is	220 CMR 99.00: Procedures For The Determination And	99.07: (1) Notice of Probable Violation:





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			enforcement authority for all underground damage prevention rules of MA	Enforcement Of Violations Of M.G.L. c.82, § 40 ("DIG SAFE")	Commencement of Enforcement Proceedings
<b>23. Meter Location/ Protection</b>	Part 192.351		Each gas meter shall be replaced every seven years	Commonwealth of Massachusetts General Laws Part 1 Administration of the Government Title XXII Corporations Chapter 164 Manufacture and Sale of Gas and Electricity	Section 115A Replacement of Gas Meters
<b>24. Odorant</b>	Part 192.625		Gas must be odorized so that it can smelled at .15% gas-in-air	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (20) Additional Rules or Modifications
<b>25. Leak Tests</b>	Part 192.723		For Business Districts, leak surveys must be conducted at intervals <b>not greater than 12 months</b>	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (21) Additional Rules or Modifications
<b>26. Leak Tests</b>	Part 192.723		Business districts are defined as areas with pavement from building wall to building wall and/or where the principal commercial activity of the city or town takes place.	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (21) Additional Rules or Modifications
<b>27. Leak Tests</b>	Part 192.723		Business districts shall be outlined on a map and maintained by the operator	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (21) Additional Rules or Modifications ns
<b>28. Leak Tests</b>	Part 192.723		For non Business districts, Leakage surveys shall be made of the area not included in the principal business district at least once in every consecutive 24 month period	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (21) Additional Rules or Modifications
<b>29. Leak Tests</b>	Part 192.723		Types of Leak Survey are specified as one of the four following methods: 1. Gas detector surveys	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (21) Additional Rules or Modifications





			using combustible gas indicators, flame ionization equipment, infra-red equipment or other industry accepted testing equipment.		
			2. Bar tests.		
			3. Vegetation surveys.		
			4. Pressure drop tests		
<b>30.</b>	<b>Leak Tests</b>	Part 192.723	A survey of schools, churches, hospitals, theatres, and arenas shall be conducted at least once annually. The survey shall include tests for gas <u>leakage</u> and visual inspection of gas facilities in the immediate area of the service entrance	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (21) Additional Rules or Modifications
<b>31.</b>	<b>Leak Tests</b>	Part 192.723	All disclosed conditions of a nature hazardous to persons or property shall be promptly made safe and <b>permanent repairs instituted</b>	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (21) Additional Rules or Modifications
<b>32.</b>	<b>Replacement Program</b>	Part 192.755	Cast Iron replacement Program Required	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 113 Operation, Maintenance, Replacement and Abandonment of Cast Iron Pipelines	113.05 Replacement and Abandonment Program and Procedures
<b>33.</b>	<b>Replacement Program</b>	Part 192.755	Encroached Cast Iron replaced immediately	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 113 Operation, Maintenance, Replacement and Abandonment of Cast Iron Pipelines	113.06 Replacement of Cast Iron Pipe at Trench Crossings 113.07 Replacement of Cast Iron Pipe Adjacent to Parallel Excavations
<b>34.</b>	<b>Authority Beyond OPS</b>	Part 192.747 Part 192.181	Operators required to have a liaison with local Government Agencies and attend reconstruction	Department of Public Utilities Commission Order Oct 16 2008 for Docket # -06-48 A.	Order establishing Protocol for Communicating with Governmental Agencies





# Massachusetts

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			meetings for the purposes of eliminating paved over valve boxes in public ROWs		
35.	<b>Authority Beyond OPS</b>	Part 192.303 Part 192.101 Part 192..601 Part 192.701	Requires municipalities to incorporate road enhancements for those affecting mains greater than 200 PSIG	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 111 Construction of streets. Places and ways except residential driveways, over , along or across high pressure gas mains operating in excess of 200 PSIG.	111.01 – 111.04 All Sections applicable
36.	<b>Design/Install Requirement</b>	Part 192.305 Part 192.603 Part 192.703	Mains with MAOP >200 psig must meet enhanced design, construction and maintenance requirements	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 109 Design, Construction, Operation and Maintenance of Intrastate Pipelines Operating in Excess of 200 PSIG	109.01 – 109.13 All Sections applicable
37.	<b>Design/Install Requirement</b>	Part 192.5	All pipelines anywhere in the state must meet Class 3 or 4 requirements	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (4) Additional Rules or Modifications
38.	<b>Design/Install Requirement</b>	Part 192.123	Design limitations for plastic pipe for wall thickness	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (4) Additional Rules or Modifications
39.	<b>Design/Install Requirement</b>	Part 192.241	Welds must radiographed for at least 10% of the welds made	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (9) Additional Rules or Modifications
40.	<b>Design/Install Requirement</b>	Part 192.241	The D.P.U. may at any time visually inspect any welding and if it is considered faulty, order the operating company to subject the weld to a destructive test as outlined in paragraph I	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (9) Additional Rules or Modifications





			of Appendix C of CFR 192 Standards or to a radiographic examination.		
41.	<b>Design/Install Requirement</b>	Part 192.317	Detailed Design requirements and installation plan for pipes located on trestles and bridges	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (10) Additional Rules or Modifications
42.	<b>Design/Install Requirement</b>	Part 192.323	All Railway and Highway crossings with a pipeline require a casing and must be at installed at 90 degrees to traveled way when operating >200 psig	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (11) Additional Rules or Modifications
43.	<b>Design/Install Requirement</b>	Part 192.323	All Railway and Highway crossings with a pipeline require a casing and must be in accordance with API 1102 1968 edition when operating >200 psig	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (11) Additional Rules or Modifications
44.	<b>Design/Install Requirement</b>	Part 192.323	All highway crossings with a pipeline require a casing and must be 54 inches of cover to the top of the casing and the casing shall extend 25 feet beyond the pavement or to the ROW when operating >200 psig	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (11) Additional Rules or Modifications
45.	<b>Design/Install Requirement</b>	Part 192.327	Mains less than 24 inches of cover that require protection also require Commission approval	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (12) Additional Rules or Modifications
46.	<b>Design/Install Requirement</b>	Part 192.327	Transmission Lines regardless of Class Location must be buried with cover of 36 inches	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (12) Additional Rules or Modifications
47.	<b>Design/Install Requirement</b>	Part 192.327	Mains installed under state highways must be buried with cover of 36 inches	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (12) Additional Rules or Modifications





# Massachusetts

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<b>48. Enhanced Record Keeping</b>	Part 192.723	Records of the leakage surveys required under 220 CMR 101.06 shall be maintained for a period of time not less than the interim between successive surveys	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 101 General Requirements	101.06 (21) Additional Rules or Modifications
<b>49. Inactive Services</b>	Part 192.727	Inactive services must be abandoned within 5 years; 10 yrs. For services installed after 1971.	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 107 Abandonment of Gas Service Lines and Leakage Survey Procedures	107.05 Abandonment of Service Lines
<b>50. Inactive Services</b>	Part 192.727	Inactive services must be cut off at the main, purged, and the ends must be plugged.	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 107 Abandonment of Gas Service Lines and Leakage Survey Procedure	107.03 Definitions
<b>51. Stronger Enforcement Penalties</b>	<b>Part 190.223</b>	If after investigation the Department finds a violation of the standards established in 220 CMR 19.03, the Department shall levy a penalty not to exceed \$250,000 for each violation for each day that the violation of the Department's standards persists; provided, however, that the maximum penalty shall not exceed \$20,000,000 for any related series of violations.	220 Department of Public Utilities, Code of Massachusetts Regulations , Title 19 Standards Of Performance For Emergency Preparation And Restoration Of Service For Electric Distribution And Gas Companies	19.05 (2) Department Investigation into Company Performance; Remedies
<b>52. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

*National Association of Pipeline Safety Representatives*





## Michigan

Key Stats	
State Agency	Michigan Public Service Commission
Division	Operations & Wholesale Markets
Department	Gas Operations
Web	<a href="http://www.michigan.gov/mpsc/0,4639,7-159-16385---,00.html">http://www.michigan.gov/mpsc/0,4639,7-159-16385---,00.html</a>
Regulated Intrastate Pipeline Systems	62
Regulated Master Meter Operators	0 (None in state)
Regulated LNG Systems	0 (None in state)
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	2
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	71

### Applicable Requirement in CFR

	Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1.	Enhanced Reporting	Part 191.5	Reports of Incidents: Telephonic Notice to the Commission of property damage of \$10K, media coverage, and loss of gas to more than 100 customers	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20503 Reports Of Incidents; Telephonic Notice To The Commission
2.	Enhanced Reporting	Part 191.5	Telephonic Notice to the Commission of Sour Gas Leak within 8 hours	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20424 Telephonic Notice To The Commission Of Sour Gas Leak. (Sour Gas)
3.	Enhanced Reporting	Part 191.7	Simultaneous State reporting Address for Written Reports required by §191.9, §191.11, §191.13, §191.15, §191.17, §191.23	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20504 Address For Written Reports
4.	Enhanced Reporting	Part 192.605	Operations and maintenance plan required in 49 CFR 192.605 shall be filed with the commission	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20319 Filing Of Operation And Maintenance Plan With Commission Required
5.	More Direct	Part 192.605	Operators of sour gas	Section 2 of 1969 PA	R 460.20419





# Michigan

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Oversight</b>		pipelines must address all issues involved with operating sour gas pipelines in operations and maintenance plan required by 49 CFR §192.605	165, Michigan Compiled Law 483.152	Sour Gas Pipeline Operating And Maintenance Plan; Contents. (Sour Gas)
<b>6. More Direct Oversight</b>	Part 192.3	Additional Definitions; Commission, Corrosion, Customer, Hoop stress, Leak, Leakage survey, Pressure, Sour gas, System, Vault Additional Definitions; Commission,	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20102 Definitions
<b>7. More Direct Oversight</b>	Part 192.615	An operator of a sour gas pipeline must address public and employee safety and ways to minimize danger in their emergency procedures	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20422 Emergency procedures. (Sour Gas)
<b>8. More Direct Oversight</b>	Part 192.616	Operators of sour gas pipelines must provide continuing education to help excavators, general public, and government organizations recognize sour gas pipeline emergencies, and what action to take in case of an emergency	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20423 Sour gas education programs. (Sour Gas)
<b>9. Valves</b>	Part 192.145	Valves used in sour gas systems must meet requirements in the National Association of Corrosion Engineers International Standard NACE MR0175/ISO 15156, 2004-2007	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20405 Valves; Qualification For Sour Gas Service. (Sour Gas)
<b>10. Valves</b>	Part 192.365	Prescribes where valve for service line is required and location of valve	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20309 Service lines; valve location
<b>11. Valves</b>	Part 192.745	Each valve in a sour	Section 2 of 1969 PA	R 460.20431





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		gas pipeline that may potentially be used in an emergency situation shall be inspected and partially operated at intervals of 7.5 months or less and twice a calendar year	165, Michigan Compiled Law 483.152	Valve Maintenance; Sour Gas Pipelines. (Sour Gas)
12. Valves	Part 192.747	An operator shall partially operate a valve that may be necessary for the safe operation of a distribution system at intervals of 15 months or less but at least once a calendar year	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20329 Valve Maintenance; Distribution Systems.
13. Valves	Part 192.179	Requires placement of sectionalizing block valves in sour gas	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20407 Sectionalizing block valves. (Sour Gas)
14. Pressure Testing	Part 192.513	Pressure tests shall last at least 1 hour	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20313 Strength test requirements; plastic pipelines
15. Pressure Testing	Part 192.505	All sour gas pipelines must be pressure tested to at least twice their MAOP for at least 8 hours	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20412 Strength test requirements. (Sour Gas)
16. Pressure Testing	Part 192.509	Adds requirement that mains to be operated above 60 psi gage require a pressure test of 1.5 times the proposed MAOP	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20311 Test requirements for pipelines operating below 100 psig
17. Operating Pressure	Part 192.621	Unreinforced bell and spigot joint cast iron pipe may be operated at a maximum pressure of 10 psi	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20322 Maximum Allowable Operating Pressure Of Pipeline Containing Cast-Iron Pipe
18. Operating Pressure	Part 192.739	Pressure limiting or pressure relief devices shall be tagged to indicate the MAOP of the facilities being	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20328 Pressure-Limiting And Pressure-Regulating Stations; Inspection





# Michigan

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		protected, and the set pressure, or make information available at each location		And Testing
<b>19. Operating Pressure</b>	Part 192.739	Pressure limiting or regulating devices used in the transportation of sour gas shall be inspected at intervals of 7.5 months or less and at least twice a calendar year	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20430 Inspection Of Pressure-Limiting And Pressure-Regulating Stations. (Sour Gas)
<b>20. Damage Prevention</b>	Part 192.614	When an operator is made aware of a "One Call" notification involving their sour gas pipeline, operator must monitor the excavation with onsite personnel	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20421 Damage Prevention Program. (Sour Gas)
<b>21. Damage Prevention</b>	Part 192.707	Sour gas pipelines shall have line markers placed so that at least one is visible from any location on the pipeline and shall indicate that sour gas is present in the pipeline	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20427 Line markers for sour gas pipelines. (Sour Gas)
<b>22. Damage Prevention</b>	Part 192.327	Sour gas pipelines shall have a warning tape installed 12" or more above the pipeline	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20414 Cover. (Sour Gas)
<b>23. Training and Qualifications</b>	Part 192.605	Operators of sour gas pipelines must file plans and procedures to address safety concerns regarding abnormal operating procedures	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20420 Safety Procedures For Abnormal Operating Conditions. (Sour Gas)
<b>24. Meter Location/Protection</b>	Part 192.353	Customer meters and regulators outside unless impractical and meet certain location conditions	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20308 Customer meters and regulators; location.
<b>25. Leak Tests</b>	Part 192.511	Leak tests performed on services must last	Section 2 of 1969 PA 165, Michigan	R 460.20312 Leak test





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		10 minutes	Compiled Law 483.152	requirements; service lines.
<b>26. Leak Tests</b>	Part 192.553	Leaks detected during uprating operations shall be exposed, monitored and repaired if new pressure exceeds 10 psi	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20315 Leaks occurring during uprating; repairs and monitoring required.
<b>27. Leak Tests</b>	Part 192.555	A leak test is to be performed and all leaks found are to be repaired before any segment of steel pipeline is subjected to an operating pressure that produces a hoop stress of 30% or more of specified minimum yield strength	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20316 Leakage survey required in addition to requirements in 49 C.F.R. § 192.555(b)(2).
<b>28. Leak Tests</b>	Part 192.706	Operators of sour gas pipelines shall perform leakage surveys on their sour gas pipelines at least twice each calendar year at intervals of 7.5 months or less	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20426 Leakage surveys. (Sour Gas)
<b>29. Leak Tests</b>	Part 192.705	Operators shall patrol all transmission lines that are operating at 40% or greater of specified minimum yield strength at intervals of less than 6 weeks and not less than 12 times each calendar year	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20325 Transmission line patrolling.
<b>30. Leak Tests</b>	Part 192.705	Operators shall patrol all sour gas pipelines at intervals of less than 6 weeks and not less than 12 times each calendar year	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20425 Sour gas pipeline patrolling. (Sour Gas)
<b>31. Leak Tests</b>	Part 192.603	Gas service shall not be established until a leak test is performed.	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20318 Gas leak investigation; establishment of service; customer





# Michigan

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
				leak complaint records.
<b>32. Response to Leaks</b>	Part 192.557	All leaks found in survey performed according to 49 CFR §192.557(b)(2) must be repaired	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20317 Provisions of 49 C.F.R. § 192.557(b)(2) superseded by leakage survey and repair requirement
<b>33. Response to Leaks</b>	Part 192.603	Operators are to investigate every gas leak report received as soon as possible and repair the situation.	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20318 Gas leak investigation; establishment of service; customer leak complaint records.
<b>34. Response to Leaks</b>	Part 192.717	Disallows welding of steel plate over corrosion pitted area as described in 49 CFR §192.717(b)(3)	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20326 Transmission lines; permanent field repair of leaks.
<b>35. Response to Leaks</b>	Part 192.723	Operator must evaluate leaks to determine which should be: fixed immediately, fixed within one year, or monitored	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20327 Distribution system; leakage surveys and procedures.
<b>36. Replacement Program</b>	Part 192.753	Cast iron pipe with caulked bell and spigot joints that is subject to pressures greater than or equal to 10 psi must be sealed with a mechanical leak clamp or an equivalent method not reducing the flexibility of the joint, permanently bonds with the surface of the joint, and complies with strength, environmental, and chemical properties outlined in 49 CFR §192.53 and 49 CFR §192.143	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20331 Caulked bell and spigot joints
<b>37. Replacement</b>	Part 192.485	Each segment of	Section 2 of 1969 PA	R 460.20418





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Program</b>		pipeline with a resulting wall thickness less than that required by its MAOP due to corrosion must be replaced	165, Michigan Compiled Law 483.152	Remedial measures. (Sour Gas)
<b>38. Replacement Program</b>	Part 192.309	During new construction In repairing a sour gas pipeline, full cylindrical sections of pipe are to be removed and replaced	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20411 Repair of steel pipe. (Sour Gas)
<b>39. Replacement Program</b>	Part 192.717	For existing pipelines, In repairing a sour gas pipeline, full cylindrical sections of pipe are to be removed and replaced	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20429 Repair of steel pipe. (Sour Gas)
<b>40. Replacement Program</b>	Part 192.711	Temporary repairs on sour gas pipelines are not allowed. A damaged pipeline shall be taken out of repair until a permanent repair can be made	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20428 Prohibition on temporary repairs. (Sour Gas)
<b>41. Replacement Program</b>	Part 192.613	Replacement/ enhancement program for distribution and transmission pipe	Order U-16855, Exhibit A, dated 06/07/12	Exhibit A, Paragraph 5
<b>42. Replacement Programs</b>	Part 192.613	Main replacement program, eliminate pending corrosion work orders, remediate pending leaks, and move inside meters outside	Order U-16999 dated 04/16/13  U-15985 dated 06/03/10 U-16407 dated 9/13/11 U-16451 dated 09/13/11	Entire order  Section X. Other Issues, Subsection A., Pipeline and System Safety Concerns Entire Order Entire Order
<b>43. Replacement Programs</b>	Part 192.613	Main replacement program for cast iron and unprotected steel	Order U-17169 dated May 29, 2013	Entire Order





# Michigan

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>44. Authority Beyond OPS</b>	Part 192.167	In the event of an emergency shutdown, all sour gas released from sour gas pipeline facilities shall be flared to minimize danger	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20406 Compressor station; emergency shutdown. (Sour Gas)
<b>45. Authority Beyond OPS</b>	Part 192.1	Scope; Conversion of Existing Pipeline to Sour Gas Service	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20401 Scope; conversion of existing pipeline to sour gas service. (Sour Gas)
<b>46. Authority Beyond OPS</b>	Part 192.9	Gives Authority to Regulate Corporations Transporting or Selling Natural Gas and orders specifically require pipelines built, including gathering lines, to be designed and constructed in accordance with the safety standards	1929 PA 9, Michigan Compiled Law 483 and related Orders	Orders authorizing the construction of pipelines
<b>47. Extending LDC responsibility</b>	Part 192.703	Master meter systems are required to be operated by the gas distribution utility	Order U-4211, dated 04/29/74	Order, Exhibit A
<b>48. External/Internal Corrosion</b>	Part 192.475	Requires analysis of corrosive effects of sour gas before transporting	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20416 Internal corrosion control; generally. (Sour Gas)
<b>49. External/Internal Corrosion</b>	Part 192.477	Requires internal corrosion monitoring intervals of sour gas systems 4 times per year initially until sufficient monitoring schedule is developed	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20417 Internal corrosion control; monitoring. (Sour Gas)
<b>50. Design/Installation Requirement</b>	Part 192.751	Prior to welding near or in a vault, pit or other area containing gas facilities, an operator must check for the presence of a combustible gas mixture.	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20330 Prevention of accidental ignition.





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
51. Design/Installation Requirement	Part 192.739	Any fenced area containing a meter or regulator station shall have an alternate means of exit in case of emergency	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20324 Fenced areas; alternate means of exit.
52. Design/Installation Requirement	Part 192.55	Materials for Pipe and Components used in sour gas systems must meet requirements in the National Association of Corrosion Engineers International Standard NACE MR0175/ISO 15156, 2004-2007	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20402 Materials for pipe and components; requirements. (Sour Gas)
53. Design/Installation Requirement	Part 192.105	Steel Pipe Design Formula; Sour Gas pipeline must design factor of 0.40 (Class 4)	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20403 Steel pipe; design formula. (Sour Gas)
54. Design/Installation Requirement	Part 192.163	Operators must identify all emergency valves and controls by signs. Fuel gas lines must have master shutoff valves located outside of a building, and have pressure limiting devices as to limit pressure to 10% over MAOP.	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20302 Compressor station piping.
55. Design/Installation Requirement	Part 192.187	Underground vaults are to be fitted with ventilation ducts that prevent foreign matter from entering the duct	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20303 Vault and pit sealing, venting, and ventilation
56. Design/Installation Requirement	Part 192.225	Welder must be qualified under section IX of the ASME boiler and pressure vessel code, or section 5 of API Standard 1104, and Appendix B of API Standard 1104 and must be present on the jobsite	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20304 Welding procedures
57. Design/Installation Requirement	Part 192.225	Sour gas welding procedures shall	Section 2 of 1969 PA 165, Michigan	R 460.20408 Qualification of





# Michigan

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
Requirements		conform to NACE MR0175/ISO 15156, 2004-2007	Compiled Law 483.152	welding procedures. (Sour Gas)
58. Design/Installation Requirement	Part 192.235	Preheating temperature required in procedures must be maintained throughout welding of pipe	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20307 Welding preheating
59. Design/Installation Requirement	Part 192.241	100% of girth butt welds used in sour gas pipelines must be nondestructively tested	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20409 Inspection and testing of welds. (Sour Gas)
60. Design/Installation Requirement	Part 192.243	Regulating stations, measuring stations and compressor stations must have 100% of butt welds nondestructively tested	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20306 Nondestructive testing
61. Design/Installation Requirement	Part 192.273	Threaded joints disallowed in sour gas pipelines	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20410 Threaded joints. (Sour Gas)
62. Design/Installation Requirement	Part 192.325	Sour gas pipelines shall maintain 48" clearance from all other underground structures or shall be protected from damage if clearance is not attainable	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20413 Underground clearances. (Sour Gas)
63. Design/Installation Requirement	Part 192.327	Sour gas pipelines shall maintain 48" of cover	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20414 Cover. (Sour Gas)
64. Design/Installation Requirement	Part 192.327	Sour gas pipelines shall avoid Class 3 and 4 locations and avoid using road rights of way	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20415 Pipeline location. (Sour Gas)
65. Design/Installation Requirement	Part 192.453	Prohibits use of galvanized or aluminum pipe	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20310 Galvanized or aluminum pipe prohibited for direct burial or submerged use
66. Design/Installation Requirement	Part 192.629	Operators of sour gas pipelines must have a plan in place to address	Section 2 of 1969 PA 165, Michigan Compiled Law	R 460.20404 Purging of sour gas pipelines; plan;





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
s		safety concerns involved with purging or blowing down a sour gas pipeline. Only qualified personnel shall perform the written procedures.	483.152	personnel. (Sour Gas)
67. Enhanced Record Keeping	Part 192.517	Class location and proposed MAOP at time of test must also be recorded and retained as part of test records	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20314 Test records
68. Enhanced Record Keeping	Part 192.603	Records shall be kept as to leak complaints and remediation of leaks	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20318 Gas leak investigation; establishment of service; customer leak complaint records.
69. Enhanced Record Keeping	Part 192.227	Requires all welding qualifications to be available on jobsite	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20305 Welder qualification records
70. Enhanced Record Keeping	Part 192.625	An operator required to odorize a pipeline must establish and maintain records to show compliance with the requirements of 49 CFR §192.625, including the quantity of odorant used and sampling of Odorization	Section 2 of 1969 PA 165, Michigan Compiled Law 483.152	R 460.20323 Odorization of gas; records maintenance
71. State Inspection Program	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

*National Association of Pipeline Safety Representatives*





# Minnesota

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## Minnesota

### Key Stats

State Agency	Department of Public Safety
Division	Office of Pipeline Safety
Department	Department of Public Safety
Web	<a href="https://dps.mn.gov/divisions/ops/pages/default.aspx">https://dps.mn.gov/divisions/ops/pages/default.aspx</a>
Regulated Intrastate Pipeline Systems	83
Regulated Master Meter Operators	1
Regulated LNG Systems	2
Regulated Hazardous Liquid Systems	3
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	30

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.5	Incident reporting criteria – significant media coverage is considered in the reportable event policy	Minnesota Statutes Chapter 299F Fire Marshal , Section 63	<a href="#">299F.63</a> (1)(b) Records, Reports, Inspections  <a href="https://dps.mn.gov/divisions/ops/forms-documents/Documents/MNOPS%20Reportable%20Events%20Policy.pdf">https://dps.mn.gov/divisions/ops/forms-documents/Documents/MNOPS%20Reportable%20Events%20Policy.pdf</a>
2. <b>Enhanced Reporting</b>	Part 191.5	Expanded reporting criteria includes any fire not caused by operator	Minnesota Statutes Chapter 299F Fire Marshal , Section 63	<a href="#">299F.63</a> (1)(b) Records, Reports, Inspections
3. <b>Enhanced Reporting</b>	Part 191.3 Part 192.614	Additional reporting requirements for MN OPS that are non-incident including: 3 <sup>rd</sup> party damage reporting, building evacuations, status of condition of pipe and shared with municipalities served (pressure test results after reportable incident),	Minnesota Statutes 299F Section 63 Minnesota Administrative Rules 7530.1500 Testing and Test Results	Reportable event policy and Alert Notice AL-04-2010 Reporting of Gas Pipeline Leaks Caused by Excavation  <a href="https://dps.mn.gov/divisions/ops/forms-documents/Documents/Alert%202010-4%20Rev%208.pdf">https://dps.mn.gov/divisions/ops/forms-documents/Documents/Alert%202010-4%20Rev%208.pdf</a>
4. <b>Enhanced</b>	Part 191.3	Requires giving notice	Minnesota	7530.1500





	<b>Reporting</b>		to the MN OPS and affected municipality of any pressure tests 48 hours prior to test	Administrative Rules Chapter 7530 Pipeline Safety Enforcement and Sanctions	Testing and Test Results <a href="#">Subpart 2</a> Notice
5.	<b>Enhanced Reporting</b>	Part 191.3	Require reports of outages of > 50 customers	Minnesota Statutes Chapter 299F Fire Marshal , Section 63	<a href="#">299F.63</a> (1)(b) Records, Reports, Inspections
6.	<b>Enhanced Reporting</b>		Cast Iron/BS Replacement Reporting	Minnesota Statutes Chapter 299F Fire Marshal , Section 63	Survey Of Cast Iron Management And Replacement Program
7.	<b>Enhanced Reporting</b>		Plastic pipe inventory,	MN OPS written Policy for all Operators	
8.	<b>Enhanced Reporting</b>	Part 192.603	Electronic Access to MN OPS of most current O&M, Procedures, Operator Qualification Plan	Minnesota Statutes Chapter 299F Fire Marshal , Section 59 & Section 62	299F.59 Compliance With Standards. 299F.62 Plan To Operate And Maintain Gas Pipeline.
9.	<b>Enhanced Reporting</b>	Part 192.603	Operation & Maintenance Plans must be filed/approved with MNOPS	Minnesota Statutes Chapter 299F Fire Marshal , Section 59 & Section 62	299F.59 Compliance With Standards. 299F.62 Plan To Operate And Maintain Gas Pipeline
10.	<b>Enhanced Reporting</b>	Part 192.615	Emergency Response Plans must be filed/approved with MNOPS	Minnesota Statutes Chapter 299F Fire Marshal , Section 59 & Section 62	299F.59 Compliance With Standards. 299F.62 Plan To Operate And Maintain Gas Pipeline
11.	<b>Enhanced Reporting</b>	Part 192.603	Construction Standards must be filed/approved with MNOPS	Minnesota Statutes Chapter 299F Fire Marshal , Section 59 & Section 62	299F.59 Compliance With Standards. 299F.62 Plan To Operate And Maintain Gas Pipeline
12.	<b>Enhanced Reporting</b>	Part 192.615	Provide Contact List for emergencies to Safety Inspectors,	Inspection protocol	Operator contacts maintained in OPS System
13.	<b>Enhanced Reporting</b>	Part 192.615	Reporting of Response Times Emergency/Odor Complaints/Leaks	Policy	Emergency response reporting form
14.	<b>Enhanced Reporting</b>	Part 191.22	Requires notification of change of ownership, merger,	Policy	All pipeline operators must set up an account with





# Minnesota

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			acquisition		meters and miles reported
15. <b>Enhanced Reporting</b>	Part 192.305	Projects, Extensions, Improvements to Capital of Gas Utility	Policy		Operators file reports of construction activities
16. <b>More Direct Oversight</b>	Part 192.305	More direct oversight of construction activities (or reports to allow same)	Policy		Operators file reports of construction activities
17. <b>More Direct Oversight</b>	Part 192.237 Part 192.605 Part 192.617 Part 192.803	Amendments of OQ, O&M plans required after incidents	Minnesota Statutes Chapter 299F Fire Marshal , Section 59 & Section 62		Inadequate procedures must be amended
18. <b>Damage Prevention</b>	Part 192.614	Enhanced damage prevention requirements as pipeline operators can only be member of single or specified One Call Ctr,	Minnesota Administrative Rules Chapter 7560 Excavation Notice System		7560.0300 Operator participates and shares costs
19. <b>Damage Prevention</b>	Part 192.614 Part 190.201	MNOPS enforces one call laws	Minnesota Administrative Rules Chapter 7560 Excavation Notice System		7560.040 Citations. MNOPS enforces one call laws
20. <b>Damage Prevention</b>	Part 192.614	7 methods specified for operators Preventing Sewer Service Lateral Cross Bores	MN OPS Alert Notice AL-01-2010, May 2010		<a href="https://dps.mn.gov/divisions/ops/forms-documents/Documents/Alert%20Notice%2001-2010.pdf">https://dps.mn.gov/divisions/ops/forms-documents/Documents/Alert%20Notice%2001-2010.pdf</a>
21. <b>Meter Location /Protection</b>	Part 192.317	MNOPS specification for Vehicle Impact Protection for meters	Alert Notice AL-02-2010 April 15, 2011		<a href="https://dps.mn.gov/divisions/ops/forms-documents/Documents/Alert%20Notice%2002-2010.pdf">https://dps.mn.gov/divisions/ops/forms-documents/Documents/Alert%20Notice%2002-2010.pdf</a>
22. <b>Meter Location /Protection</b>	Part 192.317	Customer Meters must be protected from snow and ice damage	Enforcement Policy		<a href="https://dps.mn.gov/divisions/ops/forms-documents/Documents/Alert%20Notice%2002-2010.pdf">https://dps.mn.gov/divisions/ops/forms-documents/Documents/Alert%20Notice%2002-2010.pdf</a>
23. <b>Replacement Program</b>	Part 192.489	CI/bare steel/copper replacement program (no rate adder)	Compliance Order		
24. <b>Replacement Program</b>	Part 192.703(b)	Plastic replacement program – response to issues regarding Century Pipe replacement program and mechanical fitting replacement program	Compliance Order		
25. <b>Replacement Program</b>	Part 192.353	Relocate/Replace Inside Meters to Outside Meters	Compliance Orders		Associated with failure to have readily accessible





