

GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS

2003 EDITON

ADDENDUM NO. 5 - 2006, May 2006

The changes in this addendum are marked by wide vertical lines inserted to the left of modified text or by overwriting the left border of most tables. The Federal Regulations were changed by 1 amendment that affected 7 sections of the guide. Fourteen transactions affected 16 sections of the guide.

Editorial updates include application of the Editorial Guidelines, updating reference titles, adjustments to page numbering, and adjustment of text on pages. While only significant editorial updates are marked, all affected pages carry the current addendum footnote. Editorial updates affected 15 sections of the guide.

The following table shows the affected sections, the pages to be removed, and their replacement pages.

FS Amendment - Amdt. Number
New or Updated GM - TR Number
GM Under Review - GMUR
Editorial Update - EU

Guide Section	Reason For Change	Pages to be Removed	Replacement Pages
Title Page	EU	i/ii thru ix/x	i/ii thru ix/x
Table of Contents	EU		
Historical Reconstruction of Part 192	EU	xxiii/xxiv, xxvii/xxviii, xxix/xxx	xxiii/xxiv, xxvii/xxviii, xxix/xxx
Historical Record of Amendments to Part 192	EU	xlvi/xlviii thru lv/lvi	xlvi/xlviii thru lix/lx
Membership List	EU		
192.1	EU, Amdt 192-102	11/12 thru 27/28	11/12 thru 28(g)/28(h)
192.3	TR04-62		
192.7	EU, Amdt 192-102, TR04-09		
192.8	EU, Amdt 192-102		
192.9	EU, Amdt 192-102		
192.13	EU, Amdt 192-102		
192.311	TR03-26	111/112 and 113/114	111/112 and 113/114
192.452	EU, Amdt 192-102	143/144 thru 149/150	143/144 thru 149/150
192.619	EU, Amdt 192-102	211(b)/212 thru 215/216	211(b)/212 thru 215/216
192.736	TR03-28	241/242 thru 249-250	241/242 thru 249-250
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192.741	TR03-27		
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192.747	EU, TR03-44		
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192.909	TR04-36		
192.923	TR04-43		
192.935	TR04-49	262(s)/262(t)	262(s)/262(t) and 262(t-1)/262(t-2)
192.949	TR04-56	262(aa)/262(ab)	262(aa)/262(ab) thru 262(ab-5)/262(ab-6)
Appendix A	TR05-08	262(ai)/262(aj)	262(ai)/262(aj)
GMA G-192-1	EU, TR04-35, TR04-56	263/264	263/264
		313/314, 321/322, 323/324	313/314, 321/322, 323/324

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PLEASE NOTE

Addenda to this Guide will also be issued in loose-leaf format so that users will be able to keep the Guide up-to-date by replacing the pages that have been revised with the new pages. It is advisable, however, that pages which have been revised be retained so that the chronological development of the Federal Regulations and the Guide is maintained.

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	192.469	08/01/71	192-4, 192-27
	192.471	08/01/71	192-4
	192.473	08/01/71	192-4, 192-33
	192.475	08/01/71	192-4, 192-33, 192-78, 192-85
	192.477	08/01/71	192-4, 192-33
	192.479	08/01/71	192-4, 192-33, 192-93
	192.481	08/01/71	192-4, 192-27, 192-33, 192-93
	192.483	08/01/71	192-4
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	192.491	08/01/71	192-4, 192-33, 192-78

HISTORICAL RECONSTRUCTION OF PART 192

(Continued)

Part 192 Subpart	Part 192 Section	Effective Date of Original Version if other than 11/12/70	Amendments (if any)
SUBPART J - TEST REQUIREMENTS	192.501 192.503 192.505 192.507 192.509 192.511 192.513 192.515 192.517		192-58, 192-60, 192-60A 192-85, 192-94 192-58, 192-85 192-58, 192-85 192-75, 192-85 192-77, 192-85 192-93
SUBPART K - UPRATING	192.551 192.553 192.555 192.557		192-78, 192-93 192-37, 192-62, 192-85
SUBPART L - OPERATIONS	192.601 192.603 192.605 192.607 192.609 192.611 192.612 192.613 192.614 192.615 192.616 192.617 192.619 192.621 192.623 192.625 192.627 192.629	 01/06/92 04/01/83 02/11/95	192-27A Ext., 192-66, 192-71, 192-75 192-27A Ext., 192-59, 192-71, 192-71A, 192-93 192-5, 192-78 (removed and reserved) 192-5, 192-53, 192-63, 192-78, 192-94 192-67, 192-85, 192-98 192-40, 192-57, 192-73, 192-78, 192-82, 192-84 + DFR Removal 192-24, 192-71 192-71, 192-99 192-3, 192-27, 192-27A, 192-30, 192-78, 192-85, 192-102 192-85 192-75 192-2, 192-6, 192-7, 192-14, 192-15, 192-16, 192-21, 192-58 192-76, 192-78, 192-93