<b>26. Design/Install Requirements</b>	Part 192.616	Minimum Model Setback Ordinance for local municipalities established for pipelines installed after 1991 that limits building within any pipeline easement	Minnesota Administrative Rules Chapter 7530 Pipeline Safety Enforcement	shut off valve 7535.0500 Model Setback Ordinance Subpart 3
<b>27. Risk Based Approaches</b>	Part 192.614 Part 192.1007	Inline inspections required to reveal cross bore of sewer laterals	MN OPS Alert Notice AL-01-2010, May 2010	<a href="#">Alert Notice AL-01-2010</a>
<b>28. State Inspection Program</b>	Part 191.22	State to maintain GIS database of pipeline operators	Minnesota Statutes Chapter 299F Fire Marshal , Section 59	Commissioner's duties and powers
<b>29. State Inspection Program</b>	Part 190.203	Inspections focused by risk	Program Plan – OPS System	Risk based inspection plan
<b>30. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

*National Association of Pipeline Safety Representatives*





## Mississippi

### Key Stats

State Agency	Mississippi Public Service Commission
Division	Pipeline Safety Division
Department	
Web	<a href="http://www.psc.state.ms.us/pipeline/pipeline.html">http://www.psc.state.ms.us/pipeline/pipeline.html</a>
Regulated Intrastate Pipeline Systems	75
Regulated Master Meter Operators	37
Regulated LNG Systems	0
Regulated LPG Operators	0
Regulated Hazardous Liquid Systems	0
Regulated Gathering Lines	1
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	6

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3	Each utility shall maintain or have available a record of interruptions of service affecting a major division of its system in this state, including a statement of the time, duration and cause of the interruption. The Commission shall be notified within 4 hours of major interruptions.	Title 39, Part III Rules And Regulations Governing Public Utility Service, Subpart 1: General Rules, Chapter 05: Continuity of Service Rule 5.	100. Record Of Interruptions  110. Report To Commission
2. <b>Enhanced Reporting</b>	Part 192.305	All construction projects > \$8K must notify Commission in writing and at least 48 hours in advance prior to construction date	Title 39, Part III Rules And Regulations Governing Public Utility Service, Subpart 4: Special Rules –Gas, Chapter 57.1: Reporting of Construction Work Rule 57.1	100
3. <b>Operating Pressure</b>	Part 192.623	Gas pressure supplied at the point of delivery shall not drop below one-half of normal	Title 39, Part III Rules And Regulations Governing Public Utility Service, Subpart	105 Variation





		pressure or exceed twice the normal pressure	4: Special Rules –Gas, Chapter 52: Pressure Rule 52.	
<b>4. Training</b>	Part 192.801	For Operators serving less than 20K customers and master meter operators: shall have either 121 hours of training or 136 hours of training with specified minimum classroom requirements and continuing educational requirements	Title 39, Part III Rules And Regulations Governing Public Utility Service, Subpart 4: Special Rules –Gas, Chapter 57.2: Natural Gas Qualification Program Purpose and Applicability, Rule 57.2	105 Operator Qualifications:
<b>5. Enhanced Record Keeping</b>	Part 192.605	Each utility shall keep and maintain reasonably adequate maps, plans, and records of its distributing system, showing the size, character, and location of each main or district regulator, street valve and drip. The utility shall endeavor to keep its records complete by making entries whenever its operations disclose the location of facilities not already accurately recorded.	Title 39, Part III Rules And Regulations Governing Public Utility Service, Subpart 1: General Rules, Chapter 04: System Operation and Records Rule 4.	115 Maps
<b>6. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections





# Missouri

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## Missouri

### Key Stats

State Agency	Missouri Public Service Commission
Division	Utility Operations
Department	Energy – Gas Safety/Engineering
Web	<a href="http://psc.mo.gov/General/Pipeline_Safety">http://psc.mo.gov/General/Pipeline_Safety</a>
Regulated Intrastate Pipeline Systems	62 (9 Private/41 Municipals/12 Intrastate Transmission)
Regulated Master Meter Operators	15
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	55

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. Enhanced Reporting	Part 191.5	Require notification of incidents within 2 hrs.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR240-40.020(4) Incident, Annual and Safety-Related Condition Reporting Requirements
2. Enhanced Reporting	Part 191.5	Require notification if damages \$10,000.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR240-40.020(4) Incident, Annual and Safety-Related Condition Reporting Requirements
3. Enhanced Reporting	Part 191.9 Part 191.11 Part 191.15 Part 191.17	Incident and Annual Reports (transmission and distribution) must be submitted to MOPSC.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR240-40.020(6), (7), (9), and (10) Incident, Annual and Safety-Related Condition Reporting Requirements





<b>4. Enhanced Reporting</b>	Part 191.11	State Report...number of odor calls, active leaks (by class), repaired leaks (by class, by material, and by cause), and classification of 3 <sup>rd</sup> party damages	Agreement	
<b>5. Enhanced Reporting</b>	Part 192.15	Require filing of all required programs with Commission including Welding Procedures and Joining Procedures	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR 240-40.030(1)(J) Safety Standards—Transportation of Gas by Pipeline – General
<b>6. Enhanced Reporting</b>	Part 192.15	Require filing of all required programs with Commission including Construction Standards	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR 240-40.030(1)(J) Safety Standards—Transportation of Gas by Pipeline – General
<b>7. Enhanced Reporting</b>	Part 192.15	Require filing of all required programs with Commission including Corrosion Control Procedures	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR 240-40.030(1)(J) Safety Standards—Transportation of Gas by Pipeline – General
<b>8. Enhanced Reporting</b>	Part 192.15	Require filing of all required programs with Commission including Damage Prevention Program	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR 240-40.030(1)(J) Safety Standards—Transportation of Gas by Pipeline – General
<b>9. Enhanced Reporting</b>	Part 192.15	Require filing of all required programs with Commission including Emergency Procedures	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter	4 CSR 240-40.030(1)(J) Safety Standards—Transportation of Gas by Pipeline – General





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			40 Gas Utilities and Gas Safety Standards	
<b>10. Enhanced Reporting</b>	Part 192.15	Require filing of all required programs with Commission including Public Awareness or Public Education Program	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR 240-40.030(1)(J) Safety Standards—Transportation of Gas by Pipeline – General
<b>11. Enhanced Reporting</b>	Part 192.15	Require filing of all required programs with Commission including Operator Qualification Program	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR 240-40.030(1)(J) Safety Standards—Transportation of Gas by Pipeline – General
<b>12. Enhanced Reporting</b>	Part 192.15	Require filing of all required programs with Commission including any Replacement Program	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR 240-40.030(1)(J) Safety Standards—Transportation of Gas by Pipeline – General
<b>13. Enhanced Reporting</b>	Part 192.15	Require filing of all required programs with Commission including Transmission Integrity Management Program	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR 240-40.030(1)(J) Safety Standards—Transportation of Gas by Pipeline – General
<b>14. Enhanced Reporting</b>	Part 192.15	Require filing of all required programs with Commission including Operation and Maintenance Procedures	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR 240-40.030(1)(J) Safety Standards—Transportation of Gas by Pipeline – General
<b>15. More Direct Oversight</b>	Part 192.3	Additional/expanded definitions for “low pressure distribution system”, “hoop stress”,	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic	4 CSR 240-40.030(1)(B) Safety Standards—Transportation of





		“fuel lines”, “feeder lines”, “CGI reading”, “sustained reading”, “follow up inspection” “high pressure distribution system” “Reading”, “Transportation of Gas”, “Tunnel”, “Vault”, “Yard Line”	Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	Gas by Pipeline – General
<b>16. Valves</b>	Part 192.181	Distribution valves spaced to provide isolation zones sized so operator can relight in 8 hours	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(4)(V) Safety Standards— Transportation of Gas by Pipeline - Design of Pipeline Components
<b>17. Valves</b>	Part 192.199	Additional requirements for unauthorized operation of valves	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(4)(EE)8. Safety Standards— Transportation of Gas by Pipeline - Design of Pipeline Components
<b>18. Valves</b>	Part 192.747	Feeder line and distribution valves must be checked for <b>accessibility</b> annually and partially operated every other year.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(13)(V) Safety Standards— Transportation of Gas by Pipeline - Maintenance
<b>19. Pressure Testing</b>	Part 192.553	Pressure to which pipeline is raised during uprating is the “test pressure” that must be divided by the appropriate factors in 192.619(a)(2)	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(11)(B)5. Safety Standards— Transportation of Gas by Pipeline - Uprating
<b>20. Operating Pressure</b>	Part 192.197	If distribution pressure > 14” WC, service regulator must have relief or OPP device capable of limiting	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division	40.030(4)(DD)1. Safety Standards— Transportation of Gas by Pipeline - Design of Pipeline





# Missouri

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		pressure to “max. safe value” to customer.	240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	Components
<b>21. Operating Pressure</b>	Part 192.197	If service regulator and monitor regulator used, must install device to indicate failure of service regulator and must be monitored	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(4)(DD)2. Safety Standards—Transportation of Gas by Pipeline - Design of Pipeline Components
<b>22. Damage Prevention</b>	Part 192.614	Notification of public along a pipeline and excavators must be at least semi-annual	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR 240-40.030(1)(I) Safety Standards—Transportation of Gas by Pipeline – General
<b>23. Operator Qualifications</b>	Part 192.803(b)	“Evaluation” consists of <b>training and</b> examination	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(12)(D)2. Safety Standards—Transportation of Gas by Pipeline - Operations
<b>24. Operator Qualifications s</b>	Part 192.805	Additional knowledge and skills required.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(12)(D)4. Safety Standards—Transportation of Gas by Pipeline - Operations
<b>25. Operator Qualifications</b>	Part 192.805	Additional requirements for trainers/evaluators	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(12)(D)5., 6. and 7. Safety Standards—Transportation of Gas by Pipeline - Operations
<b>26. Meter Location/</b>	Part 192.351	Service lines installed to building and owned,	Missouri Code of State Regulations, Title 4	40.030(8)(B) Safety Standards—





<b>Protection</b>		operated, and maintained by the operator.	Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	Transportation of Gas by Pipeline - Customer Meters, Service Regulators and Service Lines.
<b>27. Odorant</b>	Part 192.625	Natural gas in <u>all</u> intrastate transmission, distribution, and feeder lines must be odorized.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(12)(P) Safety Standards—Transportation of Gas by Pipeline - Operations
<b>28. Odorant</b>	Part 192.625	<u>Monthly</u> odor intensity test required.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(12)(P) Safety Standards—Transportation of Gas by Pipeline - Operations
<b>29. Odorant</b>	Part 192.625	<u>Yearly</u> checks at individually odorized service lines.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(12)(P) Safety Standards—Transportation of Gas by Pipeline - Operations
<b>30. Leak Tests</b>	Part 192.3	Definition of feeder line (distribution) created (>100 psig) requiring additional leak surveys.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR 240-40.030(1)(B) Safety Standards—Transportation of Gas by Pipeline - General
<b>31. Leak Tests</b>	Part 192.723	Annual leak survey for unprotected steel pipelines, 3-year leak survey for all other pipelines including service lines, and 3-year leak survey for buried fuel lines	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and	40.030(13)(M)2.B Safety Standards—Transportation of Gas by Pipeline - Maintenance





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<b>32. Leak Tests</b>	Part 192.725	If service line disconnected for the main/transmission line due to 3 <sup>rd</sup> party damage, line must be leak tested from disconnection to main/transmission line.	Gas Safety Standards Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(13)(M)2.B Safety Standards— Transportation of Gas by Pipeline - Maintenance
<b>33. Leak Tests</b>	Part 192.725	Leak Tests must ensure discovery of leaks	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(14)(B)2 & 3 Safety Standards— Transportation of Gas by Pipeline – Maintenance
<b>34. Response to Leaks</b>	Part 192.723	Extensive regulations for investigation [(14)(B)], classification (Classes 1-4) [(14)(C)], monitoring [(14)(C)] and scheduling repairs [(14)(C)], and follow-up leak survey after repairs (Class 1 and 2 Leaks) [(14)(C)] of classified leaks.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4CSR 240-40.030(14) Safety Standards— Transportation of Gas by Pipeline – Gas Leaks
<b>35. Response to Leaks</b>	Part 192.723	Restrictions on downgrading leak classifications, requirement for follow-up investigation for Class 1 and Class 2 repairs. Requires recheck repair of Class 2 leaks in 15 days.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4CSR 240-40.030(14) © for downgrading 4CSR 240-40.030(14) (B)(5) for follow ups 4CSR 240-40.030(14) ©(2) for CL 2 rechecks Safety Standards— Transportation of Gas by Pipeline – Gas Leaks
<b>36. Replacement Programs</b>	Part 192.755	When CI is disturbed or a nearby excavation places CI in angle of repose, the CI must be replaced.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter	40.030(13)(Z) Safety Standards— Transportation of Gas by Pipeline – Maintenance





			40 Gas Utilities and Gas Safety Standards	
<b>37. Replacement Programs</b>	Part 192.487 Part 192.489	Extensive requirements for replacement of unprotected steel service lines and yard lines...annual leak surveys and 10% replacement	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4CSR 240-40.030(15) Safety Standards—Transportation of Gas by Pipeline – Replacement Programs
<b>38. Replacement Programs</b>	Part 192.487 Part 192.489	Extensive requirements for replacement of cast iron mains and service lines	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4CSR 240-40.030(15) Safety Standards—Transportation of Gas by Pipeline – Replacement Programs
<b>39. Replacement Programs</b>	Part 192.487 Part 192.489	Develop prioritized replacement program (approved by Commission) based on factors in regulation-replacement/CP of unprotected steel transmission lines, feeder lines and mains.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4CSR 240-40.030(15) Safety Standards—Transportation of Gas by Pipeline – Replacement Programs
<b>40. Replacement Program</b>	Advisory Bulletins 99-02 (FR 12212) 02-07 (FR 70806) 08-02 (FR 51303)	Required replacement of Aldyl A plastic for vintages upto and including 1985 for an operator based on incident investigation and leakage rates	Missouri Public Service Commission Order 5/28/2010 referencing Docket No. GS-2005-0257	<a href="#">Joint Recommendation of Replacement by Staff and Operator dated 5/18/2010</a>
<b>41. Replacement Program</b>	Part 192.489 Part 192.487	Operators have replaced or eliminated all Cast Iron and Unprotected Steel from pipeline systems	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4CSR 240-40.030(15) Safety Standards—Transportation of Gas by Pipeline – Operations
<b>42. Extended LDC Responsibility</b>	Part 192.616	Public notified semi-annually. Customers notified by mail semi-annually. Message on customer bill 9 times/year	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service	40.030(12)(K) Safety Standards—Transportation of Gas by Pipeline - Operations





# Missouri

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			Commission, Chapter 40 Gas Utilities and Gas Safety Standards	
43. <b>Extending LDC Responsibility</b>	Part 192.517	When gas turned on...Test required for new cust.-owned fuel line -tested for leakage at delivery pressure-visual inspection of cust. piping and equipment	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(12)(S) Safety Standards—Transportation of Gas by Pipeline - Operations
44. <b>Extending LDC Responsibility</b>	Part 192.16	Also requires customer notification when moving from one operating area to another (same company)	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(1)(L) Safety Standards—Transportation of Gas by Pipeline - General
45. <b>Cathodic Protection</b>	Part 192.465	Short sections monitored <b>20% per year</b> (instead of 10%).	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(9)(I)1. Safety Standards—Transportation of Gas by Pipeline - Requirements for Corrosion Control
46. <b>Cathodic Protection</b>	Part 192.465	Corrective measures completed in 6 months.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(9)(I)4. Safety Standards—Transportation of Gas by Pipeline - Requirements for Corrosion Control
47. <b>Cathodic Protection</b>	Part 192-Appendix D	Specific requirements to <b>adequately compensate</b> (not just “consider”) for voltage (IR) drops. Must... -take reading when current interrupted on impressed system -disconnect anodes to take reading or take reading at location out of the direct influence	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	4 CSR 240-40.030 Appendix D Safety Standards—Transportation of Gas by Pipeline - Criteria for Cathodic Protection and Determination of Measurements





48. Design/Install Requirements	Part 192.53	of the anodes. Only steel and PE piping can be used for construction.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(1)(J) Safety Standards—Transportation of Gas by Pipeline - General
49. Design/Install Requirements	Part 192.181	Inlet <u>and outlet valve</u> required at regulator station	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(4)(V) Safety Standards—Transportation of Gas by Pipeline - Design of Pipeline Components
50. Design/Install Requirements	Part 192.199	Adequate Over Pressure Protection <u>at</u> each town border station and district regulator station regardless of installation date	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(4)(EE)9. Safety Standards—Transportation of Gas by Pipeline - Design of Pipeline Components
51. Design/Install Requirements	Part 192.199	If regulator and monitor regulator used, must install device to indicate failure of operating regulator and must be monitored	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(4)(EE)10. Safety Standards—Transportation of Gas by Pipeline - Design of Pipeline Components
52. Enhanced Record Keeping	Part 192.709	For feeder lines, mains, and service lines, each operator shall maintain <b>detailed</b> records pertaining to each original leak report, leak investigation, leak classification, leak surveys, line patrols for not less than <b>six (6) years</b> ; and must be able to have sufficient detail to correspond to annual DOT reports.	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(13)(F)2. Safety Standards—Transportation of Gas by Pipeline - Maintenance





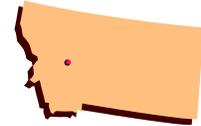
# Missouri

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<b>(Not just transmission lines)</b>				
<b>53. Enhanced Record Keeping</b>	Part 192.491	Corrosion Control records – operator must develop and maintain maps showing specific CP facilities	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(9)(I). Safety Standards— Transportation of Gas by Pipeline - Criteria for Cathodic Protection and Determination of Measurement
<b>54. Enhanced Record Keeping</b>	Part 192.517	Retain Strength Test records for service lines similar to main requirements	Missouri Code of State Regulations, Title 4 Rules of Dept of Economic Development, Division 240 Public Service Commission, Chapter 40 Gas Utilities and Gas Safety Standards	40.030(10)(I). Safety Standards— Transportation of Gas by Pipeline - Test Requirements
<b>55. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

*National Association of Pipeline Safety Representatives*





## Montana

<b>Key Stats</b>	
State Agency	Montana Public Service Commission
Division	Regulatory
Department	Public Service Regulation
Web	<a href="http://psc.mt.gov/pipeline/">http://psc.mt.gov/pipeline/</a>
Regulated Intrastate Pipeline Systems	10 (6 distribution + 4 intrastate)
Regulated Master Meter Operators	7
Regulated LNG Systems	1
Regulated Hazardous Liquid Systems	0
Regulated LPG Systems	7
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	0

### Applicable Requirement in CFR

There are no safety initiatives in Montana that are more stringent than Federal Regulations. The Montana Administrative Rule 38.5.2202 incorporates by reference the federal pipeline safety regulations only. The program continually evaluates all new initiatives and regulations to determine if something different is needed on the state level.

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## Nebraska

### Key Stats

State Agency	Nebraska State Fire Marshal
Division	Fuels / Pipeline Safety
Department	
Web	<a href="http://www.sfm.ne.gov/programs-services/fuels/pipeline/index.html">http://www.sfm.ne.gov/programs-services/fuels/pipeline/index.html</a>
Regulated Intrastate Pipeline Systems	34
Regulated Master Meter Operators	0
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	3

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.5	Require notification of incidents within 2 hrs.	Title 155 State Fire Marshal	Chapter 1 Regulations Pursuant to the NE Natural Gas pipeline safety Act of 1969; section 002; Neb. Rev. Stat. 81-542 to 81-550 (1996)
2. <b>Enhanced Reporting</b>	Part 191.5	Reportable incident includes “Any failure which results in the explosion or ignition of natural gas.”	Title 155 State Fire Marshal	Chapter 1 Regulations Pursuant to the NE Natural Gas pipeline safety Act of 1969; section 002.01Aiii; Neb. Rev. Stat. 81-542 to 81-550 (1996)
3. <b>State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections





## Nevada

Key Stats	
State Agency	Public Utilities Commission of Nevada
Division	Engineering Division
Department	Gas Pipeline Safety
Web	<a href="http://puc.nv.gov/Safety/Pipeline/">http://puc.nv.gov/Safety/Pipeline/</a>
Regulated Intrastate Pipeline Systems	2
Regulated Master Meter Operators	20
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	7

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3	Requires Incident Reports at \$5K property damage level	Nevada Administrative Code, Chapter 704, Regulation of Public Utilities Generally, Subchapter: Accident Reports	NAC 704.230 Definitions.
2. <b>Enhanced Reporting</b>	Part 191.5	Requires notification within 4 hours of outages for LPG that affect 10 or more customers	Nevada Administrative Code, Chapter 704, Regulation of Public Utilities Generally, Subchapter: Accident Reports	NAC 704.2575 Initial report: Submission; designated employee.
3. <b>Enhanced Reporting</b>	Part 191.11	Requires annual report to be filed for LPG that affect 10 or more customers [ <b>not 100 customers fed level</b> ]	Nevada Administrative Code, Chapter 704, Regulation of Public Utilities Generally, Subchapter: Accident Reports	NAC 704.534 Annual report.
4. <b>Replacement Program</b>	Part 191.3	Requires accelerated plastic replacement program for older vintage pipelines in commercial Las Vegas district	Nevada Public Utilities Commission Order dated Sept 7 2011, Docket No 11-03029	Attachment 1
5. <b>More Direct Oversight</b>	Part 192.303	Certificate of Public Convenience and Necessity is required	Nevada Administrative Code, Chapter 704, Regulation of Public	NAC 704.532 Certificate of public convenience and





# Nevada

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			for all LPG systems to construct and operate that have 10 or more customers	Utilities Generally, Subchapter: Systems For Distribution Of Liquefied Petroleum Gas	necessity.
<b>6. Replacement Program</b>	Part 190.213	Replacement of Master Meter systems with the Utility owned Distribution systems.		Nevada Public Utilities Commission Order July 10, 2013, Docket No. 13-05060  Nevada Public Utilities Commission Order May 29, 2013, Docket No. 13-04002	See Order For Details
<b>7. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits		None	Inspection Forms and Frequency Operator Inspections

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## New Hampshire

<b>Key Stats</b>	
State Agency	New Hampshire Public Utilities Commission
Division	Safety Division
Department	Safety
Web	<a href="http://www.puc.nh.gov/Safety/safety.htm">http://www.puc.nh.gov/Safety/safety.htm</a>
Regulated Intrastate Pipeline Systems	6
Regulated Master Meter Operators	1
Regulated LNG Systems	3
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	48
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	117

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.9	Requires Incident Reports of federal level within 20 days (not 30 days). Requires Incident Report at state level within 10 days.	New Hampshire Code of Administrative Rules, Chapter Puc 500 Rules For Gas Service, Part Puc 504 Quality of Gas Service	Rule 504.06 (a) (1) Incident Reporting
			Part Puc 508 Safety, Accidents and Leak Requirements	Rule 508.03 (b) Accidents
			Part Puc 509 Forms required to be Filed	Rule 509.07 E-5 Utility Accident Report
			Part Puc 512 LP and Landfill Gas Safety Standards	Rule 512.06 (b) Incident Reporting Rule 512.07 (b) Accidents
2. <b>Enhanced Reporting</b>	Part 191.3	Requires Incident Reports at \$5K level	New Hampshire Code of Administrative Rules, Chapter Puc 500 Rules For Gas Service, Part Puc 504 Quality of Gas Service	Rule 508.03 (b) (4) Accidents Rule 504.05 (a)(1) c. Emergency Notification





# New Hampshire

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Part Puc 512 LP and Landfill Gas Safety Standards	Rule 512.07 b Accidents  Rule 512.05 (a)(1) c. Emergency Notification
3. Enhanced Reporting	Part 191.5	Requires notifications of all building evacuations involving gas	New Hampshire Code of Administrative Rules, Chapter Puc 500 Rules For Gas Service, Part Puc 504 Quality of Gas Service	Rule 504.05 (a) (3) Emergency Notifications
			Part Puc 512 LP and Landfill Gas Safety Standards	Rule 512.05 (a) (3) Emergency Notifications
4. Enhanced Reporting	Part 191.5	Requires notifications of any outage occurring at a state, federal, or municipal facility, hospital, school or other facility in which the public could be affected	New Hampshire Code of Administrative Rules, Chapter Puc 500 Rules For Gas Service, Part Puc 504 Quality of Gas Service	Rule 504.05 (a) (5) Emergency Notifications
			Part Puc 512 LP and Landfill Gas Safety Standards	Rule 512.05 (a) (5) Emergency Notifications
5. Enhanced Reporting	Part 192.614 Part 191.3	Requires filing of damage resulting from 3 <sup>rd</sup> party excavation with Commission	New Hampshire Code of Administrative Rules, Chapter Puc 800 Underground Utility Damage Prevention Program, Part Puc 804 Duties of Operators	Rule§ 804.01(a) Reporting Requirements For Operators Of Underground Facilities
6. Enhanced Reporting	Part 191.5	Requires notification of all security breaches that jeopardize the operation of a major facility	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 504 Quality of Gas Service	Rule 504.05 (a) (6) Emergency Notifications
7. Enhanced Reporting	Part 191.5	Requires notification of a breach of security or other threat that jeopardizes the operation of a LP jurisdictional facility of aggregate capacity	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 512 LP and Landfill Gas Safety Standards	Rule 512.05 (a) (6) Emergency Notifications





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		greater than 6,000 gallons;		
8. Enhanced Reporting	Part 191.5	Requires notification of any gas facility-related event, that the utility is aware of or has reason to believe has been or will be reported in the news media, i.e. shutdown of a major highway, arterial roadway or rail system, or where a person identified as a news reporter was present	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 504 Quality of Gas Service	Rule 504.05 (a) (8) Emergency Notifications
9. Enhanced Reporting	Part 191.5	Requires notification of any inadequate odorization level	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 504 Quality of Gas Service	Rule 504.05 (a) (9) Emergency Notifications
10. Enhanced Reporting	Part 192.603 Part 192.305	Requires quarterly submission of organizational chart for duties involving design, operations, construction, maintenance, corrosion control, service, training, gas control, dispatch of field personnel and production of gas	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 14 Contact Information
11. Enhanced Reporting	Part 192.1007(e)	Requires annual report of Cast Iron & Bare Steel Replacement Reporting by Segment Location, Town, Diameter, Age, Pressure and expenditure	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 20 Cast Iron Bare Steel Replacement Program
12. Enhanced Reporting	Part 191.5	Requires Reports of all outages greater than 50 customer hours	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part	Rule 504.05 (a) (4) Emergency Notifications





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Puc 504 Quality of Gas Service	
			Part Puc 512 LP and Landfill Gas Safety Standards	Rule 512.05 (a) (4) Emergency Notifications
<b>13. Enhanced Reporting</b>	Part 192.623	Requires Commission Notification of Pressure Complaints (too low/too high)	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 504 Quality of Gas Service	Rule 504.03 (g) Pressure Requirements
<b>14. Enhanced Reporting</b>	Part 192.623	Requires annual filing of a load Curtailment Plan for entire system	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 5 Load Curtailment Plan
<b>15. Enhanced Reporting</b>	Part 192.723	Requires Monthly Status Reports of Leak Summary for each classification of Leak: Quantity Repaired, Quantity Added Quantity Remaining	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 504 Quality of Gas Service	Rule 504.06 (a) (2) Incident Reporting
			Part Puc 509 Forms required to be Filed	Rule 509.15 (d) Status of Leaks
<b>16. Enhanced Reporting</b>	Part 192.723	Requires Monthly Report of Leaks on System with 14 associated items per leak to be submitted	NH PUC Order May 30 2012 Order # 25370 D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 19 Leak Reporting
			Part Puc 509 Forms required to be Filed	Rule 509.15 (d) Rule 509.15 (e) Status of Leaks
<b>17. Enhanced Reporting</b>	Part 191.11	Leaks classified as other on Form PHMSA F 7100.1-1, "Annual Report For Calendar	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part	Rule 509.15 (f) Status of Leaks





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		Year 20__ - Gas Distribution System must be clearly explained	Puc 509 Forms Required to be Filed	
<b>18. Enhanced Reporting</b>	Part 192.603	Requires electronic access of latest O&M Plans for Commission	NH PUC Order May 30 2012 Order # 25370 D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 6 Internet/Intranet Access of Operations Manuals and Procedures
<b>19. Enhanced Reporting</b>	Part 192.603	Requires Annual filing of O&M Plans with Commission	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (r) (3) Construction, Operations & Maintenance
<b>20. Enhanced Reporting</b>	Part 192.615	Requires Annual filing of Emergency Plans with Commission	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (r) (3) Construction, Operations & Maintenance
<b>21. Enhanced Reporting</b>	Part 192.305	Requires Annual filing of Quality Assurance Plans with Commission	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 9 Outside Contractor Activities
<b>22. Enhanced Reporting</b>	Part 192.1005 Part 192.907	Requires filing of Integrity Management Plans (Distribution and Transmission ) amendments with Commission	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (t) (2) Construction, Operations & Maintenance
<b>23. Enhanced Reporting</b>	Part 192.616	Requires filing of Public Awareness Plan amendments with	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules	Rule 506.02 (t) (2) Construction, Operations &





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		Commission	For Gas Service, Part Puc 506 Equipment and Facilities	Maintenance
<b>24. Enhanced Reporting</b>	Part 192.805	Requires filing of Operator Qualification Plan amendments with Commission	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (t) (2) Construction, Operations & Maintenance
<b>25. Enhanced Record Keeping</b>	Part 192.517	Pressure Tests must be conducted, recorded and submitted to the Commission for any change of 10% or more made in operating pressure	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (q) Construction, Operations & Maintenance
<b>26. Enhanced Reporting</b>	Part 192.615	Requires Monthly Reporting of Response Times to Emergency/Odor Complaints /Leaks and sets criteria for acceptable Response Times and requires explanation of any exceedance with remedial actions to prevent reoccurrence	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040  NH PUC Order Oct 10 2008 Order # 24906 D# DG 08-048  New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 504 Emergency Response	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 18 Emergency Response Time Standards  Article VI, 6.6  Rule 504.06 (a) (2) Incident Reporting Rule 504.07 (b) Emergency Response Time Reporting
<b>27. Enhanced Reporting</b>	Part 192.615	Requires Monthly Reporting of each Response to Emergency/Odor Complaints /Leaks with 18 characteristics for each response to be included	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 18 Emergency





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			NH PUC Order Oct 10 2008 Order # 24906 D# DG 08-048	Response Time Standards  Article VI, 6.6
<b>28. Enhanced Reporting</b>	Advisory Bulletins 99-02 (FR 12212) 02-07 (FR 70806) 08-02 (FR 51303)	Requires Annual filing of failures for Plastic Aldyl A, Requires annual filing of pipe segments by street address and diameter, and age, (mains and services) containing Aldyl A and any remedial actions taken	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 13 Aldyl A Plastic Pipe
<b>29. Enhanced Reporting</b>	Part 191.11	Requires Annual Reporting of total Operational and Maintenance Activity Hours	NH PUC Order Oct 10 2008 Order # 24906 D# DG 08-048	Article VI, 6.2
<b>30. Enhanced Reporting</b>	Part 192.305	Requires Annual Report of Proposed Project Additions, Extensions, Improvements to Capital of Gas Utility	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 509 Forms to be Filed by All Utilities	Rule 509.11 Capital Improvements
<b>31. Enhanced Reporting</b>	Part 191.11	Each LPG operator shall submit to the safety division within 30 days after notice of all newly installed, acquired, transferred or discontinued jurisdictional system	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 512 LP and Landfill Gas Safety Standards	Rule 512.03 Jurisdictional LP Gas Facilities Report
<b>32. Enhanced Reporting</b>	Part 192.319	Requires Safety Division 10 days notification prior to construction of any Railroad, Public Waters or Highway Xing if Operating Pressure is greater than 60 psig	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (e) Construction, Operations & Maintenance
<b>33. Enhanced Reporting</b>	Part 192 305	Requires monthly updated list of names and contact information of company personnel designated to have	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		responsibility for gas safety related issues and for the management and resolution of gas safety complaints		Requirements and Conditions Item 14 Contact Information
<b>34. More Direct Oversight</b>	Part 192 305	Requires a written Quality Assurance Plan for ensuring installation according to company construction practices and specifications	Requires Annual filing of Quality Assurance Plans with Commission	Rule 506.02 (v) Construction, Operations & Maintenance
<b>35. More Direct Oversight</b>	Part 192 305	Requires daily by 8:30 am reporting of construction activities for Commission inspections	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 14 Contact Information
		Requires weekly report of planned construction activities for following week inspections	NH PUC Order Oct 10 2008 Order # 24906 D# DG 08-048	Article VI, 6.7
<b>36. More Direct Oversight</b>	Part 192 305	Limits span of control for oversight of outside construction crews	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 9 Outside Contractor Activities
		Minimum required in-house personnel to outside contractor at 1:4 ratio	NH PUC Order Oct 10 2008 Order # 24906 D# DG 08-048	Article VI, 6.8
<b>37. More Direct Oversight</b>	Part 192 305	Requires inspection of outside construction crews by the pipeline operator	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (r) (5) Construction, Operations & Maintenance
<b>38. More Direct Oversight</b>	Part 192 305 Part 192.605	Operator shall follow all written company policies, guidelines, construction specifications, technical instructions, training	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		manuals, construction standards, procedure manuals, operation and maintenance plans, integrity management plans, distribution integrity management plans, quality assurance plans, drug and alcohol plans, and any other written document that is equivalent in nature to those listed, that relate to the integrity of any distribution or transmission pipeline facility, LNG production or vaporization facility, LPG/Air production facility or LPG Bulk Tank Storage facility		Conditions Item 7 Adherence to Company Written Procedures
<b>39. Valves</b>	Part 192.181	Sets Criteria for locations of Critical Valves, limits maximum number of downstream customers affected and requires sectionalizing based on relighting completed within 12 hours	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040  NH PUC Order Oct 10 2008 Order # 24906 D# DG 08-048	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 2 Designation of Critical Valves for Gas Pipelines  Article VI, 6.3
<b>40. Valves</b>	Part 192.181	Requires Critical valves sectionalizing at airports to minimize interruption of airport operations	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 2 Designation of Critical Valves for Gas Pipelines
<b>41. Valves</b>	Part 192.181	Sets specific criteria	NH PUC Order May 30	Settlement





# New Hampshire

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		and locations of Critical Valves required at all rail, highway and water crossings, take stations and regulator stations	2012 Order # 25370, D# DG 11-040	Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 2 Designation of Critical Valves for Gas Pipelines
42. Valves	Part 192.181	Requires 60 day notification of change in quantity of Critical Valves if the amount is +/- 5%	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 2 Designation of Critical Valves for Gas Pipelines
43. Valves	Part 192.181	Any valve that operates at greater than 60 psig shall be designated Critical Valve and maintained for rapid closure	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 2 Designation of Critical Valves for Gas Pipelines
44. Valves	Part 192.747	Any alternative Critical Valve that is found inoperable must meet designation criteria set for Critical Valves and defines remedial action to be taken within 60 days	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 3 Maintenance of Critical Valves
45. Valves	Part 192.747	Critical Valves must be readily accessible (not paved over or valve boxes full of debris)	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 3 Maintenance of Critical Valves
46. Valves	Part 192.747	Requires notification	NH PUC Order May 30	Settlement





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		within 30 days of discovery of inoperable Critical Valve	2012 Order # 25370, D# DG 11-040	Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 3 Maintenance of Critical Valves
<b>47. Operating Pressure</b>	Part 192.623	Limits pressures at outlet of meter to minimum of 4 in w.c. and maximum of 13.5 in w.c.	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 504 Quality of Gas Service	Rule 504.03 (a) (b) Pressure Requirements
<b>48. Operating Pressure</b>	Part 192.739	Operators shall inspect pressure regulating stations monthly to ensure proper operation and to confirm the proper operation of the regulating equipment	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (p) Pipeline Safety Standards
<b>49. Operating Pressure</b>	Part 192.623	Limits pressures for LPG operators with pipe within a building to same as NFPA 54	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 512 LP and Landfill Gas Safety Standards	Rule 512.08 Construction, Operations & Maintenance
<b>50. Operating Pressure</b>	Part 191.5	Requires notification of any exceedance of maximum allowable operating pressure of any duration, including accidental overpressurizations	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 504 Quality of Gas Service	Rule 504.05 (a) (7) Emergency Notifications
<b>51. Damage Prevention</b>	Part 192.614 Part 190.221	States Commission Safety Division is enforcement authority for all underground damage prevention rules of NH	New Hampshire Code of Administrative Rules Chapter Puc 800 Underground Utility Damage Prevention Program, Part Puc 807 Enforcement Procedures	Rule 807.01 to Rule 807.07 Enforcement Authority
<b>52. Damage Prevention</b>	Part 192.614	Limits Marking and Locator Duties to only In house Personnel (No	NH RSA 374.55 NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012





# New Hampshire

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		outside Contractors are permitted)		Attachment J Gas Safety Requirements and Conditions Item 10 Marking of Underground Facilities
53. <b>Damage Prevention</b>	Part 192.801 Part 192.614	Requires locators be trained to NULCA or equivalent and knowledgeable of NH Damage Prevention Regulations	NH PUC Order Oct 10 2008 Order # 24906 D# DG 08-048  New Hampshire Code of Administrative Rules, Chapter Puc 800 Underground Utility Damage Prevention Program, Part Puc 804 Duties of Operators	Article VI, 6.5  Rule 804.03 (a) Rule 804.03 (b) Training of Locators
54. <b>Operator Qualifications</b>	Part 192.803	Requires identifying and listing specific abnormal operating conditions for each covered task and providing master matrix to construction and O&M procedures.	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040  New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 8 Operator Qualification Compliance Plan  Rule 506.02 (u) Construction, Operations & Maintenance
55. <b>Operator Qualifications</b>	Part 192.801	Requires Operator Qualifications for New Construction	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (c) (2) Pressure Requirements
56. <b>Meter Location/Protection</b>	Part 192.353	Customer Meters must be located at Building wall or Structure	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040  NH PUC Order Oct 10 2008 Order # 24906 D# DG 08-048	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 11 Ownership of System





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
57. <b>Meter Location/Protection</b>	Part 192.353	Upon a customer complaint of an imminent safety hazard involving accumulated snow or falling snow/ice potentially damaging a natural gas meter and related appurtenances, the operator shall take prompt action within 24 hours to alleviate the potential threat.	107NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Article VI, 6.1 Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 16 Meter Protection from Snow and Ice
58. <b>Meter Location/Protection</b>	Part 192.353	Meters shall be protected from anticipated or potential dangers, including but not limited to vehicles, flooding, ice, snow, corrosion,	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 505 Meter Installation, Accuracy and Testing	Rule 505.01 (c) Meter Installations
59. <b>Meter Location/Protection</b>	Part 191.3	No new master meter systems can be installed without approval of Commission	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 505 Meter Installation, Accuracy and Testing	Rule 505.01 (d) Meter Installations
60. <b>Meter Location/Protection</b>	Part 192.361	Service Lines must be <b>owned</b> by the operator	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040  NH PUC Order Oct 10 2008 Order # 24906 D# DG 08-048	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 11 Ownership of System  Article VI, 6.1
61. <b>Odorant</b>	Part 192.625	Requires operator to have capability (equipment) for injecting odorant into distribution and transmission system regardless of class location	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040  New Hampshire Code of Administrative Rules	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 15 Odorization





# New Hampshire

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (n) (6) Construction, Operations & Maintenance
<b>62. Odorant</b>	Part 192.625	All odorant reads shall be taken within system on a monthly basis and/or weekly at production facilities	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 15 Odorization
			New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (n) (6) Construction, Operations & Maintenance
<b>63. Odorant</b>	Part 192.625	All pressure systems including upstream and downstream from regulator pits shall have odorant reads taken	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 15 Odorization
<b>64. Odorant</b>	Part 192.625	All odorant reads shall be taken at endpoints (furthest downstream point)	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 15 Odorization
			New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (n) (6) Construction, Operations & Maintenance
<b>65. Odorant</b>	Part 192.625	All odorant testing equipment shall be calibrated	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 15 Odorization
			New Hampshire Code of Administrative Rules Chapter Puc 500 Rules	Rule 506.02 (n) (6)





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			For Gas Service, Part Puc 506 Equipment and Facilities	Construction, Operations & Maintenance
<b>66. Leak Tests</b>	Part 192.723	Requires repeated leak surveys of cast iron main lines during the months when frost is in the ground (winter period)	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 508 Safety, Accident and Leakage Requirements	Rule 508.04 (d) Leakage Surveys
<b>67. Leak Tests</b>	Part 192.723	Business Districts is defined in NH with more specificity	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 508 Safety, Accident and Leakage Requirements	Rule 508.04 (b) Leakage Surveys
			Part Puc 512 LP and Landfill Gas Safety Standards	Rule 512.14 (b) Leakage Surveys and Inspections
<b>68. Leak Tests</b>	Part 192.723	Each LPG operator shall conduct a leakage survey upon a change in gas supplier.	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Puc 512 LP and Landfill Gas Safety Standards	Rule 512.14 (e) Leakage Surveys and Inspections
<b>69. Leak Tests</b>	Part 192.723	Services for Public and Municipal Buildings, Hospitals and downtown areas need leak surveyed inside and out each year between Mar 1 through Dec 1	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 508 Safety, Accident and Leakage Requirements	Rule 508.04 (g) Leakage Surveys
<b>70. Leak Tests</b>	Part 192.721	Bridges and other locations and structures where physical movement or loading cold cause failure or leakage must be leak surveyed 3 times per year	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 508 Safety, Accident and Leakage Requirements	Rule 508.04 (f) Leakage Surveys
<b>71. Response to Leaks</b>	Part 192.723	Leak Classification System and Required timeline for Repairs	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 508 Safety,	Rule 508.04 (m) Leakage Surveys





# New Hampshire

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Accident and Leakage Requirements	
72. Response to Leaks	Part 192.723	Leak Classification System for LPG operators shall be consistent with 1983 ASME B31.8 Appendix G-11 A.	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 512 LP and Landfill Gas Safety Standards	Rule 512.14 (m) Leakage Surveys and Inspections
73. Response to Leaks	Part 192.723	Downgrading of Leaks is not allowed. (Applicable to a single operator.)	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 17 Leak Classification and Grade 3 Leak Reduction Program
74. Response to Leaks	Part 192.723	Downgrading of Leaks from Class 2 to 3 is limited to 6 leaks annually	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 508 Safety, Accidents and Leakage Surveys	Rule 508.04 (q) Leakage Surveys and Inspections
75. Response to Leaks	Part 192.723	A recheck of a repaired Class 3 Leak shall be completed within 30 days from the date the Class 3 Leak is repaired	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 17 Leak Classification and Class 3 Leak Reduction Program
76. Response to Leaks	Part 192.723	A recheck of a repaired Class 1 Leak shall be completed within 30 days from the date the Class 1 Leak is repaired	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 508 Safety, Accidents and Leakage Surveys	Rule 508.04 (n) (3) Leakage Surveys and Inspections
77. Response to Leaks	Part 192.617	Prescribes a Leak Reduction Program of approximately 2/3 of Class 3 leaks over a 10 year period	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
				Requirements and Conditions Item 17 Leak Classification and Class 3 Leak Reduction Program
<b>78. Response to Leaks</b>	Part 192.615	Prescribes Standards for Response Times to Emergency/Leaks/Odor Complaints/Evacuations	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040  NH PUC Order Oct 10 2008 Order # 24906 D# DG 08-048	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 12 Cast Iron Encroachment Policy  Article VI, 6.6
<b>79. Replacement Program</b>	Part 192.755	Requires replacement of Cast Iron when encroached upon by outside construction activities	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 12 Cast Iron Encroachment Policy
<b>80. Replacement Program</b>	Part 192.489	Requires Cast Iron/Bare Steel mains and services Accelerated Replacement Program with Rate Adder	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 20 Cast Iron Bare Steel Replacement Program
<b>81. Replacement Program</b>	Part 192.487	Requires Bare Steel mains and services Accelerated Replacement Program with No Rate Adder	NH PUC Order Oct 10 2008 Order # 24906 D# DG 08-048	Article VI, 6.4
<b>82. Authority Beyond OPS</b>	None	Safety Division routinely participates with Gas Division on Rate Cases and files Witness Testimony	New Hampshire Code of Administrative Rules Chapter Puc 200 Procedural Rules, Part Puc 203 Adjudicative Proceedings	Rule 203.01 through Rule 204.24





# New Hampshire

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
83. External/Internal Corrosion	Part 192.463	Each utility shall take remedial action within 3 months to correct or make substantial progress toward correction of any deficiencies indicated by monitoring of cathodically protected pipelines	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (w) Construction, Operations & Maintenance
84. Design/Install Requirements	Part 192.229	Welders need to have a destructive test preformed on welds at least every 5 years in order to be qualified.	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (d) Pipeline Safety Standards
85. Design/Install Requirements	Part 192.229	Welders need to be qualified to the current edition of API 1104 that is incorporated into the latest edition of the federal pipeline safety code.	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (d) Pipeline Safety Standards
86. Design/Install Requirements	Part 192.229	No utility shall permit a welder to weld with a particular welding process unless the welder has engaged in welding with that process within the preceding <b>6 calendar months</b> ( <i>Not 7.5 months</i> )	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (d) Pipeline Safety Standards
87. Design/Install Requirements	Part 192.241	<b>All</b> welds shall be visually inspected by a qualified welding inspector	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (e) Pipeline Safety Standards
88. Design/Install Requirements	Part 192.241	At least 10% to 20% of welds must be non-destructively tested for projects consisting of 5 to 9 welds. For projects consisting of greater than 10 welds, at least 10% of welds must be nondestructively tested	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (f) Pipeline Safety Standards





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>89. Design/Install Requirements</b>	Part 192.307 Part 192.311	Inspection of Materials as required by 49 C.F.R §192.307 and Repair of Pipe as required by 49 C.F.R §192.311 shall be applicable to all plastic pipelines including services	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (j) Pipeline Safety Standards
<b>90. Design/Install Requirements</b>	Part 192.141 Part 192.221 Part 192.271 Part 192.301 Part 192.605	All equipment used in construction, operations and maintenance activity shall be calibrated according to manufacturers' recommendations	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (k) Rule 506.01 (l) Pipeline Safety Standards
<b>91. Design/Install Requirements</b>	Part 192.361	Service lines shall be installed at minimum 18 inches depth at all locations unless covered with steel plate or concrete padding when not achieved	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (m) Pipeline Safety Standards
<b>92. Design/Install Requirements</b>	Part 192.357	Service regulators must be installed more than 3 feet away from source of ignition, opening of building, air intakes. If encroachment by facility owner, vent extended within 90 days	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (n) Pipeline Safety Standards
<b>93. Design/Install Requirements</b>	Part 192.319	Pipelines shall be laid on continuous bedding consisting of suitable rock free materials or well compacted soil. No blocking used for support of plastic piping allowed	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (o) Pipeline Safety Standards
<b>94. Design/Install Requirements</b>	Part 192.199	If regulator and monitor regulator used, must install device to indicate failure of operating regulator and must be monitored	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (p) Pipeline Safety Standards
<b>95. Design/Install Requirements</b>	Part 192.707	Each customer meter, gas regulating station, or any aboveground gas	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules	Rule 506.01 (q) Pipeline Safety Standards





# New Hampshire

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		transporting facility shall be permanently marked to identify the operator's name	For Gas Service, Part Puc 506 Equipment and Facilities	
96. Design/Install Requirements	Part 192.707	All gas regulator stations (including below ground) and above ground gas transporting facilities must be permanently marked and include contact information for emergencies by July 2016	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (r) Rule 506.01 (s) Pipeline Safety Standards
97. Design/Install Requirements	Part 192.741	Pressure variations are required to be recorded. Telemeters shall be installed on systems that feed 150 or more customers including single fed distribution systems	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (t) Pipeline Safety Standards
98. Design/Install Requirements	Part 192.629	Purging operations shall comply with the requirements for purging pipelines established by the Purging Principles and Practice, 2001 edition, of the American Gas Association	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (i) Construction, Operations & Maintenance
99. Design/Install Requirements	Part 192.325	Requires 12 inches of clearance from any underground structure	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (b) Construction, Operations & Maintenance
100. Design/Install Requirements	Part 192.325	No new pipeline installation shall be made in any non-accessible areas under any building after July 1, 2013	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (c) Construction, Operations & Maintenance
101. Design/Install Requirements	Part 192.325	Written construction procedures shall include specific provisions for directional drilling and	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and	Rule 506.02 (d) Construction, Operations & Maintenance





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		other trenchless technology installation methods	Facilities	
<b>102. Design/Install Requirements</b>	Part 192.325	Preference shall be given to crossing over rather than under such structure when interference with other structures is encountered	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (f) Construction, Operations & Maintenance
<b>103. Risk Based Approach</b>	Part 192.1007	Requires Annual Evaluation of Threats/Risks	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 20 Cast Iron Bare Steel Replacement Program
<b>104. Enhanced Record Keeping</b>	Advisory Bulletin 95-02	Each utility shall develop and maintain a written security plan outlining actions necessary to protect the utility's facilities from breeches of security or sabotage	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (s) Construction, Operations & Maintenance
<b>105. Enhanced Record Keeping</b>	Part 192.605	Requires records of GPS coordinates of exposed pipe, newly installed pipe after July 1 2013, including street valve, service connection, vertical offsets, tees, tapping tees, valve stems, blowoff locations, crossings of other utilities and all Critical Valves regardless of exposure	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 4 Record of Facility Locations and Transition to Global Positioning System (GPS) Integration
<b>106. Enhanced Record Keeping</b>	Part 192.517	Pressure Test records must also include: Date Material Type and Fitting Type Tested Location of Segment	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (o) Construction, Operations & Maintenance





# New Hampshire

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		begin and end points Normal & Maximum operating pressure pipeline will be subjected to		
<b>107. Enhanced Record Keeping</b>	Part 192.625	All odorant logs of injection levels and sniff tests and calibration records must be kept on file for 5 years.	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 15 Odorization
<b>108. Enhanced Record Keeping</b>	Part 192.625	Operator shall maintain a suitable log showing the quantity of odorant added and the volume of gas odorized.	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 15 Odorization
<b>109. Enhanced Record Keeping</b>	Part 192.727	Requires recording locations of mains and services abandoned after Feb 2005 on maps	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (k) Rule 506.02 (l) Construction, Operations & Maintenance
<b>110. Enhanced Record Keeping</b>	Part 192.327 Part 192.361	Installation of protective devices for cover of mains and services shall be documented and records kept for the life of the pipeline	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.01 (m) Pipeline Safety Standards
<b>111. Enhanced Record Keeping</b>	Part 192.325	Clearances less than 12 inches shall be documented and records kept for the life of the pipeline.	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (b) Construction, Operations & Maintenance
<b>112. Enhanced Record Keeping</b>	Part 192.723	Leak records shall contain 10 details of discovery, evaluation or revaluation, repair and recheck when necessary	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 508 Safety, Accident and Leakage Requirements	Rule 508.05 (c) Leakage Record-Keeping and Reporting
<b>113. Enhanced</b>	Part 192.723	Requires annual map	NH PUC Order May 30	Settlement





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Record Keeping</b>		showing Leak Progression Mapping with Annual Summary of Leaks	2012 Order # 25370 D# DG 11-040	Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 19 Leak Reporting
<b>114. Enhanced Record Keeping</b>	Part 192.747	Requires annual submission of maps designating Critical Valves and Isolation Areas. Maps shall have integrated GPS coordinates of Critical Valves	NH PUC Order May 30 2012 Order # 25370, D# DG 11-040	Settlement Agreement April 9 2012 Attachment J Gas Safety Requirements and Conditions Item 3 Maintenance of Critical Valves, Item 4 Record of Facility Locations and Transition to Global Positioning System (GPS) Integration
<b>115. Enhanced Record Keeping</b>	Part 192.517	All pipelines including service lines and plastic mains are required to keep pressure test records for life of pipeline	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (o) Construction, Operations & Maintenance
<b>116. Inactive Services</b>	Part 192.727	Inactive Service must be cutoff if older than 2 years of inactive service for CI/BS mains and 10 years if cathodically protected, Coated Steel or Plastic mains	New Hampshire Code of Administrative Rules Chapter Puc 500 Rules For Gas Service, Part Puc 506 Equipment and Facilities	Rule 506.02 (j) Construction, Operations & Maintenance
<b>117. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections





## New Jersey

### Key Stats

State Agency	New Jersey Board of Public Utilities
Division	Reliability & Security
Department	Pipeline Safety
Web	<a href="http://www.state.nj.us/bpu/about/divisions/reliability/">http://www.state.nj.us/bpu/about/divisions/reliability/</a>
Regulated Intrastate Pipeline Systems	4
Regulated Master Meter Operators	38
Regulated LNG Systems	5
Regulated Hazardous Liquid Systems	n/a
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	51

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.1	Requires Incident Reports at \$5K level	New Jersey Administrative Code Title 14 Public Utilities Chapter 3 All Utilities Sub Chapter 6 Records and Reporting (NJ A.C.)	§ 14:3-6.4 (b) Accidents-initial reporting
2. <b>Enhanced Reporting</b>	Part 191.1	Requires reporting of suspicious acts	New Jersey Administrative Code Title 14 Public Utilities Chapter 3 All Utilities Sub Chapter 6 Records and Reporting (NJ A.C.)	§ 14:3-6.6 Reporting Suspicious Acts
3. <b>Enhanced Reporting</b>	Part 191.1	Requires reporting service interruptions of 2 hrs or more affecting 100 or more customers	New Jersey Administrative Code Title 14 Public Utilities Chapter 3 All Utilities Sub Chapter 3 Service (NJ A.C.)	§ 14:3-3.7 Interruptions of Service
4. <b>Enhanced Reporting</b>	Part 191.11	Requires annual leak status report	New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of	§ 14:7-1.26 Operator Reporting Requirements





				Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	
5.	<b>Enhanced Reporting</b>	Part 192.603	Requires O&M manual to be filed	New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.23 Review of Operating and Maintenance Standards
6.	<b>Enhanced Reporting</b>	Part 192.615	Requires emergency response plans to be Filed for Transmission Lines	New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.10 (d) Valve Assessment and Emergency Closure Plan – Transmission Pipelines
7.	<b>Enhanced Reporting</b>	Part 191.1	Requires qtly reporting of leaks or other conditions that may affect safety or operations	New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.20 (f) Monthly Inspection Patrols and Leak Detection Surveys
8.	<b>Enhanced Reporting</b>	Part 191.1	Requires report of pipeline specs for projects in excess of 125 psig p	New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines	§ 14:7-1.18 Proposed Construction





# New Jersey

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(NJ A.C.)				
<b>9. Enhanced Reporting</b>	Part 191.22	Requires notification and Agency approval of a public utility merger, consolidation, acquisition and/or change in control.	State Statute N.J.S.A. 47:1A-1 et seq., 48:2-12 and 52:27F-18. New Jersey Administrative Code Title 14 Public Utilities	§ 14:1-5.14. Petitions for approval of a merger, consolidation, acquisition and/or change in control.
<b>10. More Direct Oversight</b>	Part 192.501 Part 192.503 Part 192.505 Part 192.507 Part 192.509 Part 192.511 Part 192.513 Part 192.515 Part 192.517	Requires report 1 month after pressure test certifying that the pipeline meets federal code	New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.14 (f) Pressure Testing
<b>11. More Direct Oversight</b>	Part 192.501	Requires notification at least 3 business days prior to pressure testing of any gas transmission pipeline	New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.14 Pressure Testing
<b>12. More Direct Oversight</b>	Part 192.301	Requires quality assurance/quality control audits and records of work for both employees and contractors	New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.24 Oversight of Construction Activity
<b>13. More Direct Oversight</b>	Part 192.301	Requires construction activity inspections of contractors at least once each work day	New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1	§ 14:7-1.24(b) Oversight of Construction Activity





			Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	
<b>14. More Direct Oversight</b>	Part 192.301	Requires any construction work performed by contractors to be inspected by the utility	New Jersey Administrative Code Title 14 Public Utilities Chapter 3 All Utilities Sub Chapter 2 Plant (NJ A.C.)	§ 14:3-2.2 Inspection of Work Performed by Contractors
<b>15. Valves</b>	Part 192.179 Part 192.615 Part 192.745	Requires each valve to be assessed individually. Lists 11 factors to classify valves. Calls for annual updates to the plan and annual requirements of emergency valve closure drill	New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.10 Valve Assessment and Emergency Closure Plan – Transmission Pipelines
<b>16. Valves</b>	Part 192.365	Requires existing service lines with no valves to have valves installed when repairs are made that require excavation	New Jersey Administrative Code Title 14 Public Utilities Chapter 6 Gas Service Sub Chapter 2 Plant (NJ A.C.)	§ 14:6-2.4 Service Line Valves
<b>17. Pressure Tests</b>	Part 192.501 Part 192.503 Part 192.505 Part 192.507 Part 192.509 Part 192.511 Part 192.513 Part 192.515 Part 192.517 Part 192.719 Part 192.725	Requires test pressure for transmission pipelines be maintained wherever possible for a period of 24hrs	New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.14 Pressure Testing
<b>18. Operating Pressure</b>	Part 192.359	Requires pressure variations within 24 hr period not to exceed 50% above or below utilization pressures	New Jersey Administrative Code Title 14 Public Utilities, Chapter 6 Gas Service Sub Chapter 3 Service (NJ A.C.)	§ 14:6-3.4 Pressure Requirements
<b>19. Damage Prevention</b>	Part 192.614	Requires on-site inspection for transmission pipelines	New Jersey Administrative Code Title 14 Public Utilities,	§ 14:7-1.22 Damage Prevention





# New Jersey

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			immediately prior to and during excavation or backfilling & documentation of its inspection oversight	Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	
<b>20.</b>	<b>Damage Prevention</b>	Part 192.614	Requires yellow subsurface warning tape above transmission or distribution pipeline whenever the pipeline is installed, repaired or replaced	New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.11 (f) Installation of Pipe
<b>21.</b>	<b>Damage Prevention</b>	Part 192 .614	Requires pipes less than 16 inches in diameter to be installed with one 6-inch wide tape and pipes of 16 inches or more installed with one 12-inch wide tape or two 6-inch wide tapes installed side by side	New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.11 (f) Installation of Pipe
<b>22.</b>	<b>Damage Prevention</b>	Part 192 .321	Requires #12 tracer wire for direct burial & # 10 wire for boring or drilling	New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.11 (e) Installation of Pipe
<b>23.</b>	<b>Damage Prevention</b>	Part 192.614	Establishes the Underground Facility Protection Act. Designates NJBPU to enforce regulations and impose penalties	New Jersey Statute Title 48 Public Utilities, Chapter 48:2-73, Underground Facility Protection Act	Section 1-19
<b>24.</b>	<b>Training</b>	Part 192.181	Requires training of all operator-qualified employees on	New Jersey Administrative Code Title 14 Public Utilities,	§ 14:6-2.5 Emergency Shutdown





		procedures to reduce or stop flow of gas during an emergency. Only operator-qualified employees are allowed to perform these procedures.	Chapter 6 Gas Service , Sub Chapter 2 Plant (N.J.A.C.)	
<b>25. Meter Location/Protection</b>	Part 192.353	Requires adequate protection for high pressure meters located three feet or less from a vehicle zone and not protected by an EFV	New Jersey Administrative Code Title 14 Public Utilities, Chapter 6 Gas Service , Sub Chapter 7 Protecting High Pressure Gas Meters from Vehicular & Other Damage (N.J.A.C.)	§ 14:6-7.3 New Residential Construction  § 14:6-7.4 non-residential Construction  § 14:6-7.5 Residential service replacement  § 14:6-7.6 non-residential service replacement
<b>26. Meter Location/Protection</b>	Part 192.351	Does not allow a gas meter to remain in service for a period longer than 10 years	New Jersey Administrative Code Title 14 Public Utilities, Chapter 6 Gas Service , Sub Chapter 4 Meters (N.J.A.C.)	§ 14:6-4.2 Periodic Meter Testing
<b>27. Meter Location/Protection</b>	Part 192.351	No gas utility in this State shall provide gas service to a newly developed master meter system after	New Jersey Administrative Code Title 14 Public Utilities, Chapter 6 Gas Service , Sub Chapter 6 Master Meters Systems (NJ A.C.)	§ 14:6-6.3 Service to Master Meter Systems
<b>28. Odorant</b>	Part 192.625	Requires odorant testing as frequently as necessary, but not less than once every 30 days	New Jersey Administrative Code Title 14 Public Utilities, Chapter 6 Gas Service , Sub Chapter 3 Service (NJ A.C.)	§ 14:6-3.7 Odorization
<b>29. Odorant</b>	Part 192.625	Requires gas having an insufficient odor of its own to be odorized with a suitable odorant	New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and	§ 14:7-1.16 Odorization





# New Jersey

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				Distribution Natural Gas Pipelines (NJ A.C.)	
<b>30. Odorant</b>	Part 192.625	Requires odorant equipment to provide a uniform level of odor in the gas.		New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.16(e) Odorization
<b>31. Odorant</b>	Part 192.625 Part 191.1	Requires operator to immediately report any indication of insufficient levels of odorant to NJBPU.		New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.16 (d) Odorization
<b>32. Leak Tests</b>	Part 192.723	Requires leak detection equipment that is at least as reliable and sensitive as flame ionization		New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.20 (c) Monthly Inspection Patrols and Leak Detection Surveys
<b>33. Response to Leaks</b>	Part 192.703	Requires Prompt investigation of each reported or suspected gas leak		New Jersey Administrative Code Title 14 Public Utilities Chapter 6 Gas Service Sub Chapter 2 Plant (NJ A.C.)	§ 14:6-2.3 Inspection of Property
<b>34. Response to Leaks</b>	Part 192.705	Requires inspection program with inspection patrols at least once per month in Class 3 and Class 4 locations		New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of	§ 14:7-1.20 (a) Monthly Inspection Patrols and Leak Detection Surveys





				Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	
35.	<b>Replacement Program</b>	Part 192.703	Requires replacement of bare and coated cathodically unprotected steel services in an area where 20 % or more of the services have exhibited leaks.	New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines, Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.20 (d) Monthly Inspection Patrols and Leak Detection Surveys
36.	<b>Replacement Program</b>	Part 192.489	Approval to accelerate infrastructure improvement projects with an emphasis on CI and bare steel replacements	New Jersey Board of Public Utilities, Docket No. EO09010049, Order 1/28/2009 I/M/O the Proceeding for Infrastructure Investment and a Cost Recovery Mechanism for All Gas and Electric Utilities	Entire Order
37.	<b>Extending LDC responsibility</b>	Part 192.16	Requires customer notification periodically, but no less than once a year, by way of bill inserts and other effective methods	New Jersey Administrative Code Title 14 Public Utilities, Chapter 6 Gas Service, Sub Chapter 3 Service (NJ A.C.)	§ 14:6-3.8 Customer Information
38.	<b>Cathodic Protection</b>	Part 192.723	Requires more frequent surveys on bare steel based on leak history, leaks discovered by the public, and operating pressure	New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.20 (b) Monthly Inspection Patrols and Leak Detection Surveys
39.	<b>Design/Install Requirements</b>	Part 192.301 Part 192.150	Requires approval of new pipelines in excess of 250 psig within 100 feet of any building intended for human occupancy	New Jersey Administrative Code Title 14 Public Utilities Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and	§ 14:7-1.4 Proscribed Areas





# New Jersey

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			Distribution Natural Gas Pipelines (NJ A.C.)	
<b>40. Design/ Install Requirements</b>	Part 192.5 Part 192.609 Part 192.611	Requires all pipelines constructed in NJ after March 2, 2009, to meet the design standards for Class 4 pipeline location	New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.3 Classification of pipeline locations
<b>41. Design/ Install Requirements</b>	Part 192.221 Part 192.225 Part 192.227 Part 192.229 Part 192.231 Part 192.233 Part 192.235 Part 192.241 Part 192.243 Part 192.245	Requires oversight of field welding on pipelines operating in excess of 250 psig by qualified inspectors, and a copy of the welding procedures readily available at the job site	New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.6 Quality Control of Field Welding
<b>42. Design/ Install Requirements</b>	Part 192.451	Requires periodic inspection and calibration of all equipment, including, but not limited to, equipment used for cathodic protection, pipe jacking, leak detection, plastic fusion, and pressure testing. Inspection stickers shall be attached to all equipment	New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.24 (e) Oversight of Construction Activity
<b>43. Design/ Install Requirements</b>	Part 192.327	Requires transmission pipelines to be installed with a cover of at least 48 inches above the top of the pipe	New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.12(c) Minimum Cover over Natural Gas Pipelines
<b>44. Design/Install Requirements</b>	Part 192.327	Requires mains to be installed with a cover of	New Jersey Administrative Code	§ 14:7-1.12(a) Minimum Cover





		at least 30 inch above the top of the pipe	Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines, Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	over Natural Gas Pipelines
<b>45. Design/Install Requirements</b>	Part 192.327	Requires services to be installed with a cover of at least 18 inch above the top of the pipe	New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.12(d) Minimum Cover over Natural Gas Pipelines
<b>46. Design/Install Requirements</b>	Part 192.325	Requires all gas pipelines to be installed with at least 12 inches separation from any other subsurface structure or facility	New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.11 Installation of Pipe
<b>47. Enhanced Record Keeping</b>	Part 192.947	Requires the utility to retain records of pressure test in N.J.C.A 14:7-1.14 & 14:7-1.26 for the life of the gas service	New Jersey Administrative Code Title 14 Public Utilities Chapter 6 Gas Service Sub Chapter 7 Protecting High Pressure Distribution Natural Gas Meters from Vehicular and Other Damage (NJ A.C.)	§ 14:6-7.9 (c) Inspections and Record Keeping
<b>48. Enhanced Record Keeping</b>	Part 192.947	Requires the utility to retain records of leak detection surveys and replacements in 14:7-1.20(d) for the life of the gas service	New Jersey Administrative Code Title 14 Public Utilities Chapter 6 Gas Service , Sub Chapter 7 Protecting High Pressure Distribution Natural Gas Meters from Vehicular and Other Damage	§ 14:6-7.9 (c) Inspections and Record Keeping





# New Jersey

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<b>49. Enhanced Record Keeping</b>	Part 192.947	Requires the utility to retain records of public outreach meetings in 14:7-1.21(b) for the life of the gas service	(NJ A.C.) New Jersey Administrative Code Title 14 Public Utilities Chapter 6 Gas Service, Sub Chapter 7 Protecting High Pressure Distribution Natural Gas Meters from Vehicular and Other Damage (NJ A.C.)	§ 14:6-7.9 (c) Inspections and Record Keeping
<b>50. Enhanced Record Keeping</b>	Part 192.947	Requires the utility to retain records of equipment, inspected and calibrated as described in 14:7-1.24(e) for the life of the gas service	(NJ A.C.) New Jersey Administrative Code Title 14 Public Utilities Chapter 6 Gas Service, Sub Chapter 7 Protecting High Pressure Distribution Natural Gas Meters from Vehicular and Other Damage (NJ A.C.)	§ 14:6-7.9 (c) Inspections and Record Keeping
<b>51. State Inspection Program</b>	Part 190.203	Requires regulatory oversight of various construction activities in excess of federal code.	(NJ A.C.) New Jersey Administrative Code Title 14 Public Utilities, Chapter 7 Natural Gas Pipelines Sub Chapter 1 Construction Operation and Maintenance of Transmission and Distribution Natural Gas Pipelines (NJ A.C.)	§ 14:7-1.24 Oversight of Construction Activity



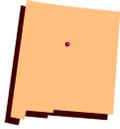
## New Mexico

Key Stats	
State Agency	Public Regulation Commission
Division	Transportation
Department	Pipeline Safety Bureau (PSB)
Web	<a href="http://www.nmprc.state.nm.us/transportation/pipeline-safety.html">http://www.nmprc.state.nm.us/transportation/pipeline-safety.html</a>
Regulated Intrastate Pipeline Systems	65
Regulated Master Meter Operators	170
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	13
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	8

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. Enhanced Reporting	Part 191.3	Requires Incident Reports at \$5,000 level	NM Administrative Code Title 18 Transportation & Highways, Chapter 60 Pipeline Construction and Maintenance, Part 2 Pipeline Safety General Provisions	18.60.2.8(B) Adoption of Portions of the Code of Federal Regulations
2. Enhanced Reporting	Part 191.11 Part 191.17	Requires a list of master meter customers, submitted annually by March 15 <sup>th</sup>	NM Administrative Code Title 18 Transportation & Highways, Chapter 60 Pipeline Construction and Maintenance, Part 2 Pipeline Safety General Provisions	18.60.2.10 Reports of Master Meters
3. Enhanced Reporting	Part 192.603 Part 192.605	Requires the filing of O&M plan with PSB. Any changes to the manual must be submitted within 20 days of change being made	NM Administrative Code Title 18 Transportation & Highways, Chapter 60 Pipeline Construction and Maintenance, Part 2 Pipeline Safety General Provisions	18.60.2.11 Operation and Maintenance Manual
4. Enhanced Reporting	Part 191.11 Part 191.17	Requires filing of RSPA F 7100.1-1 with PSB by March 15. Establishes other	NM Administrative Code Title 18 Transportation & Highways, Chapter 60	18.60.3.8 Information Required from Operators of Gas





# New Mexico

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		information that needs to be included with annual report.	Pipeline Construction and Maintenance, Part 3 Annual Pipeline Safety Fees	Pipelines
<b>5. Enhanced Reporting</b>	Part 195.49	Requires filing of RSPA F 7000.1-1 with PSB by June 15. Establishes other information that needs to be reported to PSB by March 15.	NM Administrative Code Title 18 Transportation & Highways, Chapter 60 Pipeline Construction and Maintenance, Part 3 Annual Pipeline Safety Fees	18.60.3.10 Information Required from Operators of Hazardous Liquid and Carbon Dioxide Pipelines
<b>6. More Direct Oversight</b>	Part 192.305	Notice of Intent to Construct required to be filed with Transportation Director if project has value of \$50,000 or more	NM Administrative Code Title 18 Transportation & Highways, Chapter 60 Pipeline Construction and Maintenance, Part 2 Pipeline Safety General Provisions	18.60.2.9 Notice of Intent to Construct
<b>7. Response to Leaks</b>	Part 192.706 Part 192.723	Requires immediate classification leaks upon discovery.	NM Administrative Code Title 18 Transportation & Highways, Chapter 60 Pipeline Construction and Maintenance, Part 2 Pipeline Safety General Provisions	18.60.2.12 Classification and Repair of Leaks
<b>8. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits Establishes inspection frequency based on risk score.	New Mexico PRC Pipeline Safety Bureau Written Policy	Policy 10-002 Inspection Forms and Frequency Operator Inspections

*National Association of Pipeline Safety Representatives*





## New York

Key Stats	
State Agency	New York State Department of Public Service
Division	Office of Electric, Gas & Water
Department	Safety Section
Web	<a href="http://www3.dps.ny.gov/W/PSCWeb.nsf/All/4B7F05F8C01754AC85257687006F388C?OpenDocument">http://www3.dps.ny.gov/W/PSCWeb.nsf/All/4B7F05F8C01754AC85257687006F388C?OpenDocument</a>
Regulated Intrastate Pipeline Systems	97
Regulated Master Meter Operators	0
Regulated LNG Systems	3
Regulated Hazardous Liquid Systems	5
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	68

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3	Report all incidents where gas facilities may be involved and media events	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.801(a) Reports of Accidents
2. <b>Enhanced Reporting</b>	Part 191.3	Carbon Monoxide incidents	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	<a href="#">§255.801(b)&amp;(c)</a> Reports of Accidents
3. <b>Enhanced Reporting</b>	Part 191.3	Immediately report Major Interruptions of Service	16 (NYCRR) New York Compilation of Rules and	<a href="#">§255.823.</a> Interruptions of service.





# New York

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	
4. Enhanced Reporting	Part 191.3	Weekly report any interruption of service	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter A Service, Part 232 Notice of Interruption of Service	§232.1 Definition of interruption of service. §232.2 Report of interruption of service §232.3 Time of filing
5. Enhanced Reporting	Part 192.605	O&M Plan must be filed with DPS	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.603(b) General Provisions
6. Response to Leaks	Part 192.615	Monthly reports of response time to leaks and emergencies	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	<a href="#">§255.825(d)</a> Logging and analysis of gas emergency reports
7. Enhanced Reporting	Part 192.505	Notification of pressure tests >125 psig	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas	255.505(h)-(i) Strength test requirements for steel pipelines to operate at 125 psig or more





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	
8. More Direct Oversight	Part 192.353	Prior notification of construction of mains >125 psig Construction	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.302 Notification Requirement
9. Valves	Part192.363	Special requirement for Service Line valves >60 psig	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.363(d) Service lines: valve requirements
10. Valves	Part 192.365	Conditions when service line valve MUST be located outside the building.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.365(b) Service lines: location of valves
11. Valves	Part192.745	Emergency valves for transmission lines must be checked for external leakage during inspection	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.745(c) Valve maintenance: transmission lines





# New York

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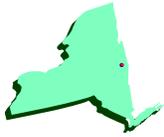
Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
12. Valves	Part 192.747	Emergency valves for distribution pipelines must be checked for external leakage during inspection	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.747(d) Valve maintenance: distribution systems
13. Valves	Part 192.747	Requires annual inspection of buried service line valves for Buildings of Public Assembly including checks for external leakage.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.748 Valve maintenance: service line valves §255.365(b)(2) Service lines: location of valves
14. Pressure Testing	Part 192.515	Not limited to pipe tests where hoop stress exceeds 50% SMYS.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.515(a) Environmental protection and safety requirements
15. Pressure Testing	Part 192.555	Covers upgrading to transmission pressure - defined as 125 psig or above as an upgrading requirement	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.555(a) Upgrading to a pressure of 125 psig or more in steel pipelines.
16. Pressure Testing	Part 192.555	Additional inspection/testing requirements prior to upgrading pressure	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16	§255.555(b)(3) §255.555(b)(4) §255.555(b)(5) §255.555(b)(6)





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		above previously established MAOP.	Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	Upgrading to a pressure of 125 psig or more in steel pipelines.
17. Pressure Testing	Part 192.511	Prescribes more stringent pressure test requirements for service lines at 1.5X MAOP including limits and specified duration for various diameters and operating pressures.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.511(c) §255.511(f) §255.511(f)(1) §255.511(f)(2) §255.511(f)(3) §255.511(g)(1) §255.511(g)(2) §255.511(g)(3) Test requirements for service lines
18. Operating Pressure	Part 192.169	Pressure relief valve requirement and location for positive-displacement transmission compressor.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	255.169(c) Compressor stations: pressure limiting devices
19. Operating Pressure	Part 192.619	Limit equal to 60% of mill test pressure for furnace butt welded steel pipe and 85% of highest test pressure for all other steel pipe whether by mill test or by post installation test	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	255.619(a)(4) 255.619(a)(5) Maximum allowable operating pressure: steel or plastic pipelines
20. Operating Pressure	Part 192.623	Requires operating range of low pressure (LP) systems to be within 4 and 12 inches water column.  Maximum daily pressure variation	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter	255.623(c) 255.623(d) Maximum and minimum allowable operating pressure: low-pressure distribution systems





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		shall not exceed a total range of 50 percent of the maximum gauge pressure experienced during the day at any point in the low pressure distribution system, as measured at the consumer's end of the service line. Protection against pressure buildup of 2 psig.	C Safety, Part 255 Transmission and Distribution of Gas	
21. Operating Pressure	Part 192.197	Requires regulator with internal relief valve.  For service line operating at 125 psig or more be equipped with either an excess flow valve or must have the first stage regulator located at least 50 feet from the building or, if 50 feet cannot be attained without entering the roadway, located at the property line.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	255.197(a)(7) 255.197(c)(5) Control of the pressure of gas delivered from high pressure distribution systems
22. Operating Pressure	Part 192.201	Relief valves or other pressure limiting devices with a capacity to limit the maximum pressure in the main to 2 PSIG on low pressure distribution systems.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	255.201(d) Required capacity of pressure relieving and limiting stations
23. Damage Prevention	Part 192.614	Operators must meet targets of damages per 1000 One Call tickets	Rate Case Performance Metric – LDC Specific	<u>CASE</u> 09-G-0589 08-G-1398 09-G-0795 06-G-1185 06-G-1186





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
				07-G-0141 08-G-0609 09-G-0716 09-G-0718
<b>24. Meter Location/ Protection</b>	Part 192.353	Physical protection from damage  Requires service regulator on new and replacement service lines, except for replacements by insertion, to be installed outside of the building.  Specific requirements for installing a new gas service for which gas pressure regulating and associated gas cleaning equipment and appurtenances is required for a building of public assembly, or apartment building, or building within an apartment, industrial or commercial complex.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.353(b) §255.353(e) Customer meters and regulators: location
<b>25. Meter Location/ Protection</b>	Part 192.353	Implied as section requires each service regulator on new and replacement service lines, except for replacements by insertion, to be installed outside of the building, unless it is impractical or unsafe.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.353(b) Customer meters and regulators: location
<b>26. Meter Location/ Protection</b>	Part 191.3	Master Meters not allowed with few exceptions	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service	§ 231.1.Prohibition of residential submetering required.





# New York

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter A Service, Part 231 Residential Submetering	
27. Odorant	Part 192.625	All gas transported in <b>transmission lines</b> , and distribution mains operating at <b>125 PSIG and above</b> must be odorized so that it is readily detectable at all gas concentrations of <b>one fifth of the lower explosive limit and above</b> .  All gas transported in <b>distribution mains, and service laterals</b> is to be adequately odorized so that it is readily detectable at all gas concentrations of <b>one tenth of the lower explosive limit and above</b> .	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.625(a) §255.625(b) Odorization of gas
28. Odorant	Part 192.605	Requirement for procedures to correct, within specified timeframes, deficiencies found during any inspections, evaluations, reviews, etc. required by this Part	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.605(f) Essentials of operating and maintenance plan
29. Leak Tests	Part 192.465	Allows operator to utilize leakage survey in lieu of electrical survey to determine areas of active corrosion.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas	§255.465(f) External corrosion control: monitoring. §255.723(b) Distribution systems: leakage surveys and





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	procedures
<b>30. Response To Leaks</b>	Part 192.553	Each hazardous leak detected must be repaired before a further pressure increase is made. All leaks must be repaired as soon as possible following completion of the upgrading.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.553(c) General requirements
<b>31. Response to Leaks</b>	Part 192.703	Prescribes requirement for leak classification system and remedial action including investigation, monitoring and repairs.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.805 Leaks: general. §255.807 Leaks: records. §255.809 Leaks: instrument sensitivity verification. §255.811 Leaks: type 1 classification. §255.813 Leaks: type 2A classification. §255.815 Leaks: type 2 classification. §255.817 Leaks: type 3 classification. §255.819 Leaks: follow-up inspection. §255.821 Leaks: nonreportable reading.
<b>32. Response to Leaks</b>	Part 192.703	Any notification of a gas leak or gas odor, or any notification of damage to facilities by contractors or other outside sources	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume	§255.805(a) Leaks: General





# New York

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		shall constitute the need for prompt action.	B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	
<b>33. Response to Leaks</b>	Part 192.723	Prescribes Year End Leak Backlog Targets	Rate Case Performance Metric – LDC Specific	Rate Case Performance Metric – LDC Specific <b>CASE</b> 09-G-0589 08-G-1398 09-G-0795 06-G-1185 06-G-1186 07-G-0141 08-G-0609 09-G-0716 09-G-0718 08-G-1137
<b>34. Response to Leaks</b>	Part 192.723	Prescribes actions necessary prior to downgrading or upgrading existing leaks.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.805(g) §255.805(h) Leaks: General
<b>35. Response to Leaks</b>	Part 192.723	Requires follow-up inspection at least 14 days after but within 30 days of a leak repair to validate said repair.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.819 Leaks: follow-up inspection
<b>36. Replacement Program</b>	Part 192.755 Part 192.489 Part 192.487	Various Rate Case Driven Performance Metric Programs for accelerated replacement of leak prone pipe with and without specific rate	Rate Case Performance Metric – LDC Specific	Rate Case Performance Metric – LDC Specific <b>CASE</b> 09-G-0589 08-G-1398 09-G-0795





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		relief. Majority of LDC's utilizing risk based programs.		06-G-1185 06-G-1186 07-G-0141 08-G-0609 09-G-0716 09-G-0718 08-G-1137
<b>37. Replacement Program</b>	Part 192.755	Requires replacement of cast iron under certain encroachment conditions.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.756 Replacement of exposed or undermined cast iron piping §255.757 Replacement of cast iron mains paralleling excavations
<b>38. Replacement Program</b>	Part 192.614	Requirements for the replacement, venting and/or surveillance of small diameter cast iron main encroached by undermine or parallel excavation.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.756 Replacement of exposed or undermined cast iron piping §255.757 Replacement of cast iron mains paralleling excavations
<b>39. Authority Beyond OPS</b>	Part 192.3	Requirements for issuance of Warning Tags.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 261 Piping Beyond the Meter	§261.51 Warning Tag Procedure §261.55 Warning Tag Inspection
<b>40. Extended LDC Responsibility</b>	Part 192.3	Requirements for O&M of piping beyond outlet of customer meter. Procedures required to comply with the provisions of the leakage survey,	216 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter	§261.15(a) Operation and Maintenance Plan





# New York

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		carbon monoxide, and warning tag sections of NYCRR Part 261.	C Safety, Part 261 Piping Beyond the Meter	
<b>41. Extended LDC Responsibility</b>	Part 192.3	Whenever the operator performs a leakage survey, as required by sections 255.706 or 255.723 of NYCRR Part 255, said survey is to include all known underground gas piping beyond the outlet of the customers' meter,	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 261 Piping Beyond the Meter	§261.17 Leakage Surveys §255.706 Transmission lines: leakage surveys §255.723 Distribution systems: leakage surveys and procedures
<b>42. Extended LDC Responsibility</b>	Part 192.3	Operator owns service line regardless of meter location	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter A Service, Part 230 Extension of Main and service lines – Gas Corporations	§230.1 Definitions
<b>43. Cathodic Protection</b>	Part 192.483	Operator must complete action to reestablish cathodic protection to the required level prior to the next annual testing or within one calendar year.  For areas of active corrosion operator shall provide cathodic within one calendar year or replace the section of pipeline within two calendar years.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.483(d) §255.483(e) Remedial measures: general
<b>44. Cathodic Protection</b>	Part 192.467	Additional requirements limiting step and touch	16 (NYCRR) New York Compilation of Rules and	§255.467(g) External corrosion control: electrical





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		voltages to 15 V for pipelines constructed after December 1, 1993, and are located parallel and in close proximity to or crosses underneath an overhead high-voltage (69 kV or higher) electric transmission facility,	Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	isolation
45. Design/Install Requirements	Part 192.199	Requirement for 50' separation between regulators and/or OP devices for new 2 stage regulator installations and/or existing above ground stations supplying low pressure pipelines.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	255.199(b) Requirements for design of pressure relief and limiting devices
46. Design/Install Requirements	Part 192.229	Specified welding standards Requirement for qualified welder not limited to pipelines operating at or above 20% SMYS	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.229(c) Limitations on welders
47. Design/Install Requirements	Part 192.241	Requires that butt welds on each pipeline with a nominal diameter <b>greater than 2 inches and operating at 125 PSIG or more MUST be nondestructively</b> tested in accordance with section 255.243.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.241(b) Inspection and test of welds
48. Design/Install Requirements	Part 192.241	Requirement for qualified welding inspector on pipelines to be operated at 125	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16	§255.244 Welding inspector





# New York

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		PSIG or more. Restricts welder from inspecting his/her own welds for the purpose of determining the acceptability of the welds as required by section 255.241	Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	
49. Design/Install Requirements	Part 192.59	Prohibits use of <b>used plastic</b> in new or replacement installations. This does not prohibit the reactivation of a plastic pipeline.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.59(c) Plastic Pipe
50. Design/Install Requirements	Part 192.327	Pipe which is installed in areas actively cultivated for commercial farm purposes in at least two out of the last five years, as identified by the farmland operator, shall be installed with a minimum cover of 40 inches.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.327(e) Cover
51. Design/Install Requirements	Part 192.325	Prescribes requirements for at least 12 inches of clearance from any other underground structure not associated with the transmission line but <b>allows a minimum of 2 inches</b> if this clearance cannot be attained provided the transmission line is protected from damage that might result from the	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.325(a) §255.325(b) Underground clearance





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		proximity of the other structure. The same minimum is prescribed for distribution mains; however initial clearance requires at least 6 inches.		
52. Design/Install Requirements	Part 192.325	Requires same aforementioned clearance and/or protection for plastic transmission or distribution mains.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.325(c) Underground clearance
53. Design/Install Requirements	Part 192.703	Example: The provisions of: sections 255.705, 255.706, 255.709, 255.711, 255.713, 255.715, 255.717, and 255.719 shall pertain, as applicable, to all transmission lines, and all distribution mains operating at 125 PSIG or more in Class 3 and 4 locations. With exception of IMP.	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.703(c) General
54. Design/Install Requirements	Part 192.181	Requirement for an inlet an outlet valve for distribution regulator stations at distance of at least 50' but no more than 1000'	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.181(b) §255.181(c) Distribution line valves
55. Enhanced	Part 192.743	Requirement for	16 (NYCRR) New	§255.743(c)





# New York

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Record Keeping</b>		annual review of the required capacity and comparison with relieving capacity of the installed equipment for the operating conditions under which it works.	York Compilation of Rules and Regulations, V Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	Pressure-limiting and -regulating stations: testing relief device
<b>56. Enhanced Record Keeping</b>	Part 192.517	Requirement to retain all test records <b>for life of pipeline.</b> Lifetime Records Requirement for strength Testing	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.517 Records
<b>57. Enhanced Record Keeping</b>	Part 192.745	Emergency valve location for transmission line must be designated on records	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.745(b) Valve maintenance: transmission lines
<b>58. Enhanced Record Keeping</b>	Part 192.747	Emergency valve location for distribution lines must be designated on records	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	§255.747(c) Valve maintenance: distribution systems
<b>59. Inactive Services</b>	Part 192.727	Prescribes 6 year limit for inactive services at which time cut-off at main is required. (Deadline	16 (NYCRR) New York Compilation of Rules and Regulations, Title 16 Public Service	§255.726(c) Inactive Service Lines





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		Requirement)	Commission, Volume B Chapter 3 Gas Utilities, Sub Chapter C Safety, Part 255 Transmission and Distribution of Gas	
<b>60. Stronger Enforcement Penalties</b>	Part 190.223	For combination Gas and Electric Companies Commission can penalize the greater of up to <b>.02% of Annual Gross Revenues with no limit</b> or \$100,000 for each day of a continuing violation for violation of regulation or order (not dependent upon fatality, bodily injury or property damage involved)	Laws of New York, PBS Public Service Article 1 The Department of Public Service Section 25-a	Section 25-a Combination gas and electric corporations; administrative sanctions; recovery of penalties
<b>61. Stronger Enforcement Penalties</b>	Part 190.223	For gas-only companies that violate PSC regulations or Orders (independent of deaths, injuries), penalty is \$100,000/day for each day of a continuing offense with no upper limit	Laws of New York, PBS Public Service Article 1 The Department of Public Service Section 25	Section 25 Penalties
<b>62. Stronger Enforcement Penalties</b>	Part 190.223	For gas-electric combination operators, for violations causing or contributing to death, injury, or property damage >\$50,000, penalty is greater of \$250,000 or <b>0.03% (GBP) of annual gross revenue</b> (\$500,000 or 0.04% negligence). Each day of continuing	Laws of New York, PBS Public Service Article 1 The Department of Public Service Section 25-a	Section 25-a Combination gas and electric corporations; administrative sanctions; recovery of penalties





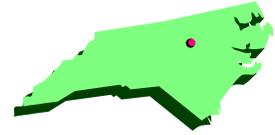
# New York

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
63. Stronger Enforcement Penalties	Part 190.223	violation is not a separate and distinct offense Establishes a Gas Safety performance metric for violations that occur over time with "High Risk Violations" assessed between .25 % and 1% of ROE and "Other Risk Violations assessed between .11% and .33% of ROE	New York Public Service Commission Order Dec 7 2012 Settlement Agreement Docket CASE 12-G-0202	Appendix 8 List of Identified High Risk and Other Risk Pipeline Safety Regulations
64. State Inspection Program	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

*National Association of Pipeline Safety Representatives*





## North Carolina

### Key Stats

State Agency	North Carolina Utilities Commission
Division	
Department	Natural Gas Pipeline Safety Section
Web	<a href="http://www.ncuc.commerce.state.nc.us/industries/naturalgas/pipelinesafety.htm">http://www.ncuc.commerce.state.nc.us/industries/naturalgas/pipelinesafety.htm</a>
Regulated Intrastate Pipeline Systems	76
Regulated Master Meter Operators	5
Regulated LNG Systems	3
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	17

### Applicable Requirement in CFR

	Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1.	<b>Enhanced Reporting</b>	Part 191.1	Requires Incident Reports at \$5K level	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas Article 8 Safety	Rule R6-41 (b) Gas leaks and annual reports.
2.	<b>Enhanced Reporting</b>	Part 191.1	Requires monthly reporting service interruptions affecting 50 or more customers and remediation methods to prevent reoccurrence	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas Article 2 Records and Reports	Rule R6-5. Data to be filed with the Commission
3.	<b>Enhanced Reporting</b>	Part 192.605 Part 192.615 Part 191.3	File contact Information for a. General management duties. b. Customer relations (complaints). c. Engineering operations. d. Meter tests and repairs. e. Emergencies during non office hours	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas Article 2 Records and Reports	Rule R6-5. Data to be filed with the Commission
4.	<b>Enhanced Reporting</b>	Part 191.3	Each gas utility shall file annually an updated map of	North Carolina Utilities Commission Rules and Regulations	Rule R6-5(4) Data to be filed with the



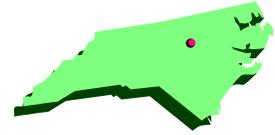


# North Carolina

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		operating area and facilities	Chapter 6 Natural Gas, Article 2 Records and Report	Commission
<b>5. Enhanced Reporting</b>	Part 192.305	A copy of the utility's construction and operational budget filed annually	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas, Article 2 Records and Report	Rule R6-5(4) Data to be filed with the Commission
<b>6. More Direct Oversight</b>	Part 192 305	Requires 30 day advance notice of construction activities involving pipelines greater than 100 psig for Commission inspections , 24 hrs prior to pressure testing and 60 day post operation a certifying report	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas, Article 2 Records and Reports	Rule R6-5 Data to be filed with the Commission
<b>7. More Direct Oversight</b>	Part 192.617	Each utility shall give reasonable assistance to the Commission in the investigation of accidents and in the determination of preventing accidents and maintain summary of reportable accidents.	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas, Article 8 Safety.	Rule R6-38(b, c) Protective Measures.
<b>8. Training/Qualifications</b>	Part 192.605(b)(9)	Each utility shall adopt a safety program and require employees to use safe methods, appropriate tools and be instructed on hazards of electrical shock, asphyxiation, drowning and methods of artificial respiration.	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas, Article 8 Safety	Rule R6-39(a) Safety Program.
<b>9. Response to Leaks</b>	Part 192.615	All gas leaks are considered emergencies and require emergency response	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas, Article 8 Safety	Rule R6-41 (a) Gas leaks and annual reports
<b>10. Authority Beyond OPS</b>	Part 192.605	Customer Piping must be Pressure Tested and Leak Tested in	North Carolina Utilities Commission Rules and Regulations	Rule R6-40 Customers Piping





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		Conformance with NFPA 54 before gas is turned on	Chapter 6 Natural Gas, Article 8 Safety	
<b>11. Authority Beyond OPS</b>	Part 192.1	Safety rules apply to both intrastate and certain interstate natural gas companies.	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas, Article 1, General	Rule R6-1 Application of Rules.
<b>12. Design/Install Requirements</b>	Part 192.7 Part 192.303 Part 192.305	Construct, install, maintain, operate per "Good Engineering" defined by incorporating following standards: 1) Latest edition of NFPA 54, 2) "Standard Methods of Gas Testing", Circular No. 48, National Bureau of Standards, 1961 or American Meter Handbook E-4 3) "Testing Large Capacity Rotary Gas Meters", Research Paper No. 1741, National Bureau of Standards Journal of Research, September, 1946. 4) "Orifice Metering of Natural Gas", Report No.3 of the AGA Gas Measurement Committee 5) Reports prepared by the Practical Methods Committee of the Appalachian Gas Measurement Short Course, West Virginia	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas, Article 5 Engineering	Rule R6-20. Requirement for good engineering practice



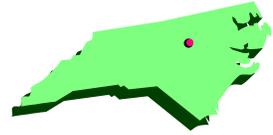


# North Carolina

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		University, as follows:  Report No.1, "Method of Testing Large Capacity Displacement Meters".  Report No.2, "Testing Orifice Meters".  Report No.3, "Designing and Installing Measuring and Regulating Stations".  Report No.4, "Useful Tables for Gas Men".  Report No.5, "Prover Room Practices		
<b>13. Design/Install Requirements</b>	Part 192.741	Each utility must have accurate pressure and flow measuring equipment and keep calibration certificates including a dead weight tester	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas, Article 7 Standards of Quality Service	Rule R6-33 Standards for Pressure Measurements
<b>14. Risk Based Approaches</b>	Part 192.613	Each utility must adopt a program of inspection of its gas plant in order to determine the necessity for replacement and repair.	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas, Article 5 Engineering	Rule R6-24 Inspection of Gas Plant.
<b>15. Enhanced Record Keeping</b>	Part 191.3	All records required by rules shall be kept within state and available for examination and follow NARUC retention policies	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas, Article 2 Records and Reports	Rule R6-3 Location of Records Rule R6-4 Retention of Records
<b>16. Enhanced Record Keeping</b>	Part 192.741	Pressure Recording Records shall be kept for 2 years	North Carolina Utilities Commission Rules and Regulations Chapter 6 Natural Gas,	Rule R6-32 Pressure Surveys and Records

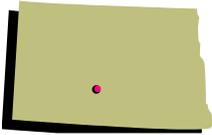




Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
17. <b>State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

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# North Dakota

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## North Dakota

### Key Stats

State Agency	North Dakota Public Service Commission
Division	Gas Pipeline Safety
Department	Compliance and Competitive Markets Division
Web	<a href="http://psc.nd.gov/jurisdiction/pipelines/index.php">http://psc.nd.gov/jurisdiction/pipelines/index.php</a>
Regulated Intrastate Pipeline Systems	9
Regulated Master Meter Operators	2
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	0

### Applicable Requirement in CFR

There are no safety initiatives in North Dakota that are more stringent than Federal Regulations.