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HISTORICAL RECORD OF AMENDMENTS TO PART 192

(Continued)

Amdt 192-	Subject	Vol FR Pg#	Published Date	Docket No.	Effective Date	Affected Sections 192.
95	Pipeline Integrity Management	68 FR 69778	12/15/03	RSPA 00-7666	01/14/04	901, 903, 905, 907, 909, 911, 913, 915, 917, 919, 921, 923, 925, 927, 929, 931, 933, 935, 937, 939, 941, 943, 945, 947, 949, 951, App. A & E
95	Correction	69 FR 2307	01/15/04	RSPA 00-7666	02/14/04	Correct Effective Date
95	Correction & Petition for Reconsideration	69 FR 18228	04/06/04	RSPA 00-7666	04/06/04	9, 903, 909, 911, 913, 917, 921, 925, 927, 929, 933, 935, 937, 939, 941, 943, 945, 947, App. A & E
95	Correction	69 FR 29903	05/26/04	RSPA 00-7666	05/26/04	903, 925, 935, App. E
96	Pressure Limiting and Regulating Stations*	69 FR 27861	05/17/04	RSPA 02-13208	09/14/04	739, 743
96	DFR Confirmation	69 FR 54248	09/08/04	RSPA 02-13208	10/08/04	739, 743

HISTORICAL RECORD OF AMENDMENTS TO PART 192

(Continued)

Amdt 192-	Subject	Vol FR Pg#	Published Date	Docket No.	Effective Date	Affected Sections 192.
97	Passage of Internal Inspection Devices	69 FR 36024	06/28/04	RSPA 03-16330	07/28/04	150
98	Periodic Underwater Inspections	69 FR 48400	08/10/04	RSPA 97-3001	09/09/04	3, 327, 612
99 (Shown as 100)	Pipeline Operator Public Awareness Program	70 FR 28833	05/19/05	RIN 2137-AD96	06/20/05	7, 616
99	Correction	70 FR 35041	06/16/05	RIN 2137-AD96	06/20/05	Corr. Amdt. No., 616
100	Operator Qualifications; Statutory Changes*	70 FR 10332	03/03/05	RSPA 03-15734	07/01/05	805, 809
100	DFR Confirmation	70 FR 34693	06/15/05	RSPA 03-15734	07/15/05	805, 809
--	Agency Reorganization	70 FR 11135	03/08/05	RIN 2137-AD77	03/08/05	1, 3, 7, 10, 727, 949, 951
101	Standards for Direct Assessment of Gas and Hazardous Liquid Pipelines	70 FR 61571	10/25/05	RIN 2137-AD97	11/25/05	490

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HISTORICAL RECORD OF AMENDMENTS TO PART 192

(Continued)

Amdt 192-	Subject	Vol FR Pg#	Published Date	Docket No.	Effective Date	Affected Sections 192.
102	Gas Gathering Line Definition	71 FR 13289	03/15/06	RIN 2137- AB15	04/14/06	1, 7, 8, 9, 13, 452, 619
* Issued as a Direct Final Rule (DFR).						

11/11/2006 10:11:11 AM

GAS PIPING TECHNOLOGY COMMITTEE MEMBERSHIP LIST

Abbreviations: Chairperson: Chair First Vice Chairperson: 1 st V Chair Second Vice Chairperson: 2 nd V Chair Secretary: Sec Damage Prevention - Emergency Response: DP/ER Operation and Maintenance: O&M	Main Body	DIVISIONS			TASK GROUPS					SECTIONS			
		Distribution	Manufacturers	Transmission	Design	DP/ER	IMP/Corrosion	O&M/OQ	Plastic Pipe	Regulations	Editorial	Executive	Liaison
Abraham, Richard A. New England Gas Co., Providence, RI	X	X				X					X		
Affonso, Joaquin J. Consumers Energy Co., Jackson, MI	X			X		X	X						
Alexander, Thomas D. Willbros Engr., Inc., Tulsa, OK	X			X	X								
Armstrong, Glen F., Jr. EN Engineering, Woodridge, IL	X	Chair				X	X		X	X		X	
Barkei, David E. We Engeries, Milwaukee, WI		X			X		X						
Batten, Charles H. Batten & Associates., Inc., Locust Grove, VA	X	X				X		X					
Beaver, Brett Advantica, Carlise, PA		X			X		X						
Becken, Robert C. Energy Experts Int. Pleasant Hill, CA				X	X			X			X		
Bennett, Frank M. PPL Gas Utilities Corp., Lancaster, PA		X				X	X						
Bezner, William A. CSR PolyPipe, Inc., Gainesville, TX			X						X				
Blaney, Steven D. NY State Dept. of Public Service, Albany, NY	X	X				X	X				X		