The North Dakota Codified Laws in chapter 49-02-01.2. *Pipeline safety - Public service commission jurisdiction – Hazardous Facility orders.* state:

The commission, by rule, may establish and enforce minimum safety standards for the design, construction, and operation of gas distribution facilities and intrastate pipeline facilities used for the distribution and intrastate transportation of gas, liquefied natural gas, or hazardous liquids, regardless of whether they are owned or operated by a public utility, in order to ensure the reasonable safety thereof. Any rule issued under this section affecting the design, installation, construction, initial inspection, and initial testing is not applicable to pipeline facilities in existence on the date such rule is adopted. **Such rules may not be more stringent** than the corresponding federal regulations applicable to interstate pipelines and related facilities.

*National Association of Pipeline Safety Representatives*





## Ohio

### Key Stats

State Agency	Ohio Public Utilities Commission
Division	Service Monitoring and Enforcement
Department	Gas Pipeline Safety Section
Web	<a href="http://www.puco.ohio.gov/puco/index.cfm/consumer-information/consumer-topics/natural-gas-pipeline-safety-in-ohio/">http://www.puco.ohio.gov/puco/index.cfm/consumer-information/consumer-topics/natural-gas-pipeline-safety-in-ohio/</a>
Regulated Intrastate Pipeline Systems	102
Regulated Master Meter Operators	33
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	16

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPar	Additional or More Stringent State	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3	Requires telephonic notice within 2 hours of interruptions of gas service for >100 customers that exceed a duration of 2hours (This combined criteria is considered a "service failure")	Ohio Administrative Code , Chapter 4901:1 Utilities, Section 1-16, Gas Pipeline Safety	4901:1-16-05 (A) Notice and reports of service failures and incidents; twenty-four hour contacts; one-call participation; post-incident testing; and cast iron pipeline program
2. <b>Enhanced Reporting</b>	Part 191.9	Requires annual summary report of all service failures plus federally reportable incidents	Ohio Administrative Code , Chapter 4901:1 Utilities, Section 1-16, Gas Pipeline Safety	4901:1-16-05 (B) (4) Notice and reports of service failures and incidents; twenty-four hour contacts; one-call participation; post-incident testing; and cast iron pipeline program





# Ohio

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3.	<b>Enhanced Reporting</b>	Part 192.605 Part 192.615	Requires that all operators file an annual 24-hour emergency contact report	Ohio Administrative Code , Chapter 4901:1 Utilities, Section 1-16, Gas Pipeline Safety	4901:1-16-05 (D) Notice and reports of service failures and incidents; twenty-four hour contacts; one-call participation; post- incident testing; and cast iron pipeline program
4.	<b>Enhanced Reporting</b>	Part 191.11(b)	Master meter operators must file an annual report	Ohio Administrative Code , Chapter 4901:1 Utilities, Section 1-16, Gas Pipeline Safety	4901:1-16-07 (B) Master meter systems and safety inspections.
5.	<b>Enhanced Reporting</b>	Part 191.9 Part 192.15	For each incident and service failure report, requires interim reports at intervals of no more than sixty days until a final report is submitted.	Ohio Administrative Code , Chapter 4901:1 Utilities, Section 1-16, Gas Pipeline Safety	4901:1-16-05 (B) (3) Notice and reports of service failures and incidents; twenty-four hour contacts; one-call participation; post-incident testing; and cast iron pipeline program
6.	<b>More Direct Oversight</b>	Part 192.305	Requires reporting for new construction projects >\$200,000 or >10% of system value	Ohio Administrative Code , Chapter 4901:1 Utilities, Section 1-16, Gas Pipeline Safety	4901:1-16-06 Construction Reports
7.	<b>Response to Leaks</b>	Part 192.723	Sets requirements for leak grading and repair	Ohio Administrative Code , Chapter 4901:1 Utilities, Section 1-16, Gas Pipeline Safety	4901:1-16-04 Records, maps, inspections, and leak classifications





<b>8.</b>	<b>Replacement Program</b>	Part 192.487	Requires replacement of cast iron mains and services through the Accelerated Main Replacement Program	Ohio Administrative Code , Chapter 4901:1 Utilities, Section 1-16, Gas Pipeline Safety	4901:1-16-05 (E) Notice and reports of service failures and incidents; twenty-four hour contacts; one-call participation; post-incident testing; and cast iron pipeline program
<b>9.</b>	<b>Authority beyond OPS (not rate)</b>	Part 192.9	Requires that gathering operators including Class 1 conform to emergency contact reporting requirements	Ohio Administrative Code , Chapter 4901:1 Utilities, Section 1-16, Gas Pipeline Safety	4901:1-16-05 Notice and reports of service failures and incidents; twenty-four hour contacts; one-call participation; post-incident testing; and cast iron pipeline program
<b>10.</b>	<b>Authority beyond OPS (not rate )</b>	Part 192.305	Requires that gathering operators conform to construction requirements	Ohio Administrative Code , Chapter 4901:1 Utilities, Section 1-16, Gas Pipeline Safety	4901:1-16-06 (A) Construction Reports
<b>11.</b>	<b>Authority beyond OPS (not rate)</b>	Part 192.3 Part 192.8 Part 192.9	Grants jurisdictional authority over gas gathering pipelines other than those regulated by 49 C.F.R. 192	Ohio Revised Code, 4905 Public Utilities Commission – General Powers	4905.90 Natural gas pipeline safety standards definitions  4905.911 Compliance with federal design requirements
<b>12.</b>	<b>Authority beyond OPS</b>	None	Gas Pipeline Safety Section participates in certain rate cases	Ohio Revised Code, 4905 Public Utilities Commission – General Powers	Example: Case No. 12-1685-GA-AIR, Staff Report filed 01/04/2013



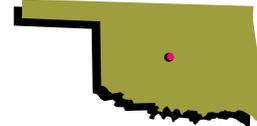


# Ohio

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<b>13. Extending LDC Responsibility</b>	Part 192.703	Distribution operators must inspect master meter systems upon request of Safety Section or master meter operator	Ohio Administrative Code , Chapter 4901:1 Utilities, Section 1-16, Gas Pipeline Safety	4901:1-16-07 Master meter systems and safety inspections.
<b>14. Risk-Based Approach</b>	Part 192.489 Part 192.617	Requires distribution operators to conduct a riser inventory of their system, to track and monitor riser leak failures, to report semi-annually all riser failures to the PUCO, and to ensure that risers are being installed appropriately	Case No. 05-0463-GA-COI, Staff Report filed 11/24/06, Finding & Order signed 03/12/08	Individual replacement orders are operator-specific.
<b>15. Enhanced Record Keeping</b>	Part 192.476 (d) Part 192.603 (b) Part 192.723	Requires that records showing compliance with CFR 192 be retained for three years	Ohio Administrative Code , Chapter 4901:1 Utilities, Section 1-16, Gas Pipeline Safety	4901:1-16-04 Records, maps, inspections, and leak classifications
<b>16. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections





## Oklahoma

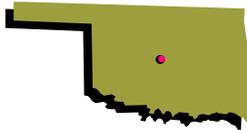
### Key Stats

State Agency	Oklahoma Corporation Commission
Division	Transportation Division
Department	Pipeline Safety Department
Web	<a href="http://www.occeweb.com/tr/PLShome.htm">http://www.occeweb.com/tr/PLShome.htm</a>
Regulated Intrastate Pipeline Systems	156
Regulated Master Meter Operators	95
Regulated LNG Systems	
Regulated Hazardous Liquid Systems	33
Regulated LPG Systems	
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	8

### Applicable Requirement in CFR

	Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1.	<b>Enhanced Reporting</b>	Part 191.3	Requires Incident Reports at \$5K level	Oklahoma Administrative Code Title 165. Corporation Commission, Chapter 20. Gas & Hazardous Liquid Pipeline Safety	OAC 165:20. 5-1 Definitions
2.	<b>Enhanced Reporting</b>	Part 191.3	Requires Incident Notification within 1 hour to 2 hours	Oklahoma Administrative Code Title 165. Corporation Commission, Chapter 20. Gas & Hazardous Liquid Pipeline Safety	OAC 165:20. 5-11 Telephonic notice of certain incidents
3.	<b>Enhanced Reporting</b>	Part 191.3	Requires Reports of all building evacuations involving gas	Oklahoma Administrative Code Title 165. Corporation Commission, Chapter 20. Gas & Hazardous Liquid Pipeline Safety	OAC 165:20. 5-15 Telephonic notice of an evacuation of a building
4.	<b>Enhanced Reporting</b>		Requires Notification of Change of Ownership within 5 days of completion of agreement	Oklahoma Administrative Code Title 165. Corporation Commission, Chapter 20. Gas & Hazardous Liquid Pipeline Safety	OAC 165:20. 5-4 OAC 165:20. 7-4 Change of Ownership
5.	<b>More Direct Oversight</b>	Part 192 305	Requires 7 day (or immediate if emergency with 5 day	Oklahoma Administrative Code Title 165. Corporation	OAC 165:20. 5-32 OAC 165:20. 7-2 Notice





# Oklahoma

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		follow-up) advance notice of construction activities greater than 1 mile for Commission inspections	Commission, Chapter 20. Gas & Hazardous Liquid Pipeline Safety	requirements for construction
6. Authority beyond OPS		Gas Companies shall not furnish gas to residences where customer house piping does not conform to NFPA 54	Oklahoma Administrative Code Title 165. Corporation Commission, Chapter 20. Gas & Hazardous Liquid Pipeline Safety	OAC 165:20. 5-34 Restrictions on connections to consumers
7. Authority beyond OPS		Gathering lines not subject to Part 192 are required to report incidents to OCC	Oklahoma Administrative Code Title 165. Corporation Commission, Chapter 20. Gas & Hazardous Liquid Pipeline Safety	OAC 165:20. 10-3 Telephonic notice of certain non-DOT gathering pipeline incidents
8. State Inspection Program	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

State statutes limit the safety initiatives in Oklahoma that are more stringent than Federal Regulations. There are only a few exceptions regarding notifications that are allowed. The Oklahoma Statutes Citationized in Title 52. Oil and Gas Chapter 1 - Gas Pipelines and Companies Pipelines (Act of 1907) in Section 5 - *Construction and Operation of Pipelines - Safety Regulations - Markers - Personnel - Expenses* states

- A. The Corporation Commission is hereby authorized, directed and empowered to promulgate, adopt and enforce reasonable rules establishing minimum state safety standards for the design, construction, maintenance and operation of all pipelines used for the transmission and distribution of natural gas in this state. **However, except as otherwise provided in subsection B of this section, the Commission shall not promulgate, enforce or interpret any rule or regulation unless such rule, regulation or interpretation shall be consistent with and no more restrictive than the rules, regulations and interpretations of the United States Secretary of Transportation for pipeline transportation and pipeline facilities.** When any such transmission pipeline shall be constructed, operated or maintained under, through and across a highway, section-line road or improved public road or street, there shall be erected directly above where such pipeline enters or leaves said highway, section-line road or improved public road or street, a suitable sign or marker stating thereon the name of the owner of such pipeline and such other information as the Corporation Commission may by rule direct.
- B. The Commission is authorized and directed to promulgate and enforce reasonable rules relating to an incident on a gathering pipeline unit not subject to the U.S. Department of Transportation Pipeline Safety Regulations, codified at 49 CFR Parts 191 and 192, provided that such rules of the Commission **are limited to the following specified areas:** telephonic notification of and a written report about the incident which shall be consistent with and require no more information than the rules, regulations and interpretations issued by the U.S. Department of Transportation Pipeline Safety Regulations relating to the reporting of incidents, maps depicting the location of the incident, and reasonable corrective measures to the gathering pipeline unit involved in the incident.

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## Oregon

### Key Stats

State Agency	Oregon Public Utilities Commission
Division	Utility Safety, Reliability and Security Division
Department	Gas Pipeline Safety
Web	<a href="http://www.puc.state.or.us/PUC/safety/index.shtml">http://www.puc.state.or.us/PUC/safety/index.shtml</a>
Regulated Intrastate Pipeline Systems	15
Regulated Master Meter Operators	3
Regulated LNG Systems	2
Regulated LPG Systems	0
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	9

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3	Incident must be reported at \$5K property damage level	Oregon Administrative Rules, Chapter 860 Public Utilities Commission, Division 24 Safety Standards Installation of Service	860-024-0050 (1) Incident Reports
2. <b>Enhanced Reporting</b>	Part 191.3	Report interruptions to 50 or more customers or greater than 2 hours	Oregon Administrative Rules, Chapter 860 Public Utilities Commission, Division 24 Safety Standards, Installation of Service	860-024-0050 (1) Incident Reports
3. <b>Damage Prevention</b>	Part 192.321	Tracer wire or other similar conductive marking tape or device with the facility to allow for later location and marking shall be placed if within ROW	Oregon Administrative Rules, Chapter 952 Oregon Utility Notification Center, Division 1	952-001-0070 Operators to Mark Underground Facilities or Notify Excavator that None Exist
4. <b>Damage Prevention</b>	Part 192.614 Part 191.23	Geo-hazard Program A full-time geologist keeps tabs on the rainfall in areas of geologic interest. analyzes the stability of pipeline system and recommends	Oregon Public Utility Commission Order No. 01-843, Sept 25, 2001, Docket # Um1030	Stipulation





# Oregon

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		adjustments to ensure safety and to avert damage from landslides and ground movements of all kinds		
5. <b>Replacement Program</b>	Part 192.487	Replace Bare Steel in Accelerated Program with rate relief.	Oregon Public Utility Commission Order No. 01-843, Sept 25, 2001, Docket # Um1030	Stipulation
6. <b>Extending LDC Responsibility</b>	Part 192.361	Each gas utility shall furnish, own, operate, maintain, and replace the service connections when needed.	Oregon Administrative Rules, Chapter 860 Public Utilities Commission, Division 21 Utility Regulation, Installation of Service	860-021-0050 Installation of Gas Service
7. <b>Design/Install Requirements</b>	Part 192.325	Requires 12 inch separation of electric underground facilities from gas underground facilities	Oregon Administrative Rules, Chapter 860 Public Utilities Commission, Division 24 Safety Standards, General	860-024-0010 Construction, Operation, and Maintenance of Electrical Supply and Communication Lines
8. <b>State Inspection Programs</b>	Part 190.203	Priority in inspections will be given to those systems and plants with greater risk potential. The following factors will be considered in determining potential risk: the size of the plant or system and the number of customers it serves, the ratio of total pipe to cathodically protected pipe, the ratio of total pipe to coated pipe, the leaks per mile of main, the percentage of unaccounted-for gas volume, and the number of past accidents.	Oregon Administrative Rules, Chapter 860 Public Utilities Commission, Division 31 Inspection Of Gas Pipeline Operators And Waiver Of Safety Standards	860-031-0005 Inspection of Gas Pipeline Operator Facilities

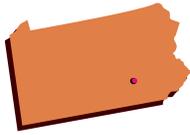




Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
9. State Inspection Program	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

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# Pennsylvania

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## Pennsylvania

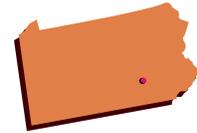
### Key Stats

State Agency	Pennsylvania Public Utility Commission
Division	Transportation and Safety
Department	Gas Safety Division
Web	<a href="http://www.puc.state.pa.us/consumer_info/natural_gas/pipeline_safety.aspx">http://www.puc.state.pa.us/consumer_info/natural_gas/pipeline_safety.aspx</a>
Regulated Intrastate Pipeline Systems	73 (=28+2+3+40)
Regulated Master Meter Operators	0
Regulated LNG Systems	3
Regulated Hazardous Liquid Systems	9
Regulated LPG Operators	6
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	15

### Applicable Requirement in CFR

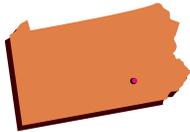
Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3	Requires Reports of all outages greater than 2,500 customers or 5% of the system whichever is less	PA Code Title 52 Public Utilities Part I Public Utilities Commission Sub Part C Fixed Utilities Services Chapter 67 Service Outages	§ 67.1. General Provisions
2. <b>Enhanced Reporting</b>	Part 191.22 Part 195.49	Requires annual registration with the PA PUC of all pipeline operators that are not utilities that have intrastate facilities including gathering in Class 2, 3 and 4 locations, LP operators, cooperatives and municipal operators. Report shall include: Operator name: Federal ID number: Operator Mileage: Contact Information:	Act 127 of 2011 – The Gas and Hazardous Liquids Pipeline Act; Assessment of Pipeline Operators  PA PUC Final Order June 7 2012 Docket No. M-2012-2282031	PA Pipeline Operator Annual Registration Form including Attachments A, B, C





		Emergency Contact Information: Class Location : County Location: Country of Origin for Pipeline Manufacturer :		
<b>3.</b>	<b>Enhanced Reporting</b>	Part 191.11	Requires annual submission of calculation of Lost and Unaccounted For Gas for the following: (1) Distribution System Losses (2) Transmission System Losses (3) Storage Systems (4) Production/Gathering System Losses	PA PUC Final Order April 4 2013 Docket No. L-2012-2294746  PA Code (Rule) Title 52 Public Utilities Part I Public Utilities Commission Sub Part C Fixed Utilities Services Chapter 59 Gas Service  § 59.111. Unaccounted For Gas
<b>4.</b>	<b>Enhanced Reporting</b>	Part 191.11	Requires submission of Long-term Infrastructure Improvement Plan to qualify for DSIC to include: (1) type/age of eligible property; (2) schedule for repair/replacement; (3) location of eligible property; (4) quantity of property to be improved; (5) projected expenditures and measures to ensure that the plan is cost effective; and, perhaps most importantly and relevant to our Tentative Order in this matter, (6) the manner in which replacement of aging infrastructure will be accelerated	Act 11 of 2012 – The Gas and Hazardous Liquids Pipeline Act; Assessment of Pipeline Operators  PA PUC Final Order Feb 28 2013 Docket No. M-2011-2271982  Individual Plans are Company Specific and contained within the Final Order
<b>5.</b>	<b>More Direct Oversight</b>	Part 192.305	Requires 30 day Advance Report of Project Construction, Reconstruction, Maintenance Projects >\$300,000 or 10% of Plant in Service	PA Code Title 52 Public Utilities Part I Public Utilities Commission Sub Part C Fixed Utilities Services Chapter 59 Gas Service  § 59.38. Filing of Major Construction Reports
<b>6.</b>	<b>More Direct Oversight</b>	Part 191.11	Requires 0.5% reduction per year of	PA PUC Final Order April 4 2013  § 59.111. Unaccounted For



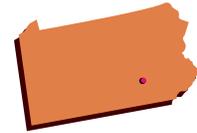


# Pennsylvania

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			Lost and Unaccounted For Gas until below the 3% level.	Docket No. L-2012-2294746  PA Code (Rule) Title 52 Public Utilities Part I Public Utilities Commission Sub Part C Fixed Utilities Services Chapter 59 Gas Service	Gas
7.	<b>Operating Pressure</b>	Part 192.623 Part 192.197	Limits pressures after service regulator to minimum of 2 in w.c. and maximum of 14 in w.c.	PA Code Title 52 Public Utilities Part I Public Utilities Commission Sub Part C Fixed Utilities Services Chapter 59 Gas Service	§ 59.29 Gas Pressure Requirements
8.	<b>Leak Tests</b>	Part 192.723	Requires repeated leak surveys during frost conditions (winter)	PA PUC Final Order Dec 22 2011 Docket No. M-2011-2271982	Individual Plans are Company Specific and contained within the Final Order
9.	<b>Replacement Program</b>	Part 192.489	Requires Cast Iron/BS mains and services Accelerated Replacement Program with Rate Adder	PA PUC Final Order Feb 28 2013 Docket No. M-2011-2271982	Individual Plans are Company Specific and contained within the Final Order
10.	<b>Authority Beyond OPS</b>	None	Gas Safety Division participates in rate cases and other proceedings	PA Code Title 52 Public Utilities Part I Public Utilities Commission Sub Part A General Provisions Chapter 1 Rules of Administrative Practice and Procedure Chapter 3 Special Provisions Chapter 5 Formal Proceedings	§ 1.8 Definitions § 1.72 Content and Review of Formal Case Files § 1.82 Withdrawal or Termination § 3.112 Action on Informal Complaints § 3.113 Resolution of Informal Investigations § 5.21 Formal complaints generally § 5.31 Staff Initiated Complaints § 5.41 Petitions generally § 5.42 Petitions for declaratory orders § 5.44 Petitions for appeal from





					actions of the staff. § 5.201 Notice of proceeding; hearing; waiver of hearing.
<b>11. Extending LDC Responsibility</b>	Part 192.723	Requires LDC to Leak Survey Customer Owned Service Lines, leave Tag for Non Accessible Sites, shutoff service if no repair are made to hazardous leaks	PA Code Title 52 Public Utilities Part I Public Utilities Commission Sub Part C Fixed Utilities Services Chapter 59 Gas Service	§ 59.34 Leakage Surveys of customer owned Lines	
<b>12. Design/Install Requirements</b>	Part 192.144	Orifice Metering must be constructed and maintained per 1978 AGA GMC Report #3	PA Code Title 52 Public Utilities Part I Public Utilities Commission Sub Part C Fixed Utilities Services Chapter 59 Gas Service	§ 59.28 Installations	
<b>13. Enhanced Record Keeping</b>	Part 192.605	Requires Maps to contain size, character, location, drip, street valve, district regulator & service connection	PA Code Title 52 Public Utilities Part I Public Utilities Commission Sub Part C Fixed Utilities Services Chapter 59 Gas Service	§ 59.37 Maps, Plans, Records	
<b>14. Inactive Services</b>	Part 192.727	Inactive Service must be cutoff if greater than 3 months if BS/CI with annual status reports and leakage survey	PA Code Title 52 Public Utilities Part I Public Utilities Commission Sub Part C Fixed Utilities Services Chapter 59 Gas Service	§ 59.36 Inactive Services	
<b>15. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections	





## Puerto Rico

<b>Key Stats</b>	
State Agency	Puerto Rico Public Service Commission
Division	
Department	
Web	<a href="http://www.csp.gobierno.pr/">http://www.csp.gobierno.pr/</a>
Regulated Intrastate Pipeline Systems	1
Regulated Master Meter Operators	2
Regulated LPG Operators	5
Regulated LNG Systems	1
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	0

### Applicable Requirement in CFR

There are no safety initiatives in Puerto Rico that are more stringent than Federal Regulations. The Federal Regulations are incorporated by reference including all federal advisory bulletins, and federal interpretations.

*National Association of Pipeline Safety Representatives*





## Rhode Island

### Key Stats

State Agency	Rhode Island Division of Public Utilities & Carriers
Division	Public Utilities & Carriers
Department	Engineering
Web	<a href="http://www.ripuc.org/utilityinfo/natgas/Pipeline_safety.html">http://www.ripuc.org/utilityinfo/natgas/Pipeline_safety.html</a>
Regulated Intrastate Pipeline Systems	1
Regulated Master Meter Operators	26
Regulated LNG Systems	2
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	12
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	21

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3	Requires Incident Reports with no minimum defined \$\$\$ level, no requirement for in-patient hospitalization, all excavating damages, involvement by police, fire, and/or media, any house or building being evacuated, and a significant situation determined by the involving either overpressure, loss of system pressure, or outages.	2006 RI Rules and Regulations Prescribing Standards for Gas Utilities, Master Meter Systems and Jurisdictional Propane Systems	Appendix "B" Natural Gas Telephonic Notice Reporting Requirements
2. <b>Enhanced Reporting</b>	Part 192.615	Requires Quarterly Reporting of Response Times to respond to leak calls	Docket #3476 Service Quality Plan established during company merger.	See specific Order for Applicable sections
3. <b>Enhanced Reporting</b>	Part 191.3	All accidental interruptions of service will be reported to the Division of Public Utilities & Carriers at the earliest	2006 RI Rules and Regulations Prescribing Standards for Gas Utilities, Master Meter Systems and Jurisdictional Propane	Section D. Part 3d. Interruptions of Service





# Rhode Island

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
4. <b>More Direct Oversight</b>	Part 192.305	practical moment Requires daily reporting for all pipeline related construction for company crews and contractors.	Systems Division standard practice	Division standard practice
5. <b>Operating Pressure</b>	Part 192.201	Limits Over Pressuring Set Levels to < 12 in w.c	2006 RI Rules and Regulations Prescribing Standards for Gas Utilities, Master Meter Systems and Jurisdictional Propane Systems	Section D. Part 2a. Pressure Requirements: Pressure Variations
6. <b>Operating Pressure</b>	Part 192.741	Requires installation of SCADA on 20% of regulator stations,	Rhode Island Public Utilities Commission Order 20468, Sept 12 2011, Docket #4219 Gas Infrastructure, Safety, and Reliability Plan	See specific Order for Applicable sections
7. <b>Response to Leaks</b>	Part 192.615	Prescribes Standards for Response Times to Emergency/Leaks/Odor Complaints/Evacuations as 90% in 30 minutes during normal bus hours and 90% in 45 minutes during non business hours	Rhode Island Public Utilities Commission Order 17605, November 21 2003, Docket #3476 Service Quality Plan	<a href="#">Item 2 and Item 5 of Order</a>
8. <b>Damage Prevention</b>	Part 192.614 Part 190.221	States Gas Pipeline Safety Division is enforcement authority for all underground damage prevention rules of RI	RI General Law R.I.G.L. §39-1.2 Underground Damage Prevention	R.I.G.L. §39-1.2
9. <b>Replacement Program</b>	Part 192.489	Requires Cast Iron/BS mains and services Accelerated Replacement Program with Rate Adder	Rhode Island Public Utilities Commission Order 19991, April 7 2009, Docket #4034 Accelerated Replacement Program for Leak Prone Pipe.	<a href="#">Item 1 of Order</a>
10. <b>Replacement Program</b>	Part 192.353	Requires Relocating all Existing High Pressure Inside Meter sets to the Outside of the facility	Rhode Island Public Utilities Commission Order 19991, April 7 2009, Docket #4034	<a href="#">See specific Order for Applicable sections</a>





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>11. Replacement Program</b>	Part 192.489	Requires 1800 leak repairs as a result of cast iron joint encapsulation with Rate Adder	Accelerated Replacement Program for Leak Prone Pipe. Rhode Island Public Utilities Commission Order 20468, Sept 12 2011, Docket #4219 Gas Infrastructure, Safety, and Reliability Plan.	<a href="#">See specific Order for Applicable sections</a>
<b>12. Replacement Program</b>	Part 192.355	Requires replacement of obsolete regulators, replace water intrusion mains identified during last flooding period with Rate Adder	Rhode Island Public Utilities Commission Order 20468, Sept 12 2011, Docket #4219 Gas Infrastructure, Safety, and Reliability Plan	<a href="#">See specific Order for Applicable sections</a>
<b>13. Authority Beyond OPS</b>	Part 192.605	Red Tagging Appliances and observing unsafe conditions in connection or reconnection of gas service and a definition of "Potentially Hazardous Conditions".	2006 RI Rules and Regulations Prescribing Standards for Gas Utilities, Master Meter Systems and Jurisdictional Propane Systems	Tariff Language/ Section B. Definitions: Number 21
<b>14. Authority Beyond OPS</b>	NONE	Routinely participates with Gas Division on Rate Cases and files Witness Testimony	1998 RI Rules of Practice and Procedure of the Public Utilities Commission	Section 1.18 (c) (1) Discovery Section 1.20 (d) Hearings
<b>15. Design/Install Requirements</b>	Part 192.7	The gas facilities of the LDC shall be constructed, installed, maintained and operated in accordance with accepted good engineering practice in the gas industry incorporating by reference NFPA 54 most recent addition	2006 RI Rules and Regulations Prescribing Standards for Gas Utilities, Master Meter Systems and Jurisdictional Propane Systems	Section F. Equipment and Facilities – Standard Practice
<b>16. Design/Install Requirements</b>	Part 192.7	The gas facilities of the LDC shall be constructed, installed, maintained and operated in	2006 RI Rules and Regulations Prescribing Standards for Gas Utilities, Master Meter Systems and	Section F. Equipment and Facilities – Standard Practice





# Rhode Island

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		accordance with accepted good engineering practice in the gas industry incorporating by reference NFPA 59 most recent addition	Jurisdictional Propane Systems	
17. <b>Enhanced Record Keeping</b>	Part 192.605	Requires Maps to contain size, character, location, of all mains and service connections and valves. Layout of all principal metering and regulator stations.	2006 RI Rules and Regulations Prescribing Standards for Gas Utilities, Master Meter Systems and Jurisdictional Propane Systems	Section G. Records and Reports, Part 3. System Maps
18. <b>Enhanced Record Keeping</b>	Part 192.13	Each LDC shall keep for 15 years numerically arranged and properly classified, records giving, for each meter used and owned by the LDC for any purpose, the identification number, date of purchase, name of manufacturer, serial number, type, a history of the premises where the meter was located, a history of the meter testing sites, and the meter's rating	2006 RI Rules and Regulations Prescribing Standards for Gas Utilities, Master Meter Systems and Jurisdictional Propane Systems Section G. Records and Reports, Part 3. System Maps	Section E Meters In General, Installations, Accuracy, And Testing Sub section 7 Records of Meters and Tests
19. <b>Enhanced Record Keeping</b>	Part 192.13	Each LDC shall keep a record of all interruptions to service affecting the entire distribution system serving a single community or a major division of a community and shall include in such record the date and time of such interruption, the approximate number of such customers affected, the date and time of service	2006 RI Rules and Regulations Prescribing Standards for Gas Utilities, Master Meter Systems and Jurisdictional Propane Systems	Section D. Part 3b. Interruptions of Service





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		restoration, the cause of such interruption when known, and steps taken to prevent its recurrence.		
<b>20. Inactive Services</b>	Part 192.727	Inactive Services must be cutoff if older than 5 years of inactive service.	2006 RI Rules and Regulations Prescribing Standards for Gas Utilities, Master Meter Systems and Jurisdictional Propane Systems	Section I. Abandonment of Gas Services
<b>21. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

*National Association of Pipeline Safety Representatives*





# South Carolina

State Page Last Revised: Sept 2013

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## South Carolina

### Key Stats

State Agency	Office of Regulatory Staff of South Carolina
Division	Electric and Gas Regulation
Department	Pipeline Safety
Web	<a href="http://www.regulatorystaff.sc.gov/naturalgas/Pages/PipelineSafety.aspx">http://www.regulatorystaff.sc.gov/naturalgas/Pages/PipelineSafety.aspx</a>
Regulated Intrastate Pipeline Systems	33
Regulated Master Meter Operators	6
Regulated LNG Systems	2
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	19

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 192.603	Requires Annual filing of Inspection and Maintenance Plans with ORS	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 2 Records and Reports	103-412(viii) Data to be Filed with the Commission and Provided to the ORS
2. <b>Enhanced Reporting</b>	Part 192.603	Requires Annual filing of Emergency Plans with ORS	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 2 Records and Reports	103-412 (viii) Data to be Filed with the Commission and Provided to the ORS
3. <b>Enhanced Reporting</b>	Part 192.603	Requires Annual filing of Welders and Proof of Certification with ORS	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 2 Records and Reports	103-412 (viii) Data to be Filed with the Commission and Provided to the ORS
4. <b>Enhanced Reporting</b>	Part 191.3	Requires Reports of all outages greater than 50 customer or outage duration greater than 6 hours	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 2 Records and Reports	103-414 Interruption of Service.





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
5. <b>Enhanced Reporting</b>	Part 191.3	Requires Incident Reports at \$5K level	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 2 Records and Reports	103-415 Incidents
6. <b>Enhanced Reporting</b>	Part 191.3	The gas utility shall advise the commission and ORS of the name, title, address and telephone number of the person or persons who should be contacted in connection with: General management duties, Customer relations (complaints), Engineering and/or operations, Meter tests and repairs. Emergencies during non-office hours	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 2 Records and Reports	103-412 (vi) Data to be Filed with the Commission and Provided to the ORS
7. <b>More Direct Oversight</b>	Part 192.303	Requires certificate that public convenience and necessity be issued by Commission prior to construction or operation of any pipeline	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 1 General	103-404 Territory and Certificates
8. <b>More Direct Oversight</b>	Part 192.305	All gas systems subject to pipeline safety regulation shall notify the commission and the ORS of any construction projects greater than 25,000 feet of piping or \$500K	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 2 Records and Reports	103-412 (ix) Data to be Filed with the Commission and Provided to the ORS
9. <b>Operating Pressure</b>	Part 192.741	No gas system shall maintain less than two recording pressure gauges of which one should be portable and pressure records should be kept for	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 7 Standards and Quality	103-485 System Pressure Monitoring.





## South Carolina

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>10. Meter Location/Protection</b>	Part 192.353	minimum of 2 years Outdoor meters shall be used where practicable.	of Service South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 3 Meters	103-425 Configuration and Location of Meter
<b>11. Leak Tests</b>	Part 192.723	All buried piping not protected against corrosion must be subjected to instrument leakage surveys as frequently as necessary, but at intervals not exceeding twelve months.	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 7 Standards and Quality of Service	103-493 Leakage
<b>12. Leak Tests</b>	Part 192.706	Vegetation type leak surveys are prohibited	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 7 Standards and Quality of Service	103-493 Leakage
<b>13. Response to Leaks</b>	Part 192.723	Leak Classification System and Required timeline for Repairs	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 7 Standards and Quality of Service	103-493 Leakage
<b>14. Design/Install Requirements</b>	Part 192.7	Good Engineering defined by incorporating following standards: 6) Latest edition of NFPA 54, 7) "Standard Methods of Gas Testing", Circular No. 48, National Bureau of Standards, 1961 or American Meter Handbook E-4 8) "Testing Large	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 5 Engineering	103-461 Acceptable Standards 103-462 Acceptable References





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		Capacity Rotary Gas Meters", Research Paper No. 1741, National Bureau of Standards Journal of Research, September, 1946.		
		9) "Orifice Metering of Natural Gas", Report No.3 of the AGA Gas Measurement Committee		
		10) Reports prepared by the Practical Methods Committee of the Appalachian Gas Measurement Short Course, West Virginia University, as follows:		
		Report No.1, "Method of Testing Large Capacity Displacement Meters".		
		Report No.2, "Testing Orifice Meters".		
		Report No.3, "Designing and Installing Measuring and Regulating Stations".		
		Report No.4, "Useful Tables for Gas Men".		
		Report No.5, "Prover Room Practices		
<b>15. Enhanced Record Keeping</b>	Part 191.3	All records must be kept within the State of South Carolina	South Carolina Code of Regulations, Chapter 103 Public Service Commission,	103-410 Location of Records and Reports





# South Carolina

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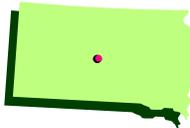
Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Article 4 Gas Systems, Sub Article 2 Records and Reports	
<b>16. Enhanced Record Keeping</b>	Part 192.605	Requires a map showing the gas systems operating area including: Gas production plant , Principal storage facilities, Transmission lines and principal mains by size and valves located thereon, System metering (supply) points, State boundary crossings, Certified area and/or territory served, Names of all communities (post offices) served	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 2 Records and Reports	103-412 (v) Data to be Filed with the Commission and Provided to the ORS
<b>17. Enhanced Record Keeping</b>	Part 192.605	Meter records shall keep date of purchase, The complete identification-- manufacturer, number, type, size, capacity, multiplier, and constants , the current and last previous locations and the dates of installation at and removal from service at such locations, any repairs made	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 2 Records and Reports	103-417 Meter History
<b>18. Inactive Services</b>	Part 192.727 Part 192.723	Inactive service Lines shall be retired at the main if inactive greater than 2 years or leak surveyed as “monitoring” within a 2 year period	South Carolina Code of Regulations, Chapter 103 Public Service Commission, Article 4 Gas Systems, Sub Article 5 Engineering	103-465 Inactive Service Lines
<b>19. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections





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# South Dakota

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## South Dakota

### Key Stats

State Agency	South Dakota Public Utilities Commission
Division	Energy
Department	Pipeline Safety
Web	<a href="http://www.puc.sd.gov/pipelinesafety/default.aspx">http://www.puc.sd.gov/pipelinesafety/default.aspx</a>
Regulated Intrastate Pipeline Systems	13
Regulated Master Meter Operators	0
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	0

### Applicable Requirement in CFR

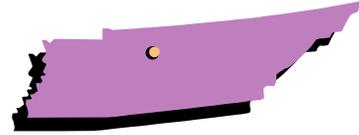
There are no safety initiatives in South Dakota that are more stringent than Federal Regulations. The South Dakota Codified Laws in section 49-34B-4. *Promulgation of safety standards—Considerations* states

**The commission may**, by rules promulgated pursuant to chapter 1-26, **establish safety standards, but not more stringent than federal safety standards as** provided by § 49-34B-3, for the intrastate transportation of gas and gas pipeline facilities. The standards may apply to the design, installation, inspection, testing, construction, extension, operation, replacement, and maintenance of gas pipeline facilities. Standards affecting the design, installation, construction, initial inspection, and initial testing do not apply to pipeline facilities in existence on the date the standards are adopted by either this state or the federal government. The safety standards shall be practicable and designed to meet the need for pipeline safety. In prescribing the standards, the commission shall consider:

- (1) Relevant available pipeline safety data;
- (2) Whether the standards are appropriate for the particular type of pipeline transportation of gas;
- (3) The reasonableness of any proposed standards;
- (4) The extent to which the standard will contribute to public safety; and
- (5) The existing standards established by the secretary of the United States Department of Transportation pursuant to the United States Code, title 49, section 60101 et seq. as amended to January 1, 2011.

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## Tennessee

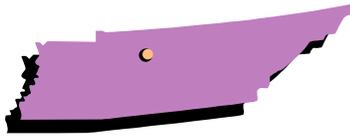
### Key Stats

State Agency	Tennessee Regulatory Authority
Division	Gas Pipeline Safety
Department	
Web	<a href="http://www.tn.gov/tra/gassafety.shtml">http://www.tn.gov/tra/gassafety.shtml</a>
Regulated Intrastate Pipeline Systems	133
Regulated Master Meter Operators	30
Regulated LNG Systems	2
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	11

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 192.305	Requires notification of capital expenditures >\$50K if customer base is less than 30,000; >\$100K if customer base is between 30,000 and 300,000 customers and >\$200K if customer base is greater than 300,000 customers	Rules of the Tennessee Regulatory Authority, Chapter 1220-4-1, General Public Utilities Rules	1220-4-1-.01 Capital Additions Budgets Of Utilities.
2. <b>Enhanced Reporting</b>	Part 191.5	Each utility shall immediately notify the Authority by telephone or telegraph of any interruption to the service of a major portion of its distribution system	Rules of the Tennessee Regulatory Authority, Chapter 1220-4-5, Regulations for Gas Companies	1220-4-5-.36 Interruptions Of Service
3. <b>Enhanced Reporting</b>	Part 192.605 Part 191.3	Filed with the commission the name, title, address, and telephone number of the person who should be contacted in connection with: 1. General management duties.	Rules of the Tennessee Regulatory Authority, Chapter 1220-4-5, Regulations for Gas Companies	1220-4-5-.06 Data To Be Filed With The Authority.



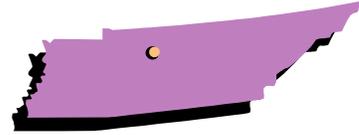


# Tennessee

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		2. Customer relations (complaints). 3. Engineering operations. 4. Meter tests and repairs. 5. Emergencies during non-office hours.		
4. More Direct Oversight	Part 192.305	Gas Operators Required to Notify the TRA of Scheduled Pipeline Facility Construction	Division Directive sent to all Operators	Inspection Form
5. Response to Leaks	Part 192.723	Leak Survey Classification, Definition and Required Action	Rules of the Tennessee Regulatory Authority, Chapter 1220-4-5, Regulations for Gas Companies	1220-4-5-.44 Gas Leak Classification
6. Replacement Program	Part 192.489 Part 192.487 Part 192.755	All Operators with Cast Iron and or Bare Steel have Ongoing Replacement Programs.	TN. Regulatory Authority Order Docket Nos. 0500258 and 0900183	
7. Authority Beyond OPS	Part 192.3	Each customer's piping system shall be tested for pressure and leaks before service is turned on	Rules of the Tennessee Regulatory Authority, Chapter 1220-4-5, Regulations for Gas Companies	1220-4-5-.40 Customer Piping
8. External Corrosion	Part 192.455(b)	Corrosive Environment is Presumed so no demonstration of test, experience or investigation 192.455 (b) is permitted.	Rules of the Tennessee Regulatory Authority, Chapter 1220-4-1, General Public Utilities Rules	1220-4-1-.09 Pipeline Safety Rule.
9. Enhanced Record Keeping	Part 191.3	All records required by these rules or necessary for the administration thereof, shall be kept within Tennessee,	Rules of the Tennessee Regulatory Authority, Chapter 1220-4-5, Regulations for Gas Companies	1220-4-5-.04 Location Of Records
10. State Inspection Program	Part 192.1	Priority Given to Inspecting Systems w/ Greater Risk Potential Based On Risk Management Program	Rules of the Tennessee Regulatory Authority, Chapter 1220-4-5, Regulations for Gas Companies	1220-4-5-.47 Enforcement Procedures Governing Gas Pipeline Safety
11. State Inspection	Part 190.203	More Frequent Inspections/Contacts	None	Inspection Forms and Frequency





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
Program		and Detailed Audits		Operator Inspections
<i>National Association of Pipeline Safety Representatives</i>				





# Texas

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## Texas

### Key Stats

State Agency	Railroad Commission of Texas
Division	Pipeline Safety
Department	
Web	<a href="http://www.rrc.state.tx.us/programs/pipeline.php">http://www.rrc.state.tx.us/programs/pipeline.php</a>
Regulated Intrastate Pipeline Operators	720
Regulated Master Meter Operators	609
Regulated LNG Operators	0
Regulated Hazardous Liquid Operators	199
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	50

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.9	Operators of systems are required to file organizational reports	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter B Requirements for All Pipelines	<a href="#">16 TAC 8.51</a> Organization Report
			Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 3 Oil & Gas Division	<a href="#">16 TAC 3.1</a> Organization Report; Retention of Records; Notice Requirements
2. <b>Enhanced Reporting</b>	Part 192.305 Part 195.204	Operators must file notice of pipeline construction $\geq 1$ miles in length Distribution and master meter must file notice if $\geq 5$ miles in	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations,	<a href="#">16 TAC 8.115</a> New Construction Commencement Report





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		length	Sub Chapter B Requirements for All Pipelines	
3. <b>Enhanced Reporting</b>	Part 191.9	Operators must file plastic pipe installation and removal reports, retain records of new plastic pipe installations and submit annual plastic pipe inventory reports	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.225</a> Plastic Pipe Requirements
4. <b>Enhanced Reporting</b>	Part 192.305	Operators of sour gas (H2S) pipelines must file notice of pipeline construction, publish notice that the pipeline will transport sour gas and publish a map; before construction may begin RRC must issue order that the proposed materials and method of construction and operation meet safety regulatory standards	Texas Utilities Code, Title 3 Gas Regulation, Sub Title B Regulation of Transportation and Use, Chapter 121 Gas Pipelines, Sub Chapter I Sour Gas Pipeline Facilities, Sections 121.451 – 121.454  Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter B Requirements for All Pipelines  Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 3 Oil & Gas Division	<a href="#">Sec. 121.451.</a> <a href="#">Definitions</a> <a href="#">Sec. 121.452.</a> <a href="#">Applicability</a> <a href="#">Sec. 121.453.</a> <a href="#">Permit Application</a> <a href="#">Sec. 121.454.</a> <a href="#">Railroad</a> <a href="#">Commission</a> <a href="#">Approval Or Denial</a>  <a href="#">16 TAC 8.115</a> New Construction Commencement Report  <a href="#">16 TAC 3.106</a> Sour Gas Pipeline Facility Construction Permit
5. <b>Enhanced Reporting</b>	Part 192.723	Distribution system operators are required to file report of all leaks repaired twice annually	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas,	<a href="#">16 TAC 8.210</a> Reports





# Texas

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	
<b>6. Enhanced Reporting</b>	Part 192.1005	Operators must file DIMP plans to the Pipeline Safety Division	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.209</a> <b>Distribution Facilities Replacements</b>
<b>7. Enhanced Reporting</b>	Part 191.9 Part 192.616	Requires biennial reports from operators of gas pipelines within 1000 feet of a public school or public school recreational area	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.235</a> <b>Natural Gas Pipelines Public Education and Liaison</b>
<b>8. Enhanced Reporting</b>	Part 191.17 Part 195.440	Requires biennial reports from operators of hazardous liquid or carbon dioxide pipelines within 1000 feet of a public school or public school recreational area to provide specific information to the school district and upon request to appear at school board meetings	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter D Requirements for Hazardous Liquid and Carbon Dioxide Pipelines Only	<a href="#">16 TAC 8.315</a> <b>Hazardous Liquids and Carbon Dioxide Pipelines or Pipeline Facilities Located Within 1,000 Feet of a Public School Building or Facility</b>
<b>9. More Direct Oversight</b>	Part 192.303	All pipelines that leave a tract of production, and all gathering and transmission lines are required to be permitted to operate in	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 3 Oil & Gas	<a href="#">16 TAC 3.70</a> Pipeline Permits Required





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		Texas	Division	
			Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter A General Requirements and Definitions	<a href="#">16 TAC 8.1</a> <b>General Applicability and Standards</b>
<b>10. More Direct Oversight</b>	Part 192.616 Part 195.440	Requires operators of gas pipelines, hazardous liquids and carbon dioxide pipelines to attempt to conduct face to face liaison meetings with officials; mandates methods for contacting appropriate officials	Texas Utilities Code, Title 3 Gas Regulation, Sub Title B Regulation of Transportation and Use, Chapter 121 Gas Pipelines, Sub Chapter E Pipeline Safety, Section 121.2015  Texas Natural Resources Code, Title 3 Oil and Gas, Subtitle D Regulation of Specific Businesses and Occupations, Chapter 117 Hazardous Liquid or Carbon Dioxide Pipeline Transportation Industry, Sub Chapter B Jurisdiction, Powers, And Duties  Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">Sec. 121.2015.</a> Required Safety Rules  <a href="#">Sec 117.012</a> Rules and Standards  <a href="#">16 TAC 8.235</a> <b>Natural Gas Pipelines, Public Education And Liaison</b>





# Texas

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter D Requirements for Hazardous Liquid and Carbon Dioxide Pipelines Only	<a href="#">16 TAC 8.310</a> <b>Hazardous Liquids and Carbon Dioxide Pipelines Public Education and Liaison</b>
<b>11. More Direct Oversight</b>	Part 192.1005	“Leak Repair Rate for Below Ground Steel Services” is Defined	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.209</a> <b>Distribution Facilities Replacements</b>
<b>12. More Direct Oversight</b>	Part 192.3 Part 195.2	Additional definitions are provided for subsequent rules such as: Affected person, Applicant, Application for waiver, Charter school, Commission, The Railroad Commission of Texas, Direct assessment, Director, Division, Gas, Gas company, Hazardous liquid, In-line inspection, Intrastate pipeline facilities, Lease user, Liquids company, Master meter operator, Master metered system, Natural gas supplier, Operator, Person, Person responsible for a school facility,	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter A General Requirements and Definitions	<a href="#">16 TAC 8.5</a> Definitions





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		Pipeline facilities, Pressure test, Private school, Public school, School facility, Transportation of gas, Transportation of hazardous liquids or carbon dioxide		
13. <b>Damage Prevention</b>	Part 192.614 Part 190.221 Part 195.442	Commission's Pipeline Safety Division is enforcement authority for all underground pipeline damage prevention rules of TX	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 18 Underground Damage Prevention	<a href="#">16 TAC 18.1-18.12</a> <b>Underground Damage Prevention Rules 1 through 12</b>
14. <b>Odorant</b>	Part 192.625	Use of commercially available odorization equipment is required	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.215(b)</a> Odorization of Gas
15. <b>Odorant</b>	Part 192.625	Odorant injection rates calculated at least quarterly required	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.215(d)(1)</a> Odorization of Gas
16. <b>Odorant</b>	Part 192.625	Farm tap odorizers must be serviced annually	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines	<a href="#">16 TAC 8.215(d)(2)</a> Odorization of Gas





# Texas

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>17. Odorant</b>	Part 192.625	Systems must be tested annually for adequate odorization	Only Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.215(e)(1)</a> Odorization of Gas
<b>18. Leak Tests</b>	Part 192.723	Leak surveys may be conducted as prescribed or may be risk based	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.206</a> Risk-Based Leak Survey Program
<b>19. Response to Leaks</b>	Part 192.615	Procedures for receipt, recording, processing, and review of all leak calls received are required	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.205</a> Written Procedure for Handling Natural Gas Leak Complaints
<b>20. Response to Leaks</b>	Part 192.723	Grading of leaks is standardized by using GPTC standards	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.207</a> Leak Grading and Repair
<b>21. Response to Leaks</b>	Part 192.613	Timely repair of gas leaks is required according to grade	Texas Administrative Code, Title 16 Economic Regulation,	<a href="#">16 TAC 8.207</a> Leak Grading and Repair





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	
22. Replacement Program	Part 192.271	Leaking fittings (pre-1980) must be removed from service	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.208</a> Mandatory Removal and Replacement Program
23. Replacement Program	Part 192.271	Fittings encountered during normal activities must be removed unless post 1980 with secondary restraint	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.208</a> Mandatory Removal and Replacement Program
24. Replacement Program	Part 192.1001	In conjunction with DIMP, requires replacement as means of reducing identified risks	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.209</a> Distribution Facilities Replacements
25. Authority Beyond OPS	Part 192.1	Gas production and gathering lines are regulated from first point of measurement in populated areas.	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations,	<a href="#">16 TAC 8.1(a)(1)(B)</a> General Applicability and Standards





# Texas

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Sub Chapter A General Requirements and Definitions	
26. Authority Beyond OPS	Part 192.1	All gas pipelines originating in Texas waters are regulated	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter A General Requirements and Definitions	<a href="#">16 TAC 8.1(a)(1)(D)</a> General Applicability and Standards
27. Authority Beyond OPS	Part 195.1	All hazardous liquid pipelines originating in Texas waters are regulated	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter A General Requirements and Definitions	<a href="#">16 TAC 8.1(a)(1)(D)</a> General Applicability and Standards
28. Authority Beyond OPS	Part 192.5 Part 195.1	The Railroad Commission by rule may establish safety standards and practices for gathering facilities and transportation activities in Class 1 locations, as defined by 49 C.F.R. Section 192.5, and for hazardous liquid or carbon dioxide gathering pipelines in rural locations based on the risks the facilities and activities present to the public safety. Before Sept 2015 may investigate accidents, incidents or threats to public safety on such pipelines; respond to complaints. Relating to operational safety, and require	Texas Utilities Code, Title 3 Gas Regulation, Sub Title B Regulation of Transportation and Use, Chapter 121 Gas Pipelines, Sub Chapter E Pipeline Safety, Section 121.201  Texas Natural Resources Code, Title 3 Oil and Gas, Subtitle D Regulation of Specific Businesses and Occupations, Chapter 117 Hazardous Liquid or Carbon Dioxide Pipeline Transportation Industry, Sub Chapter B Jurisdiction, Powers, And Duties	<a href="#">Sec. 121.201. Safety Rules: Railroad Commission Power [subsection (f) modified effective Sept 1 2013]</a>  <a href="#">Sec 117.012 Rules and Standards [sub sections (a) (b) and (h) modified effective Sept 1 2013]</a>





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		reports from operators of such facilities		
29. <b>Extending LDC Responsibility</b>	Part 192.357	Requires biennial pressure testing of natural gas piping systems in public and private elementary schools and secondary schools including charter schools	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.230</a> <b>School Piping Testing</b>
30. <b>Cathodic Protection</b>	Part 192.465	Test points must be representative of pipe conditions	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.203(3)</a> Supplemental Regulations
31. <b>Cathodic Protection</b>	Part 192.465	Use of leak surveys to determine areas of active corrosion must be frequent enough to monitor corrosion rate	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.203(3)</a> Supplemental Regulations
32. <b>Cathodic Protection</b>	Part 192.475	Definition of corrosive gas is supplemented as deterioration of the material	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.203(4)</a> Supplemental Regulations
33. <b>Cathodic Protection</b>	Part 192.479	Definition of atmospheric corrosion	Texas Administrative Code, Title 16	<a href="#">16 TAC 8.203(5)</a> Supplemental





# Texas

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		is supplemented as deterioration of the material	Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	Regulations
<b>34. Cathodic Protection</b>	Part 195.561	All coated pipe used for the transport of hazardous liquids or carbon dioxide shall be electrically inspected prior to placement using coating deficiency (holiday) detectors to check for any faults not observable by visual examination. The holiday detector shall be operated in accordance with manufacturer's instructions and at a voltage level appropriate for the electrical characteristics of the pipeline system being tested.	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter D Requirements for Hazardous Liquid and Carbon Dioxide Pipelines Only	<a href="#">16 TAC 8.305</a> <b>Corrosion Control Requirements</b>
<b>35. Cathodic Protection</b>	Part 195.557	Installation. Joints, fittings, and tie-ins shall be coated with materials compatible with the coatings on the pipe	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter D Requirements for Hazardous Liquid and Carbon Dioxide Pipelines Only	<a href="#">16 TAC 8.305</a> <b>Corrosion Control Requirements</b>
<b>36. Cathodic Protection</b>	Part 195.567	Cathodic protection test stations. Electrical measurements shall include but are not	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road	<a href="#">16 TAC 8.305</a> <b>Corrosion Control Requirements</b>





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		limited to pipe casing installations and all foreign metallic cathodically protected structures. Readings taken at test stations (electrode locations) over or near one or more anodes shall not, by themselves, be considered representative	Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter D Requirements for Hazardous Liquid and Carbon Dioxide Pipelines Only	
<b>37. Cathodic Protection</b>	Part 195.567	All test lead wire attachments and bared test lead wires shall be coated with an electrically insulating material. Where the pipe is coated, the insulation of the test lead wire material shall be compatible with the pipe coating and wire insulation	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter D Requirements for Hazardous Liquid and Carbon Dioxide Pipelines Only	<a href="#">16 TAC 8.305</a> <b>Corrosion Control Requirements</b>
<b>38. Cathodic Protection</b>	Part 195.571	Cathodic protection systems shall meet or exceed the minimum criteria set forth in Criteria For Cathodic Protection of the most current edition of the National Association of Corrosion Engineers (NACE) Standard RP-01-69.	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter D Requirements for Hazardous Liquid and Carbon Dioxide Pipelines Only	<a href="#">16 TAC 8.305</a> <b>Corrosion Control Requirements</b>
<b>39. Cathodic Protection</b>	Part 195.577	Monitoring and inspection. Each operator shall utilize right-of-way inspections to determine areas where interfering currents are suspected. In the course of these inspections, personnel shall be alert for electrical or physical	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter D Requirements for Hazardous Liquid and Carbon Dioxide Pipelines Only	<a href="#">16 TAC 8.305</a> <b>Corrosion Control Requirements</b>





# Texas

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		conditions which could indicate interference from a neighboring source. Whenever suspected areas are identified, the operator shall conduct appropriate electrical tests within six months to determine the extent of interference and take appropriate action.		
<b>40. Cathodic Protection</b>	Part 195.573 Part 195.585	Remedial action. Each operator shall take prompt remedial action to correct any deficiencies observed during monitoring	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter D Requirements for Hazardous Liquid and Carbon Dioxide Pipelines Only	<a href="#">16 TAC 8.305</a> <b>Corrosion Control Requirements</b>
<b>41. Design/Install Requirements</b>	Part 192.271	All fittings installed after Sept 1, 2008 must meet ASTM D2513 Category1 or Part 192.273	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.208</a> Mandatory Removal and Replacement Program
<b>42. Risked Based Approaches</b>	Part 192.901	Operators are required to perform integrity assessments of the entire gas pipeline line section	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter B Requirements for All Pipelines	<a href="#">16 TAC 8.101(b)</a> Pipeline Integrity Assessment and Management Plans for Natural Gas and Hazardous Liquids Pipelines
<b>43. Risk Based Approaches</b>	Part 195.452	Operators are required to perform integrity	Texas Administrative Code, Title 16	<a href="#">16 TAC 8.101(b)</a> Pipeline Integrity





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		assessments of the entire hazardous liquid line section	Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter B Requirements for All Pipelines	Assessment and Management Plans for Natural Gas and Hazardous Liquids Pipelines
<b>44. Risked Based Approaches</b>	Part 192.1005	Steel service lines that are determined greatest threats must perform a line leak repair analysis	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.209</a> <b>Distribution Facilities Replacements</b>
<b>45. Risked Based Approaches</b>	Part 192.1005	Steel service line leak repair rates >7.5% considered Priority 1 Steel Service line leak repair rates >5%<7.5% considered Priority 2 Steel Service line leak repair rates < 5% considered Priority 3. Priority 1,2,3 have deadlines and thresholds for replacement.	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.209</a> <b>Distribution Facilities Replacements</b>
<b>46. Risked Based Approaches</b>	Part 192.1005	Minimum of 5% of steel service must be replaced each year regardless of Prioritization	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.209</a> <b>Distribution Facilities Replacements</b>
<b>47. Enhanced Record Keeping</b>	Part 192.455(b)	Rule is enhanced by requiring documented proof of determinations for corrosion areas	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas,	<a href="#">16 TAC 8.203(1)</a> Supplemental Regulations





# Texas

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	
<b>48. Enhanced Record Keeping</b>	Part 192.457	Areas of active corrosion must be documented and substantiated	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.203(2)</a> Supplemental Regulations
<b>49. Enhanced Record Keeping</b>	Part 192.457	Requires schedule of Cathodic protection placement when active external corrosion is discovered	Texas Administrative Code, Title 16 Economic Regulation, Part I Rail Road Commission of Texas, Chapter 8 Pipeline Safety Regulations, Sub Chapter C Requirements for Natural Gas Pipelines Only	<a href="#">16 TAC 8.203(2)</a> Supplemental Regulations
<b>50. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

*National Association of Pipeline Safety Representatives*





## Utah

Key Stats	
State Agency	Utah Pipeline Safety
Division	Public Utilities
Department	Department of Commerce
Web	<a href="http://publicutilities.utah.gov/pipeline.html">http://publicutilities.utah.gov/pipeline.html</a>
Regulated Intrastate Pipeline Systems	100
Regulated Master Meter Operators	86
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	0
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	0

### Applicable Requirement in CFR

There are no safety initiatives in State of Utah that are more stringent than Federal Regulations. Utah Code Title 54 Public Utilities Statutes and Public Service Commission Rules in Chapter 13 *Promulgates safety standards.*

**The commission is responsible for establishing safety standards and practices for intrastate transportation and shall make and enforce rules required by the federal Natural Gas Pipeline Safety Act to maintain state control over the regulation of intrastate pipeline transportation.** In the rules section of the same statutes – R746-409-1. The commission hereby adopts, and incorporates by this reference, CFR Title 49, Parts 190, 191, 192, 198, and 199.

*National Association of Pipeline Safety Representatives*





## Vermont

### Key Stats

State Agency	Vermont Department of Public Service
Division	Engineering Division
Department	Natural Gas and Propane Engineering Area
Web	<a href="http://publicservice.vermont.gov/topics/naturalgas_propane">http://publicservice.vermont.gov/topics/naturalgas_propane</a>
Regulated Intrastate Pipeline Systems	1
Regulated Master Meter Operators	0
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	0
Regulated LPG Operators	20
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	8

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3	Requires Incident Reports at \$5K level	Vermont Public Service Board Rules, 6.100 Enforcement Of Safety Regulations Pertaining To Intrastate Gas Pipeline And Transportation Facilities	6.160 Accidents and Emergencies
2. <b>Enhanced Reporting</b>	Part 191.3	All emergency contacts shall be filed with DPS and VT Public Service Board	Vermont Public Service Board Rules, 6.100 Enforcement Of Safety Regulations Pertaining To Intrastate Gas Pipeline And Transportation Facilities	6.160 Accidents and Emergencies
3. <b>Enhanced Reporting</b>	Part 191.3	All transmission line failures and major failures of distribution shall promptly notify DPS and VT Public Service Board	Vermont Public Service Board Rules, 6.100 Enforcement Of Safety Regulations Pertaining To Intrastate Gas Pipeline And Transportation Facilities	6.159 Interruptions of Service
4. <b>Valves</b>	Part 192.747	Curb Valves used as service shutoff valves must be inspected	Vermont Public Service Board Rules, 6.100 Enforcement Of	6.156 Curb Shutoffs





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		annually at places of public assembly.	Safety Regulations Pertaining To Intrastate Gas Pipeline And Transportation Facilities	
5. <b>Extending LDC Responsibility</b>	Part 192.3	Operator responsibility extended to first fitting past the meter or last fitting before it enters the building, whichever is farther downstream	Vermont Public Service Board Rules, 6.100 Enforcement Of Safety Regulations Pertaining To Intrastate Gas Pipeline And Transportation Facilities	6.155 Service Piping
6. <b>Enhanced Record Keeping</b>	Part 192.605	Requires Maps to contain size, operating pressure, location, street valve, regulator station to be filed with DPS upon request	Vermont Public Service Board Rules, 6.100 Enforcement Of Safety Regulations Pertaining To Intrastate Gas Pipeline And Transportation Facilities	6.157 Maps of Transmission and Distribution System
7. <b>Inactive Services</b>	Part 192.727	Inactive Service must have a device installed to cut off the gas outside the cellar wall area if older than 1 year of inactive service	Vermont Public Service Board Rules, 6.100 Enforcement Of Safety Regulations Pertaining To Intrastate Gas Pipeline And Transportation Facilities	6.156 Curb Shutoffs
8. <b>State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

*National Association of Pipeline Safety Representatives*





## Virginia

### Key Stats

State Agency	State Corporation Commission
Division	Utility and Railroad Safety
Department	
Web	<a href="http://www.scc.virginia.gov/urs/pipe/index.aspx">http://www.scc.virginia.gov/urs/pipe/index.aspx</a>
Regulated Intrastate Pipeline Systems	14
Regulated Master Meter Operators	131
Regulated LNG Systems	2
Regulated Hazardous Liquid Systems	4
Regulated LPG Operators	33
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	62

### Applicable Requirement in CFR

	Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1.	<b>Enhanced Reporting</b>	Part 191.3	Incidents involving \$5,000 damage, media coverage, death, injury requiring hospitalization	Division directive	General Letter to all Operators
2.	<b>Enhanced Reporting</b>	Part 191.11 Part 192.617 Part 192.723	All repaired leaks and the associated details every 6 months	Division directive	General Letter to all Operators
3.	<b>Enhanced Reporting</b>	Part 192.603	All O&M revisions required to be submitted to VASCC	Division directive  VASCC Order, April 15, 2013, Case No. URS-2012-00251	General Letter to all Operators  Section 2 (n)
4.	<b>Enhanced Reporting</b>	Part 192.603	All OQ revisions required to be submitted to VASCC	VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2 (n)
5.	<b>Enhanced Reporting</b>	Part 192.614	All excavation damage to pipelines must be reported to VASCC	Division directive	General Letter to all Operators
6.	<b>Enhanced Reporting</b>	Part 192.305	All large projects (exceeding \$100,000)	Division directive	General Letter to all Operators
7.	<b>Enhanced Reporting</b>	Part 192.616 Part 192.614	Supplement operator public awareness and damage prevention	VASCC Order, June 29 2010, Case No. URS-2010-00055	Section 3





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		plans with additional focused efforts such as tracking or receipt of material from each affected stakeholder and tracking emergency officials not attending training sessions	VASCC Order, January 22, 2013, Case No. URS-2012-00450	Section 2 (h) 2(i) 2(j)
			VASCC Order, February 11, 2013, Case No. URS-2012-00451	Section 2 (h) 2(i) 2(j)
<b>8. Enhanced Reporting</b>	Part 192.616	Revise public outreach plan	VASCC Order, January 22, 2013, Case No. URS-2012-00450	Section 2
<b>9. Enhanced Reporting</b>	Part 192.353 Part 192.355 Part 192.357 Part 192.479	Requires semiannual report for customer meter surveillance program	VASCC Order, January 22, 2013, Case No. URS-2012-00450	Section 2 (f)
			VASCC Order, February 11, 2013, Case No. URS-2012-00451	Section 2 (f)
			VASCC Order, April 15, 2013, Case No. URS-2012-00449	Section 2 (f)
			VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2 (f)
<b>10. Enhanced Reporting</b>	Part 192.723	Requires leak survey quality control plan to be filed with VASCC	VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2 (k)
<b>11. More Direct Oversight</b>	Part 192.305	Daily construction sheets required to be submitted to VASCC	Division directive	General Letter to all Operators
			VASCC Order, March 20, 2012, Case No. URS-2011-00409	Section 2 (f)
<b>12. More Direct Oversight</b>	Part 192.303 Part 192.351	Requires quality assurance for customer meter surveillance program	VASCC Order, January 22, 2013, Case No. URS-2012-00450	Section 2 (d)
			VASCC Order, February 11, 2013, Case No. URS-2012-	Section 2 (d)





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			00451	
			VASCC Order, April 15, 2013, Case No. URS-2012-00449	Section 2 (d)
			VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2 (d)
13. More Direct Oversight	Part 192.605 Part 192.621 Part 192.357 Part 192.359	Requires referencing manufacturers procedures in O&M plans for service regulators and reliefs	VASCC Order, April 15, 2013, Case No. URS-2012-00449	Section 2 (g)
14. Damage Prevention	Part 192.614	Installation of tracer wire tags with safety message at meters	VASCC Order, August 22 2011, Case No. URS-2002-00414	Section 2
			VASCC Order, January 22, 2013, Case No. URS-2012-00450	Section 2 (g)
15. Damage Prevention	Part 192.614	Installing electronic marker balls on new service lines	VASCC Order, October 26, 2009, Case No. URS-2009-00041	Section 2
16. Damage Prevention	Part 192.614	Create and teach courses on safe digging and locating at a community college	Virginia Code Title 56 Public Service Companies, Chapter 10.1 Utilities,	§56-265
17. Damage Prevention	Part 192.614	Work with gas operators to pilot new locating technology	VASCC Order, August 22 2011, Case No. URS-2010-00390	Section 2
18. Damage Prevention	Part 192.614	Revision of procedures to include directional boring and locating of lines	VASCC Order, August 22 2011, Case No. URS-2011-00128	Section 2
19. Damage Prevention	Part 192.613	Implement preventive screening process for excavator tickets to identify when lines may end up under structures.	VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2
20. Damage Prevention	Part 192.614	811 decals on all meters	VASCC Order, January 22, 2013, Case No. URS-2012-00450	Section 2





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
21. Training/Qualifications	Part 192.616	Implement a web based training portal for fire and emergency responders	VASCC Order, February 11 2010, Case No. URS-2010-00390	Section 2
22. Operator Qualification	Part 192.801	OQ for new construction	Division directive	General Letter to all Operators
23. Operator Qualification	Part 192.805	Required OQ covered task inspection of pressure recorders, telemetry for inspection of SCADA equipment	VASCC Order, February 11, 2013, Case No. URS-2012-00451  VASCC Order, April 15, 2013, Case No. URS-2012-00449	Section 2 (g)  Section 2 (h)
24. Operator Qualification	Part 192.805	Requires covered task to include continuing surveillance of customer meters to inspect all meter sets for corrosion, protection, alignment and proper regulator spacing	VASCC Order, January 22, 2013, Case No. URS-2012-00450  VASCC Order, February 11, 2013, Case No. URS-2012-00451  VASCC Order, April 15, 2013, Case No. URS-2012-00449  VASCC Order, April 15, 2013, Case No. URS-2012-00251  VASCC Order, May 23, 2012, Case No. URS-2012-0130	Section 2 (a)  Section 2 (a)  Section 2 (a)  Section 2 (a)  Section 2
25. Meter Location/Protection	Part 192.355	Inspection of all meter/regulator facilities for proper protection	VASCC Order, August 22 2011, Case No. URS-2009-00043  <b>VASCC Order, March 20, 2012, Case No. URS-2011-00409</b>	Section 2 Meter Installation and Protection  Section 2 Meter Installation and Protection
26. Odorization	Part 192.625	Use network model to determine low flow	VASCC Order, October 19, 2012,	Section 2





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		areas and determine sampling sites for compliance with §192.625.	Case No. URS-2012-00236	
27. Leak Tests	Part 192.723	Requires leak Survey and Pinpointing to be done with GPS equipment compatible with Work Management Systems	VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2 (j)
28. Leak Tests	Part 192.723	Requires quality control plan for leak Surveys	VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2 (k)
29. Replacement Program	Part 192.497	Replace aging cast iron pipelines	VASCC Order, August 22 2011, Case No. URS-2009-00326	Section 2
30. Replacement Program	Part 192.613	Replace facilities under structures	VASCC Order, May 23, 2012, Case No. URS-2012-0130	Section 2
31. Replacement Program	Part 192.467	Replace all copper service lines in two areas. Conduct study to determine how DIMP should address copper facilities	VASCC Order, May 23, 2012, Case No. URS-2012-0130	Section 2
32. Authority Beyond OPS	Part 192.614	Changed Virginia Building Code to require tracer wire on sewer laterals so that less damage occurs with gas pipeline installations	Virginia Uniform Statewide Building Code (USBC) Part1 Virginia Construction Code, Chapter 3 Use and Occupancy Classification	Section P3002.2.1 Tracer wire.
33. Authority Beyond OPS	None	Participates Routinely in Rate Hearings	Commission Rules of Practice and Procedure , Part II - Commencement of Formal Proceedings	5 VAC 5-20-80. Regulatory Proceedings
34. Extending LDC Responsibility	Part 192.703	Take over the operation of master meter system by LDC	VASCC Order, August 22 2011, Case No. URS-2009-00043	Section 2 Others
			VASCC Order, October 17, 2012, Case No. URS-2012-00235	Section 2
35. Cathodic	Part 192.465	Identification of all	VASCC Order, April	Section 2





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
Protection		potential isolated short sections	1 2011, Case No. URS-2010-00389	
			VASCC Order, February 11 2010, Case No. URS-2010-00390	Section 2
36. Cathodic Protection	Part 192.467	Evaluate and remediate AC migration and interference on transmission pipelines	VASCC Order, June 18, 2012, Case No. URS-2012-00184	Section 2
37. Cathodic Protection	Part 192.453	Comprehensive review of CP program by consultant. Remediate all issues by a certain date	VASCC Order, June 18, 2012, Case No. URS-2012-00184	Section 2
38. Cathodic Protection	Part 192.453	Hire additional CP technicians	VASCC Order, June 18, 2012, Case No. URS-2012-00184	Section 2
39. Cathodic Protection	Part 192.605 Part 192.805 Part 192.469 Part 192.453	Requires specific Cathodic Protection Program Requirements including potential mapping, for identification of quantity and location of test points, current testing to determine if replacement is necessary, continuity testing for short identification, resistivity testing to determine corrosiveness of soil and consultant to oversee corrosion control program	VASCC Order, June 18, 2012, Case No. URS-2012-00184	Section 2 (b) Section 2 (c) Attachment A
40. Design/ Install Requirements	Part 192.325	Require minimum 12-inch separation with any utility or structure	Virginia law	§56-257
41. Design/Install Requirements	Part 192 1007	Use of electrofusion machines with GPS	VASCC Order, February 11 2010,	Section 2





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		and barcode capability	Case No. URS-2010-00390	
42. Design/Install Requirements	Part 192.741	Identify regulator stations serving 500 customers or more and install telemetry	VASCC Order, April 1 2011, Case No. URS-2010-00389	Section 2
43. Design/Install Requirements	Part 192.605	Revision of procedures to include directional boring and locating of lines	VASCC Order, August 22 2011, Case No. URS-2011-00128	Section 2
44. Design/Install Requirements	Part 192.361 Part 192.327	Investigate and remediate shallow pipe depth	VASCC Order, January 25, 2012, Case No. URS-2011-00410	Section 2
45. Design/Install Requirements	Part 192.605 Part 192.723 Part 192.303 Part 192.353	Revise various O&M procedures including procedures for protecting facilities during bar holing operations, removing sharp edges from steel pipe during plastic insertions and installing meter protection	VASCC Order, March 20, 2012, Case No. URS-2011-00409	Sections 2 (b) 2(c) 2(d)
46. Design/Install Requirements	Part 192.605	Establish procedures to inspect in-line gas heaters at pressure regulator stations	VASCC Order, October 17, 2012, Case No. URS-2012-00235	Section 2
47. Design/Install Requirements	Part 192.11	Install hydrostatic relief valves at and underground storage field	VASCC Order, September 28, 2012, Case No. URS-2012-00234	Section 2
48. Design/Install Requirements	Part 192.361	Requires avoidance of new service under buildings and educational outreach to building permitting agencies to prevent such occurrences	VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2 (g) and 2(h)
49. Design/Install Requirements	Part 192.361	Requires existing services under buildings to be identified, designated and correction of known deficiencies	VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2 (i)
50. Design/Install Requirements	Part 192.355	Requires a testing program to determine	VASCC Order, April 15, 2013, Case No.	Section 2 (l)





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		dispersion amounts of service regulator vents	URS-2012-00251 VASCC Order, April 15, 2013, Case No. URS-2012-00449	Section 2 (i)
51. Risk-Based Approaches	Part 192.614 Part 192.1007	Inline inspection to ensure no gas cross-bores of sewer facilities	VASCC Order, February 11 2010, Case No. URS-2010-00390  VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2  Section 2 (m)
52. Risk- Based Approaches	Part 192.1007	Leak survey of cast iron and bare unprotected steel to establish base line	VASCC Order, February 11 2010, Case No. URS-2010-00390	Section 2
53. Risk Based Approaches	Part 192.1007	Study of non-hazardous leaks to reduce frequency of such leaks	VASCC Order, August 22 2011, Case No. URS-2009-00043	Section 2
54. Risk-Based Approaches	Part 192.1007	Pilot and evaluate automated platform to capture high quality and accurate facility information	VASCC Order, October 17, 2012, Case No. URS-2012-00235	Section 2
55. Risk- Based Approaches	Part 192.1007	Requires customer meter surveillance program and documentation findings to be included in DIMP	VASCC Order, January 22, 2013, Case No. URS-2012-00450  VASCC Order, February 11, 2013, Case No. URS-2012-00451  VASCC Order, April 15, 2013, Case No. URS-2012-00449  VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2 (c)  Section 2 (c)  Section 2 (c )
56. Risk Based Approaches	Part 192.325	Develop and implement process to find and remedy cross-bores	VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2
57. Enhanced	Part 192.605	Various parts of	VASCC Order,	Section 3





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Record Keeping</b>		O&M's to address specific noted violations	August 22 2011, Case No. URS-2009-00043  VASCC Order, June 29 2010, Case No. URS-2010-00055  VASCC Order, July 30 2010, Case No. URS-2010-00166  VASCC Order, April 1 2011, Case No. URS-2010-00389	Section 2    Section 2
<b>58. Enhanced Record Keeping</b>	Part 192.605	Operator conduct complete review of safety records to ensure compliance	VASCC Order, June 29 2010, Case No. URS-2010-00055	Section 3
<b>59. Enhanced Record Keeping</b>	Part 192.491	Requires records for atmospheric corrosion inspections for continuing surveillance program for customer meters. Records shall be kept for 10 years (not 5 year) or for lifetime of facility	VASCC Order, January 22, 2013, Case No. URS-2012-00450  VASCC Order, February 11, 2013, Case No. URS-2012-00451  VASCC Order, April 15, 2013, Case No. URS-2012-00449  VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2 (b) and 2(e)  Section 2 (b) and 2(e)  Section 2 (b) and 2(e)  Section 2 (b) and 2(e)
<b>60. Enhanced Record Keeping</b>	Part 192.491 Part 192.353 Part 192.355 Part 192.357	Customer Meter Surveillance Program records shall include inspection date, inspector, meter location, findings of venting, clearance requirements, alignment of installation, atmospheric corrosion and any corrective actions	VASCC Order, January 22, 2013, Case No. URS-2012-00450  VASCC Order, February 11, 2013, Case No. URS-2012-00451  VASCC Order, April 15, 2013, Case No. URS-2012-00449	Section 2 (e)  Section 2(e)  Section 2(e)





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		needed	VASCC Order, April 15, 2013, Case No. URS-2012-00251	Section 2(e)
<b>61. Inactive Services</b>	Part 192.727	Eliminate all service and main line stubs	VASCC Order, August 22 2011, Case No. URS-2011-00128	Section 2
<b>62. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

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# Washington

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Pipeline Safety
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### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.12	Requires annual reporting of all construction defects and material failures resulting in leakage. Each gas pipeline company must categorize the different types and number of defects and material failures.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-200(10)(b)</a> Reporting Requirements
2. <b>Enhanced Reporting</b>	Part 191.5 Part 191.9 Part 191.15	Requires reports within 2 hrs of all building evacuations involving gas releases.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-200(1)(c)</a> Reporting requirements
3. <b>Enhanced Reporting</b>	Part 191.5 Part 195.52	Requires reports within 2 hrs of all incidents.	Washington Administrative Code 480-93 (Gas Companies-Safety) Washington Administrative Code 480-75 (Hazardous Liquid Pipelines-Safety)	<a href="#">WAC 480-93-200(1)</a> Reporting requirements <a href="#">WAC 480-75-630(1)</a> Incident Reporting
4. <b>Enhanced Reporting</b>	Part 191.5 Part 191.9 Part 191.15	Requires reports of all unplanned interruptions of service to greater than	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-200(1)(e)</a> Reporting requirements





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
5. <b>Enhanced Reporting</b>	Part 191.5 Part 191.9 Part 191.15	25 customers Requires reports for taking any transmission, HP supply, or major distribution pipeline out of service.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-200(2)(b)</a> Reporting requirements
6. <b>Enhanced Reporting</b>	Part 191.5 Part 191.15	Requires reports within 2hrs of all unintentional ignitions of gas	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-200(1)(d)</a> Reporting Requirements
7. <b>Enhanced Reporting</b>	Part 191.5 Part 191.9 Part 191.15	Requires reporting within 24 hours of all uncontrolled releases of gas exceeding two hours	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-200(2)(a)</a> Reporting Requirements
8. <b>Enhanced Reporting</b>	Part 191.5 Part 191.9 Part 191.15	Requires reporting within 24 hours of any gas pipeline pressure exceeding the established MAOP	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-200(2)(d)</a> Reporting Requirements
9. <b>Enhanced Reporting</b>	Part 191.11 Part 191.13 Part 191.15	Requires submission of each failure analysis report completed or received by a gas pipeline company, concerning any incident or hazardous condition due to construction defects or material failure within five days of completion or receipt of such report.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-200(6)</a> Reporting Requirements
10. <b>Enhanced Reporting</b>	Part 192.305	Requires pipeline companies to file design, construction, and material specifications at least 45 days prior to construction.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-017</a> Filing requirements for design, specification, and construction procedures
11. <b>Enhanced Reporting</b>	Part 192.305	Requires new pipeline companies to file O&M procedure manuals and emergency response plans at least 45 days prior to operating any	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-180(2)</a> Plans and procedures





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		pipeline. Revisions to manuals must be filed annually.		
<b>12. Enhanced Reporting</b>	Part 192.305	Report at least 45 days prior to construction or replacement of any segment of a gas transmission pipeline equal to or greater than 100' in length.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-160(1)</a> Reporting requirements of proposed construction
<b>13. Enhanced Reporting</b>	Part 192.353	Notify the UTC at least three business days prior to commencing a pressure test of a gas pipeline that will have an MAOP that produces a hoop stress of 20% or more of the SMYS.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-170(1)</a> Tests and reports for gas pipelines
<b>14. Enhanced Reporting</b>	Part 191.11 Part 191.17	Pipeline company must file with the UTC, and with appropriate officials of all municipalities where gas pipeline companies have facilities, the names, addresses, and telephone numbers of the responsible officials of the gas pipeline company who may be contacted in the event of an emergency. In the event of any changes in such personnel, the gas pipeline company must immediately notify the commission and municipalities.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-200(11)</a> Reporting requirements
<b>15. Enhanced Reporting</b>	Part 192.617	Requires annual reporting of all construction defects and material failures resulting in leakage.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-200(10)(b)</a> Reporting requirements
<b>16. Enhanced</b>	Part 195.52	Requires incident	Washington	<a href="#">WAC 480-75-</a>





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Reporting</b>		reporting within 2 hours of all haz liquid lines of releases of 5 gallons or more, \$25K of property damage, or news media event.	Administrative Code 480-75 (Hazardous Liquid Pipelines-Safety)	<a href="#">630(1)(d-f)</a> Incident Reporting
<b>17. Enhanced Reporting</b>	Part 195.200	Construction report must be files 45 days prior to construction for and pipeline operated above 20% SMYS.	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480-75-610</a>
<b>18. Enhanced Reporting</b>	Part 195.300	Report must be filed with Commission if a pressure test is being used to raise the MOP	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480-75-620</a>
<b>19. Enhanced Reporting</b>	Part 195.49	Annual reports shall include a list of reportable and non-reportable safety related conditions.	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480-75-650(2)(b)</a>
<b>20. Enhanced Reporting</b>	Part 195.402	Pipeline company shall submit a copy of its current procedural manual to Commission	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480-75-660(2)</a>
<b>21. Enhanced Reporting</b>	Part 192.614 Part 195.442	Pipeline companies must submit information to the commission in the event of damage to the pipeline	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)  Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-75-630(4)</a>  <a href="#">WAC 480-93-200(7)</a>
<b>22. More Direct Oversight</b>	Part 192.305	Requires daily reports of construction and repair activities (company and their contractors). Reports must be received no later than 10:00 a.m. each day of the scheduled work.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-200(12)</a> Reporting requirements
<b>23. More Direct Oversight</b>	Part 192.353	Notify the UTC at least three business days prior to commencing a	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-170(1)</a> Tests and reports for gas pipelines





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		pressure test of a gas pipeline that will have an MAOP that produces a hoop stress of 20% or more of the SMYS.		
24. More Direct Oversight	Part 195.402	Pipeline company shall have procedures to respond to earthquakes and for assessing, monitoring and remediating areas subject to landslides.	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480-75-660(1)</a>
25. More Direct Oversight	Part 192.603 Part 192.909	Develop and implement a management of change program	WUTC Commission order Docket PG-110443	Action item III (C)(1)
26. More Direct Oversight	Part 192.703 Part 192.605	Develop and implement a centralized maintenance tracking system	WUTC Commission order Docket PG-110443	Action item III (C)(2)
27. More Direct Oversight	Part 192.303	Develop and implement a quality control / quality assurance program	WUTC Commission order Docket PG-110443 & WUTC Commission order Docket PG-060215	Action item III (C)(3) Agreement II (14)
28. More Direct Oversight	Part 192.13	Conduct third party audit of company pipeline safety program.	WUTC Commission order Docket PG-060215	Agreement II (20)
29. Valves	Part 192.181 Part 192.745 Part 192.747	Requires written main line valve maintenance program detailing valve selection process, inspection, maintenance, operating procedures, and criteria noted in rule.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-100(1)</a> Valves
30. Valves	Part 192.181 Part 192.745 Part 192.747	Requires written service line valve maintenance program detailing valve selection process, inspection, maintenance, operating procedures,	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-100(2)</a> Valves





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		and criteria noted in rule.		
<b>31. Valves</b>	Part 192.181 Part 192.745 Part 192.747	Valves must be operated and maintained at least annually.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-100(3)</a> Valves
<b>32. Pressure Testing</b>	Part 192.553	When uprating to a MAOP greater than sixty psig, submit at least 45 days before, a written plan of procedures including all applicable specifications with drawings of the affected pipeline systems.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-155</a> Increasing maximum allowable operating pressure
<b>33. Operating Pressure</b>	Part 195.406	A pipeline company must perform a surge analysis to ensure that surge pressure does not exceed one hundred ten percent of the MOP. System must be designed and operated consistent with analysis.	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480-75-320</a>
<b>34. Damage Prevention</b>	Part 195.412	Right of way inspections for Hazardous liquid pipelines must be conducted weekly.	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480-75-530</a>
<b>35. Damage Prevention</b>	Part 195.400	Hazardous Liquid Pipelines constructed after April 1, 1970 must conduct a depth of cover survey every five years. Pipelines in areas subject to subsoiling must be surveyed every three years.	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480 75-640</a>
<b>36. Operator Qualification</b>	Part 192.801	Includes “new construction” in the definition of “covered task”	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-013</a> Covered Tasks
<b>37. Meter Location</b>	Part 192.353	Residential and commercial meter set	Washington Administrative Code	<a href="#">WAC 480-90-323(3)</a>





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		assemblies should be installed outside at the building wall.	480-90 (Gas Companies-Operations)	Meter set assembly location
<b>38. Meter Location</b>	Part192.355	The meter set assembly must be protected with a protective barrier whenever damage by vehicles or marine traffic is likely to occur.	Washington Administrative Code 480-90 (Gas Companies-Operations)	<a href="#">WAC 480-90-323(4)</a> Meter set assembly location
<b>39. Odorant</b>	Part 192.625	Sniff tests must be performed at least once monthly.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-15(2)</a> Odorization of gas
<b>40. Odorant</b>	Part 192.625	Each gas pipeline company must odorize the gas in its pipeline	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-15(1)</a> Odorization of gas
<b>41. Odorant</b>	Part 192.625	Pipeline company must take prompt action to investigate and remediate odorant concentrations that do not meet the minimum requirements.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-15(3)</a> Odorization of gas
<b>42. Leak Tests</b>	Part 192.723 Part 192.706	"Business district" means an area where the public regularly congregates or where the majority of the buildings on either side of the street are regularly utilized, for financial, commercial, industrial, religious, educational, health, or recreational purposes.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-05(3)</a> Definitions
<b>43. Leak Tests</b>	Part 192.723 Part 192.706	"High occupancy structure or area" means a building or an outside area (such as a playground, recreation area, outdoor theater, or other place of public assembly) that is occupied by twenty	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-05(14)</a> Definitions





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		or more persons on at least five days a week for ten weeks in any twelve-month period. (The days and weeks need not be consecutive.)		
44. Leak Tests	Part 192.723	Gas pipelines operating at or above two hundred fifty psig - at least once annually, but not to exceed fifteen months between surveys;	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-188(3)(c)</a> Gas leak surveys
45. Leak Tests	Part 192.723	Cast iron, wrought iron, copper, or noncathodically protected steel - at least twice annually, but not to exceed seven and one-half months between surveys	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-188(3)(d)</a>
46. Leak Tests	Part 192.723	Unodorized gas pipelines - at least monthly	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-188(3)(e)</a>
47. Leak Tests	Part 192.723 Part 192.706	Prior to paving or resurfacing, following street alterations or repairs where gas pipelines are under the area to be paved, and where damage could have occurred to gas pipelines	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-188(4)(a)</a>
48. Leak Tests	Part 192.723 Part 192.706	In areas where substructure construction occurs adjacent to underground gas pipelines, and damage could have occurred to the gas pipeline, each gas pipeline company must perform a gas leak survey following the completion of	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-188(4)(b)</a>





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
49. Leak Tests	Part 192.723	construction, but prior to paving After third-party excavation damage to services, each gas pipeline company must perform a gas leak survey from the point of damage to the service tie-in	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-188(4)(e)</a> Definitions
50. Response to Leaks	Part 192.723	Based on an evaluation of the location and/or magnitude of a leak, the gas pipeline company must assign one of the leak grades defined in <a href="#">WAC 480-93-18601</a> to establish the leak repair priority.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-186(1)</a> Leak evaluation
51. Response to Leaks	Part 192.723	Must investigate any odor, leak, explosion, or fire, which may involve its gas pipelines, promptly ( <i>means to dispatch qualified personnel without undue delay</i> ) after receiving notification	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-185(1)</a> Gas leak investigation
52. Response to Leaks	Part 192.723	Grade 1 and 2 leaks can only be downgraded once to a Grade 3 leak without a physical repair. After a leak has been downgraded once, the maximum repair time for that leak is twenty-one months.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-186(4)</a> Leak evaluation
53. Replacement Program	Part 192.489	Complete Cast Iron & Bare Steel (207 Miles) replacement program (1 company)	WUTC Commission Order No. 2, Jan 31, 2005, Docket # PG-030080 and PG-030128	<a href="#">Appendix A Exhibit 1</a>
54. External/Internal Corrosion	Part 192.465 Part 195.573	Must complete remedial action within 90 days to correct <u>any</u>	Washington Administrative Code 480-93 (Gas)	<a href="#">WAC 480-93-110(2)</a> Corrosion control





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		cathodic protection deficiencies known and indicated by any test, survey, or inspection.	Companies-Safety Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480-75-510</a> Remedial action for corrosion deficiencies
<b>55. Cathodic Protection</b>	Part 195.561	Before backfilling, each company must electrically inspect new coated pipe using a holiday detector.	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480-75-410</a>
<b>56. Cathodic Protection</b>	Part 192.465	Must take a cathodic protection test reading each time an employee or representative of the gas pipeline company exposes the facility and the protective coating is removed.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-110(8)</a> Corrosion control
<b>57. Design/Install Requirements</b>	Part 192.325	For PE, separation requirements from other utilities. 12 inches (perpendicular) and 6 inches (when crossing).	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-178(4) and (5)</a> Protection of plastic pipe
<b>58. Design/Install Requirements</b>	Part 192.303	Commission approval required prior to operating a gas pipeline at pressures greater than 250 psig, and up to and including 500 psig within 100' of a building or High Occupancy Structure (HOS). May not operate a gas pipeline at >500 psig within 500' of a building, a HOS, or highway without commission approval.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-020 (1)(a) &amp; (1)(b)</a> Proximity considerations
<b>59. Design/Install Requirements</b>	Part 195.428	Breakout tanks must have independent level alarms.	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480-75-330</a>
<b>60. Design/Install</b>	Part 195.106	For new systems, pipe	Washington	<a href="#">WAC 480-75-370</a>





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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>Requirements</b>		design factors must be consistent with class location requirements.	Administrative Code 480-75 (Hazardous Liquid Pipelines)	
<b>61. Design/Install Requirements</b>	Part 195.252	Bedding shall be clean sand and soil and must not contain any stones larger than one half inch.	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480-75-400</a>
<b>62. Risk-based approaches</b>	Part 195.452	Hazardous Liquid Pipeline companies must provide leak detection under flow and no flow conditions. Leak detection systems must be capable of detecting an eight percent of maximum flow leak within fifteen minutes or less.	Washington Administrative Code 480-75 (Hazardous Liquid Pipelines)	<a href="#">WAC 480-75-300 (1) and (2)</a>
<b>63. Enhanced Record Keeping</b>	Part 192.625	Odorization records must be kept for five years)	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-015 (5)</a> Odorization of gas
<b>64. Enhanced Record Keeping</b>	Part 192.491	Each gas pipeline company must record and retain a record of each cathodic protection test, survey, or inspection required by 49 CFR Subpart I	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-110 (1)</a> Corrosion control
<b>65. Enhanced Record Keeping</b>	Part 192.605	Instrument calibration and ID records must be kept for odorization equipment, cathodic protection equipment and instrumentation, pressure testing equipment, and gas detection equipment.	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">WAC 480-93-015(5)</a> Odorization of gas, <a href="#">480-93-110(3)</a> Corrosion control, <a href="#">480-93-170(10)</a> Tests and reports for gas pipelines, <a href="#">480-93-188(2)</a> Gas leak surveys
<b>66. Enhanced Record Keeping</b>	Part 192.709(c) Part 192.723	Maintain all gas leak investigation records for the life of the pipeline	Washington Administrative Code 480-93 (Gas Companies-Safety)	<a href="#">480-93-185(1)</a> Gas leak investigation
<b>67. Enhanced Record Keeping</b>	Part 192.517	Must maintain pressure test records	Washington Administrative Code	<a href="#">480-93-170(7)</a> Tests and reports





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
<b>68. Enhanced Record Keeping</b>	Part 192.517	for the life of the pipeline Must keep detailed records of all pressure tests performed. Data points required outlined in rule. When multiple pressure tests on a single installation, the gas pipeline company must maintain a record of each test.	480-93 (Gas Companies-Safety) Washington Administrative Code 480-93 (Gas Companies-Safety)	for gas pipelines <a href="#">480-93-170(7) &amp; (9)</a> Tests and reports for gas pipelines
<b>69. State Inspection Programs</b>	Part 190.203	Risk based inspection program in place.	N/A	
<b>70. State Inspection Program</b>	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections
<i>National Association of Pipeline Safety Representatives</i>				





# West Virginia

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## West Virginia

### Key Stats

State Agency	Public Service Commission of West Virginia
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Web	<a href="http://www.psc.state.wv.us/div/gaspipelinesafety.htm">http://www.psc.state.wv.us/div/gaspipelinesafety.htm</a>
Regulated Intrastate Pipeline Systems	49
Regulated Master Meter Operators	45
Regulated LNG Systems	0
Regulated Hazardous Liquid Systems	5
Regulated LPG Operators	1
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	5

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	192.605	Requires filing of inspection and maintenance plans and periodic changes with the commission.	West Virginia Code of State Rules, Title 150 Legislative Rule, Public Service Commission , Series 4, Rules and Regulations for the Government of Gas Utilities and Gas Pipeline Safety	150 CSR 4, Section 9.7.1 Inspection and Maintenance Plans
2. <b>More Direct Oversight</b>	192.301	Requires completion report of construction of pipeline extension within 60 days	West Virginia Code of State Rules, Title 150 Legislative Rule, Public Service Commission , Series 4, Rules and Regulations for the Government of Gas Utilities and Gas Pipeline Safety	150 CSR 4, Section 9.9 Completion Report
3. <b>More Direct Oversight</b>	192.301	Requires 30-day advance notice of major construction	West Virginia Code of State Rules, Title 150 Legislative Rule, Public Service Commission , Series 4, Rules and Regulations for the	150 CSR 4, Section 9.8.1 Major Construction





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
			Government of Gas Utilities and Gas Pipeline Safety	
4. Odorant	192.625	Each utility shall file with the Commission a report of its plan for odorization.	West Virginia Code of State Rules, Title 150 Legislative Rule, Public Service Commission , Series 4, Rules and Regulations for the Government of Gas Utilities and Gas Pipeline Safety	150 CSR 4, Section 8.2.4 Safety Requirements
5. State Inspection Program	Part 190.203	Specifies inspection intervals of O&M at least every 18 months and Master Meter Operators at least every 30 months	West Virginia Code of State Rules, Title 150 Legislative Rule, Public Service Commission , Series 4, Rules and Regulations for the Government of Gas Utilities and Gas Pipeline Safety	150 CSR 4, Section 11.5 Inspections, Enforcement, and Appeals

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## Wisconsin

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Regulated Master Meter Operators
Regulated LNG Systems
Regulated Hazardous Liquid Systems
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199

Wisconsin Public Service Commission
Gas and Energy Division
Pipeline Safety Program
<a href="http://psc.wi.gov/utilityInfo/gas/pipelineSafety.htm">http://psc.wi.gov/utilityInfo/gas/pipelineSafety.htm</a>
14
approx. 50
3
76

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 192.305	Unless a gas public utility is required to obtain a certificate of authority, it shall notify the commission of any of the following projects using the notification procedure in par. (b): 1. Connection of service to a customer that appears to be a master meter system operator. 2. Making a new connection to an interstate or intrastate gas pipeline. (b) A utility desiring to proceed with a project identified under par. (a) shall file a notification with the commission at least 15 days, or as soon as practicable, before it intends to begin construction of the	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 133 Construction, Installation, And Placing In Operation Of Facilities By Gas Utilities	PSC 133.03 When commission authorization or notification is required





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		project. The notification shall include a brief description and location of the project		
2. Enhanced Reporting	Part 192.605	All gas public utilities and gas pipeline operators shall file with the public service commission a copy of the manual of written procedures for conducting operations and maintenance activities under 49 CFR 192.605(a). Each change in the manual shall be filed with the commission within 20 days after the change is made.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter I, General Provisions	PSC 135.019 Adoption of federal minimum pipeline safety standards by reference.
3. Enhanced Reporting	Part 192.615	All gas public utilities and gas pipeline operators shall file with the public service commission a copy of emergency response required under 49 CFR 192.605(a). Each change in the manual shall be filed with the commission within 20 days after the change is made.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter I, General Provisions	PSC 135.019 Adoption of federal minimum pipeline safety standards by reference.
4. Enhanced Reporting	Part 191.3	Each interruption of service which affects more than 100 customers shall be reported by mail, telephone, or telegraph to the commission within 48 hours following the discovery of the interruption	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 134 Standards for Gas Service	PSC 134.18 Record of interruption of service
5. Enhanced Reporting	Part 192.305	A single gas pipeline project and associated plant, or any plant or	Wisconsin Administrative Code, Public Service	PSC 133.03 When commission authorization or





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		addition to plant the cost of which exceeds \$1,500,000 or 4% of the utility's gross gas operating revenue received during the previous calendar year. 5 Other scenarios requiring notification are specified.	Commission (PSC) Chapter 133 Construction, Installation, And Placing In Operation Of Facilities By Gas Utilities	notification is required
6. Valves	Part 192.747	Inspection shall include checking of alignment to permit use of a key or wrench and clearing from the valve box or vault any debris which would interfere or delay the operation of the valve. Records shall be maintained to show specific valve location and such records shall be made continuously accessible to authorized personnel for use under emergency conditions..	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.747 Valve maintenance: distribution systems addition
7. Valves	Part 192.747	The by-pass valves in district regulator stations supplying gas to a low pressure distribution system shall be sealed, locked or otherwise be rendered incapable of operation, except by authorized personnel.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.747 Valve maintenance: distribution systems addition
8. Valves	Part 192.365	Whenever gas is supplied to a theater, church, school, factory or other building where large numbers of persons assemble, an outside valve in such case will be required.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.365 Service lines: location of valves addition
9. Valves	Part 192.355	Requires check valve on services to be	Wisconsin Administrative Code,	PSC 135.355 Customer meters





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		installed in certain situations	Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	and regulators: protection from damage additions
10. Pressure Testing	Part 192.505	Except in freezing weather or when water is not available, pipelines or mains larger than 6 inches in diameter, installed in class locations 1, 2, or 3, shall be hydrostatically tested in place to at least 90% of the specified minimum yield strength.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.505 Strength test requirements for steel pipeline to operate at a hoop stress of 30 percent or more of SMYS addition
11. Pressure Testing	Part 192.511	Each segment of a service line, other than plastic, intended to be operated at a pressure between 0 and 1 p.s.i.g. shall be given a leak test at a pressure of not less than 50 p.s.i.g.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.511 Test requirements for service lines addition
12. Pressure Testing	Part 192.751	Whenever the accidental ignition in the open air of gas/air mixture might be likely to cause personal injury or property damage, precautions shall be taken.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.751 Prevention of accidental ignition addition
13. Operating Pressure	Part 192.623	At no outlet in the service area shall it ever be greater than one and one-fourth of the standard service pressure nor greater than 12 inches of water nor ever be less than one-half of the standard service pressure nor less than 4 inches of water. (b) At any single outlet	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 134 Standards for Gas Service	PSC 134.23 Pressure variation





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		<p>it shall never be greater than twice the actual minimum at the same outlet.</p> <p>(c) At any one outlet the normal variation of pressure shall not be greater than the following:</p> <p>Minimum Pressure Normal Variation Permissible</p> <p>4–5 in. 3 in.</p> <p>5–6 in. 3 1/2 in.</p> <p>6–8 in. . 4 in</p>		
14. Operating Pressure	Part 192.753	Existing unreinforced bell and spigot jointed cast iron pipe shall be operated at low pressure unless it can be proved to the public service commission that it can be satisfactorily operated at a higher pressure. However, the operating pressure under any circumstances shall not exceed 15 p.s.i.g	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.753 Caulked bell and spigot joints addition
15. Operating Pressure	Part 192.621	The maximum allowable operating pressure under any circumstances shall not exceed 15 p.s.i.g. Except for maintenance of existing mains, no new cast iron may be installed after November 1, 1999	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.621 Maximum allowable operating pressure: high–pressure distribution systems additions
16. Operating Pressure	Part 192.621	The intercity or supply mains for these distribution systems may be operated at pressures higher than 60 p.s.i.g. if the number of services supplied from these	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.621 Maximum allowable operating pressure: high–pressure distribution systems additions





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		mains are limited and these mains are not an integral part of the distribution system. The pressure and the services supplied from these higher pressure intercity and supply mains shall be limited to 60 p.s.i.g. unless the service lines are equipped with series regulators or other pressure limiting devices as prescribed in 49 CFR 192.197(c).		
<b>17. Operating Pressure</b>	Part 192.623	No person may operate a low pressure distribution system at a pressure in excess of that provided by s. PSC 134.23 (1).	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.623 Maximum allowable operating pressure: low-pressure distribution systems addition
<b>18. Damage Prevention</b>	Part 192.707	When transmission lines are located outside urban areas, their location shall be marked, recognizable to the public, at each fence line, road crossing, railroad crossing, river, lake, stream, or drainage ditch crossing and wherever it is considered necessary to identify the location of a pipeline to reduce the possibility of damage or interference.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.707 Line markers for mains and transmission lines addition
<b>19. Damage Prevention</b>	Part 192.721	When distribution mains are located outside urban areas, their location shall be marked, recognizable to the public, at each	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II	PSC 135.722 Addition





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		fence line, road crossing, railroad crossing, river, lake, stream, or drainage ditch crossing and wherever it is considered necessary to identify the location of a pipeline to reduce the possibility of damage or interference.	Additions to 49 CFR Part 192	
<b>20. Damage Prevention</b>	Part 192.614	All operators of natural gas pipelines shall be a member of a single, state-wide one-call system. If there is more than one state-wide one-call system, the public service commission may determine which system the operators will join.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.614 Damage prevention program addition
<b>21. Damage Prevention</b>	Part 192.375	Plastic service lines that are not encased shall either be installed with an electrically conductive wire having adequate corrosion resistant characteristics or protection or some other acceptable means of readily locating the buried service pipe from the ground surface shall be provided.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.375 Service lines: plastic addition
<b>22. Leak Tests</b>	Part 192.743	Service regulators and associated safety devices on customers' premises shall be inspected and tested periodically to determine whether they are in proper operating condition. This shall include	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.744 Addition





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		testing of the set pressure of the regulator at a specific flow rate, determination of the lock-up pressure, and determination as to whether there are any leaks, internal or external, associated with the regulator. The test interval shall be the same as the interval between meter changes in the meter rotation program under PSC 134.30.		
<b>23. Leak Tests</b>	Part 192.613	Whenever a road or street is paved or repaved with permanent pavement, the operator shall do all of the following: 1) Check for leaks with continuous sampling to 100 ppm 2) visual examination of condition 3) repair any leaks 4) replace pipe if it is likely to be corroded prior to next street resurfacing	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.613 Continuing surveillance additions
<b>24. Leak Tests</b>	Part 192.723	In addition to 49 CFR 192.723(b)(1), an additional leakage survey with a leak detection device shall be conducted over street openings in business districts, as shown by maps filed with the public service commission by each utility, at intervals not exceeding 15 months, but at least once each calendar year and not	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.723 Distribution systems: leakage surveys additions





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		more [less] than 4 months before or after the survey required under 49 CFR 192.723(b)(1).		
25. Leak Tests	Part 192.723	In each business district the piping from the service entrance to the meter outlet and metering and regulating equipment shall be tested for gas leakage in those buildings that have gas service	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.723 Distribution systems: leakage surveys additions
26. Leak Tests	Part 192.723	A survey of all buildings used for public gatherings, such as schools, churches, hospitals, and theaters, shall be conducted at intervals not exceeding 15 months, but at least once each calendar year. The piping from the service entrance to the meter outlet and metering and regulating equipment shall be tested for gas leakage.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.723 Distribution systems: leakage surveys additions
27. Leak Tests	Part 192.723	In incorporated cities and villages, in addition to a survey of public buildings, the operator shall conduct a leak survey of all mains using a continuous-sampling instrument capable of detecting and measuring combustible gas in air concentrations of 100 parts per million. The utility may substitute for the test required by this provision a survey	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.723 Distribution systems: leakage surveys additions





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		by mobile flame ionization or infrared gas detection units. The tests required by this provision shall be made at intervals not exceeding 15 months, but at least once each calendar year.		
28. Leak Tests	Part 192.723	Along all mains in unincorporated areas, a leakage survey with leak detection equipment shall be conducted at least once every 2 calendar years at intervals not exceeding 27 months	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.723 Distribution systems: leakage surveys additions
29. Leak Tests	Part 192.723	A leakage survey of all services conducted with an acceptable leak detection device shall be made at intervals not exceeding five years	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.723 Distribution systems: leakage surveys additions
30. Leak Tests	Part 192.723	When a leak complaint is received and the odor of gas indicates that there is a leak in or near the premises, a search shall be carried to conclusion until the leak is found	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.723 Distribution systems: leakage surveys additions
31. Leak Tests	Part 192.723	When a leak is found and repaired, a further check shall be made in the vicinity of the repaired leak to determine if there is any other source of migrant gas in the neighborhood.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.724 Addition
32. Authority Beyond OPS	Part 192.623	All changes in the pressure and specific gravity greater than the allowable variation,	Wisconsin Administrative Code, Public Service Commission (PSC)	PSC 134.10 Service on customer's premises.





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		and changes in the composition of the gas which would materially affect the operation of the customer's appliances must be accompanied by a general inspection and adjustment of all appliances that would be affected by the changes	Chapter 134 Standards for Gas Service	
<b>33. Authority Beyond OPS</b>	Part 192.616 Part 192.3	Each utility shall adopt and file with this commission a policy for inspection of customer's appliances. Each gas utility shall establish an educational and inspection program designed to inform customers and assist the general public in the proper and efficient operation and maintenance of gas burning equipment	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 134 Standards for Gas Service	PSC 134.10 Service on customer's premises.
<b>34. Authority Beyond OPS</b>	Part 192.615	Whenever a gas utility is required to enter a customer's premises to re-establish service to relight appliances due to a non-emergency interruption of service, an inspection of the burner ignition and flame appearance shall be made on each appliance which is relit to check for safety and efficient operation. The utility will be prepared to advise the customer relative to the safety and efficiency of connected appliances.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 134 Standards for Gas Service	PSC 134.10 Service on customer's premises.
<b>35. Extending</b>	Part 192.3	The operators shall	Wisconsin	PSC 135.016





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<b>LDC Responsibility</b>	Part 191.11 Part 191.12	report the number of leaks which were found in customer-owned facilities by either a survey or complaint during the preceding calendar year.	Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter I, General Provisions	Leak survey reports
<b>36. Cathodic Protection</b>	Part 192.457	Notwithstanding the provisions of 49 CFR 192.457(b) regarding active corrosion, effectively coated steel distribution pipelines, except for those portions including services and short sections that because of their nature and installation make cathodic protection impractical and uneconomical, shall be cathodically protected along the entire area that is effectively coated in accordance with this subpart.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.457 External corrosion control: buried or submerged pipelines installed before August 1, 1971 addition
<b>37. Design/Install Requirement</b>	Part 192.53	Twenty inch steel pipe and larger, with a SMYS of 52,000 p.s.i.g. or higher, shall be tested for fracture toughness in accordance with the applicable section of respective API standard under which it was produced, except for small lot purchases of pipe where testing for fracture toughness is impractical	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.053 General Additions
<b>38. Design/Install Requirement</b>	Part 192.53	When substantial quantities of pipe are acquired certified reports of chemical composition and	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas	PSC 135.053 General Additions





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		physical properties shall be obtained; when the quantity of pipe involved is so limited that this requirement would be impractical, a certified statement shall be obtained setting forth the specification under which the pipe was manufactured.	Safety Subchapter II Additions to 49 CFR Part 192	
<b>39. Design/Install Requirement</b>	Part 192.55	Pipe manufactured from steel made by the Bessemer process shall not be used	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.055 Steel pipe addition
<b>40. Design/Install Requirement</b>	Part 192.125	Fittings in copper piping and exposed to the soil, such as service tees and pressure control fittings, shall be made of bronze, copper or brass	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.125 Design of copper pipe addition
<b>41. Design/Install Requirement</b>	Part 192.163	All compressor station buildings shall be constructed of Non-combustible materials, Exits shall be provided in compliance with the requirements of the Wisconsin Commercial Building Code, chs. Comm 60 to 65. Ladders shall not be used for exits. All electrical equipment and wiring installed in gas transmission and distribution compressor stations shall conform to the requirements of the	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.163 Compressor stations: design and construction additions





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		state electrical code, chs. Comm 16 and PSC 114.		
42. Design/Install Requirement	Part 192.171	Fire protection. Fire-protection facilities shall be provided as specifically directed by the department of commerce and the local fire department. The operation of fire-protection facilities, such as pumps, shall not be affected by an emergency shutdown	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.171 Compressor stations: additional safety equipment addition
43. Design/Install Requirement	Part 192.173	There shall be compliance with the state heating, ventilation, and air conditioning code.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.173 Compressor stations: ventilation addition
44. Design/Install Requirement	Part 192.181	The distance between the valve and the regulator or regulators shall be sufficient to permit the operation of the valve during an emergency such as a large gas leak or a fire in the station. These valves shall be in accessible locations neither closer than 25 feet nor more than 1,500 feet distant from each regulator station	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.181 Distribution line valves addition
45. Design/Install Requirement	Part 192.183	In the design of vaults and pits for pressure limiting, pressure relieving and pressure regulating equipment, the installed equipment shall be protected from damage, such as that resulting from an explosion within the vault or pit, which may	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.183 Vaults: structural design requirements additions





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		cause portions of the roof or cover to fall into the vault.		
46. Design/Install Requirement	Part 192.183	Vault or pit openings shall be located so as to minimize the hazards of tools or other objects falling upon the regulator, piping, or other equipment. The control piping and the operating parts of the equipment installed shall not be located under a vault or pit opening where workers can step on them when entering or leaving the vault or pit, unless such parts are suitably protected. Whenever a vault or pit opening is to be located above equipment which could be damaged by a falling cover, a circular cover should be installed or other suitable precautions taken.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.183 Vaults: structural design requirements additions
47. Design/Install Requirement	Part 192.187	The outside end of the ducts shall be equipped with a suitable weatherproof fitting or vent-head designed to prevent foreign matter from entering or obstructing the duct. The effective area of the openings in such fittings or vent-heads shall be at least equal the cross-sectional area of a 4-inch duct. The horizontal section of the ducts shall be as short as practical and	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.187 Vaults: sealing, venting, and ventilation addition





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		shall be pitched to prevent the accumulation of liquids in the line. The number of bends and offsets shall be reduced to a minimum and provisions shall be incorporated to facilitate the periodic cleaning of the ducts		
48. Design/Install Requirement	Part 192.189	Equipment shall operate safely if submerged. Electrical equipment in vaults shall conform to the applicable requirements of the state electrical code.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.189 Vaults: drainage and waterproofing additions
49. Design/Install Requirement	Part 192.195	Prescribes 6 types of suitable devices that are allowed for high pressure distribution systems. Prescribes 5 types of suitable devices for low pressure distribution systems. Prescribes 2 types of suitable devices that are allowed for bottle tight holders.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.195 Protection against accidental over pressuring additions
50. Design/Install Requirement	Part 192.197	The service regulator shall be of a type that is capable under normal operating conditions of regulating the downstream pressure within the limits of s. PSC 134.23 and of limiting the build-up of pressure under no-flow conditions to 50% or less of the discharge pressure maintained under flow conditions.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.197 Control of the pressure of gas delivered from high-pressure distribution systems additions





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<b>51. Design/Install Requirement</b>	Part 192.197	In addition to the provisions of 49 CFR 192.197(a) and (b), if the maximum actual operating pressure of the distribution system is greater than low pressure and is equal to or less than 60 p.s.i.g., a suitable protective device shall be installed to prevent unsafe overpressuring of the customer's appliances should the service regulator fail. These devices may be installed as an integral part of the service regulator or as a separate unit. Some of the suitable types of protective devices to prevent overpressuring of customers' appliances are: (1) A monitoring regulator. (2) A relief valve. (3) An automatic shut-off device.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.197 Control of the pressure of gas delivered from high-pressure distribution systems additions
<b>52. Design/Install Requirement</b>	Part 192.197	Breather vents shall be provided on all service regulators	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.197 Control of the pressure of gas delivered from high-pressure distribution systems additions
<b>53. Design/Install Requirement</b>	Part 192.199	Outlet ports shall be insect-proof and consideration shall be given to all exposures in the immediate vicinity including windows or locations where gas can enter confined areas;	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.199 Requirements for design of pressure relief and limiting devices additions





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54. Design/Install Requirement	Part 192.199	Precautions shall be taken to prevent unauthorized operation of any valve which will make pressure limiting devices inoperative. This provision applies to isolating valves, by-pass valves, and valves on control or float lines which are located between the pressure limiting device and the system which the device protects. 2 methods are specified for compliance	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.199 Requirements for design of pressure relief and limiting devices additions
55. Design/Install Requirement	Part 192.203	The company operating the pipelines shall take specified precautions where gas pipelines parallel overhead electric transmission lines on the same right-of-way,	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.204 Addition
56. Design/Install Requirement	Part 192.245	Precautions to Avoid Explosions of Gas-Air Mixtures or Uncontrolled Fires During Construction Operations are specified as requirements	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.246 Addition
57. Design/Install Requirement	Part 192.279	Copper pipe shall be joined by using either a compression type coupling or a brazed or soldered lap joint. The filler material used for brazing shall be a copper-phosphorous alloy or silver base alloy. Butt welds are not permissible for joining copper pipe or	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.279 Copper pipe addition





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
58. Design/Install Requirement	Part 192.307	tubing The field inspection provided on each job shall be suitable to reduce to an acceptable minimum the chances that gouged or grooved pipe will get into the finished transmission line or main. Inspection for this purpose just ahead of the coating operation and during the lowering in and backfill operation is required.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.307 Inspection of materials addition
59. Design/Install Requirement	Part 192.309	Due primarily to climate conditions, gouges, grooves, notches, and dents have been found to be an important cause of steel pipe failures and an attempt shall be made to prevent or eliminate harmful defects of this nature.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.309 Repair of steel pipe addition
60. Design/Install Requirement	Part 192.319	Requirement of grading the ditch so that the pipe has a firm, substantially continuous bearing on the bottom of the ditch. When long sections of pipe that have been welded alongside the ditch are lowered in, care shall be exercised so as not to jerk the pipe or impose any strains that may kink or put a permanent bend in the pipe.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.319 Installation of pipe in a ditch additions
61. Design/Install Requirement	Part 192.321	The casing pipe shall be reamed and cleaned to the extent necessary to remove any sharp	Wisconsin Administrative Code, Public Service Commission (PSC)	PSC 135.321 Installation of plastic pipe additions





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		edges, projections, or abrasive material which could damage the plastic during and after insertion. That portion of the plastic piping which spans disturbed earth shall be adequately protected by a bridging piece or other means from crushing or shearing from external loading or settling of backfill. Care shall be taken to prevent the plastic piping from bearing on the end of the casing.	Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	
<b>62. Design/Install Requirement</b>	Part 192.323	Casing requirements of highway authorities shall be followed; however, construction type shall not be any less than provided by 49 CFR 192.323	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.323 Casing addition
<b>63. Design/Install Requirement</b>	Part 192.323	Whenever a steel pipeline is installed under a railroad track and a casing is not used, the operator shall install the pipeline using the methods prescribed in Gas Research Institute report number GRI-91/0285, entitled "Guidelines for Pipelines Crossing Railroads and Highways."	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.324 Addition
<b>64. Design/Install Requirement</b>	Part 192.325	No distribution main or transmission line shall be installed under buildings.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR	PSC 135.325 Underground clearance addition





# Wisconsin

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65. Design/Install Requirement	Part 192.355	At locations where service regulators might be submerged during floods, either a special anti-flood type breather vent fitting shall be installed, or the vent line shall be extended above the height of the expected flood waters	Part 192 Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.355 Customer meters and regulators: protection from damage additions
66. Design/Install Requirements	Part 192.371	Requirements for protecting coating of steel services when boring or driving through rocky soils	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.371 Service lines: steel addition
67. Design/Install Requirement	Part 192.377	Copper service lines installed within a building may not be concealed. Ferrous valves and fittings installed on underground copper service lines shall be protected from contact with the soil or insulated from the copper pipe.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.377 Service lines: copper additions
68. Design/Install Requirement	Part 192.629	No pipeline, main, or service shall be purged into any building or confined space.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.629 Purging of pipelines addition
69. Design/Install Requirements	Part 192.713	Gouges and grooves of lesser depth than 10% of the nominal wall thickness of the pipe may be removed by grinding out to a smooth contour provided the grinding does not reduce the	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.713 Transmission lines: permanent field repair of imperfections and damages addition





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
		remaining wall thickness to less than the minimum prescribed by 49 CFR 192 for the conditions of use.		
<b>70. Design Install Requirements</b>	Part 192.735	All aboveground oil or gasoline storage tanks shall be constructed and protected in accordance with ch. Comm 10.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.735 Compressor stations: storage of combustible materials addition
<b>71. Design Install Requirements</b>	Part 192.741	Each low pressure distribution system shall be equipped with telemetering or recording pressure gage or gages as may be required to properly indicate the gas pressure in the system at all times. At least once each year the pressure variation shall be determined throughout each system.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.741 Pressure limiting and regulating stations: telemetering or recording gauges addition
<b>72. Risk Based Approaches</b>	Part 192.719	If inspections at any time reveal an injurious defect, gouge, groove, dent, or leak, immediate temporary measures shall be employed to protect the property and public if it is not feasible to make permanent repair at time of discovery. As soon as feasible, permanent repairs shall be made using recognized methods of repair.	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.720 Addition
<b>73. Enhanced Record</b>	Part 192.613	Whenever underground pipes are	Wisconsin Administrative Code,	PSC 135.613 Continuing





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
Keeping		exposed in order to repair leaks, the utility shall record on the repair order the nature of the leak and possible cause from observation.	Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	surveillance additions
74. Inactive Services	Part 192.727	Special efforts shall be made to include services which have not been used for ten years in a way that will remove gas from the customers' premises. The plan shall include all of the following provisions: (1) If the facilities are abandoned in place, they shall be physically disconnected from the main at the service tee. The open ends of all abandoned facilities shall be capped, plugged, or otherwise effectively sealed. (2) In cases where a main is abandoned, together with the service lines connected to it, insofar as service lines are concerned, only the customers' end of such service lines need be sealed. (3) Until the time a service is abandoned, it shall be treated as active for purposes of applying the regulations of 49 CFR 192. If a service line is not treated as an active line, it shall be physically disconnected at the main and purged, no	Wisconsin Administrative Code, Public Service Commission (PSC) Chapter 135 Gas Safety Subchapter II Additions to 49 CFR Part 192	PSC 135.727 Abandonment or deactivation of facilities addition





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
75. <b>State Inspection Program</b>	Part 190.203	later than 2 years after becoming inactive More Frequent Inspections/Contacts and Detailed Audits	None	Inspection Forms and Frequency Operator Inspections

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## Wyoming

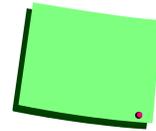
### Key Stats

State Agency	Wyoming Public Service Commission
Division	Pipeline and Water Division
Department	Gas and Pipeline Safety Program
Web	<a href="http://psc.state.wy.us/htdocs/pipe_water_new.htm">http://psc.state.wy.us/htdocs/pipe_water_new.htm</a>
Regulated Intrastate Pipeline Systems	38 (11 distribution, 23 transmission, 4 gathering)
Regulated Master Meter Operators	0
Regulated LNG Systems	1
Regulated Hazardous Liquid Systems	1
Quantity of State Pipeline Safety Initiatives that exceed CFR 190-199	0
	13

### Applicable Requirement in CFR

Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
1. <b>Enhanced Reporting</b>	Part 191.3	In addition to notifying the NRC Requires notifications within 2 hours of all incidents	Wyoming Public Service Commission Current Rules and Regulations Chapter IV, Special Regulations Gas Utilities Only	Section 420 (a (i)) Additional Gas Utility Interruption Reporting
2. <b>Enhanced Reporting</b>	Part 191.3	Requires notifications within 2 hours of all outages greater than 25 customers	Wyoming Public Service Commission Current Rules and Regulations Chapter IV, Special Regulations Gas Utilities Only	Section 420 (a (ii)) Additional Gas Utility Interruption Reporting
3. <b>Enhanced Reporting</b>	Part 191.3	Requires notifications within 2 hours of all building evacuations involving gas affecting greater than 25 <b>people</b>	Wyoming Public Service Commission Current Rules and Regulations Chapter IV, Special Regulations Gas Utilities Only	Section 420 (a (iii)) Additional Gas Utility Interruption Reporting
4. <b>Enhanced Reporting</b>	Part 191.3	Requires quarterly reporting of all major, minor, sustained service interruptions	Wyoming Public Service Commission Current Rules and Regulations Chapter IV, Special Regulations Gas	Section 420 (b) Additional Gas Utility Interruption Reporting





Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
5. <b>Enhanced Reporting</b>	Part 191.3	Requires monthly construction progress reports and completion report within 180 days of finish	Utilities Only Wyoming Public Service Commission Current Rules and Regulations Chapter II, General Regulations	Section 229 Construction Reports
6. <b>Enhanced Reporting</b>	Part 191.3	Requires 5 year forecast of construction projects	Wyoming Public Service Commission Current Rules and Regulations Chapter II, General Regulations	Section 230 Construction Forecast Reports
7. <b>Enhanced Reporting</b>	Part 191.3	Requires Incident Reports at \$2K level	Wyoming Public Service Commission Current Rules and Regulations Chapter II, General Regulations	Section 233 Incident Reports
8. <b>Enhanced Reporting</b>	Part 191.3	Requires updated contact list of supervisors every 6 months	Wyoming Public Service Commission Current Rules and Regulations Chapter IV, Special Regulations Gas Utilities Only	Section 420 (c) Additional Gas Utility Interruption Reporting
9. <b>Enhanced Record Keeping</b>	Part 192.605	Requires Maps to contain size, character, location, drip, street valve, district regulator & service connection updated no later than 180 days	Wyoming Public Service Commission Current Rules and Regulations Chapter IV, Special Regulations Gas Utilities Only	Section 401 (d) Records
10. <b>Enhanced Record Keeping</b>	Part 192.605	Requires pressure charts of supply points for 3 years	Wyoming Public Service Commission Current Rules and Regulations Chapter IV, Special Regulations Gas Utilities Only	Section 401 (b) Records
11. <b>Enhanced Record Keeping</b>	Part 192.605	Requires meter records of capacity, purchase, id #, type, capacity, manufacturer and location	Wyoming Public Service Commission Current Rules and Regulations Chapter IV, Special Regulations Gas Utilities Only	Section 401 (e) Records
12. <b>Enhanced Record Keeping</b>	Part 192.605	Requires calibration of equipment identified and records kept for 10 Years	Wyoming Public Service Commission Current Rules and Regulations Chapter II,	Section 247 Program for Calibration Recertification of





# Wyoming

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Category	Federal Regulation Part/SubPart	Additional or More Stringent State Requirement	State Source Type {Law/Rule/Order}	State Source Detail
13. State Inspection Program	Part 190.203	More Frequent Inspections/Contacts and Detailed Audits	General Regulations None	Equipment. Inspection Forms and Frequency Operator Inspections

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# Appendix

## State Pipeline Safety Initiatives that Exceed Federal Code

The following pages contain a Summary of Pipeline Initiatives Description for Each State