GAS PIPING TECHNOLOGY COMMITTEE MEMBERSHIP LIST

(Continued)

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Blanton, Glynn TN Regulatory Authority, Nashville, TN		X				X		X					
Booth, Lloyd E. Southern Cross Corp., Coppell, TX			X		X			X					
Boros, Stephen Plastics Pipe Institute, Washington, DC			X						X				
Borski, Lawrence W. Williams Gas Pipeline-Transco, Houston, TX				X				X					
Bull, David E. ViaData LP, Tobyhanna, PA		X				SEC		X					
Burnley, Steven P. Columbia Gas Trmn. Corp., Binghamton, NY				X	X					X	X		
Cabot, Paul W. American Gas Association, Washington, DC	SEC											SEC	
Cadorin, Robert J. Great Lakes Gas Trmn. Co., Troy, MI				X				X					
Caldwell, Joseph C. Caldwell & Assoc., Arlington, VA	X			X								X	Chair
Carey, Willard S. Public Service Elec. & Gas Co., Newark, NJ	X	X				X		Chair					

GAS PIPING TECHNOLOGY COMMITTEE MEMBERSHIP LIST

(Continued)

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		Distribution	Manufacturers	Transmission	Design	DP/ER	IMP/Corrosion	O&M/OQ	Plastic Pipe	Regulations	Editorial	Executive	Liaison
Chin, John S. El Paso Corp., Farmington Hills, MI	X			X	X	X	Chair			X		X	
Clarke, Allan M. Duke Energy Corp., Houston, TX				Sec	X	X	X						
Cody, Leo T. KeySpan Corp., Waltham, MA		X				X		X					
Craig, Jim M. McElroy Mfg., Inc., Tulsa, OK			X					X	X				
De Leon, Cesar PanAm P/L Technology, Inc., San Antonio, TX	X			X				X					
Del Buono, Amerigo J. Steel Forgings, Inc., League City, TX	X		Chair									X	
DeVore, James C. Consultant, Green Valley, AZ	X		X		X		X		X				
Dockweiler, Kenneth D. Kinder Morgan, Inc., Casper, WY		X				X		X					
Erickson, John P. American Public Gas Association, Washington, DC		X						X					
Fleet, F. Roy F. Roy Fleet, Inc., Westmont, IL	X			X		X					X		
Prantz, John H. PECO Energy, Philadelphia, PA	Chair											X	

GAS PIPING TECHNOLOGY COMMITTEE MEMBERSHIP LIST

(Continued)

	Main Body	DIVISIONS			TASK GROUPS					SECTIONS			
		Distribution	Manufacturers	Transmission	Design	DP/ER	IMP/Corrosion	O&M/OQ	Plastic Pipe	Regulations	Editorial	Executive	Liaison
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Frederick, Victor M., III Utility Line Services, Conshohocken, PA		X						X	X				
Fuller, William R. Xcel Energy, Inc., Denver, CO	X	X			X		X		X				
Groeber, Steve A. Philadelphia Gas Works, Philadelphia, PA		X				X		X	X		X		
Gunther, Karl M. NTSB, Washington, DC	X	X							X				
Hansen, Jim Perfection Corp., Madison, OH			X				X						
Hart, Thomas L. NSTAR Electric & Gas Corp., Westwood, MA		X				X		X					
Hazelden, Glyn Gas Technology Institute, Des Plaines, IL		X				X		X					
Heintz, James R. UGI Utilities, Inc., Reading, PA	X	X				X	X		Chair	X		X	
Henningsgaard, David R. CenterPoint Energy-Minnegasco, Minneapolis, MN		X			X	X		X					
Henry, Jill A. Ohio PUC, Columbus, OH	X	X				X			X				
Hotinger, James M. VA State Corp. Comm., Richmond, VA		X				X	X						

GAS PIPING TECHNOLOGY COMMITTEE MEMBERSHIP LIST

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Humes, Dennis W. Mueller Co.- Gas Products Div., Decatur, IL	X		X							X			
Hurbanek, Stephen F. Pennsylvania PUC, Darlington, PA		X				X							
Huriaux, Richard D. PHMSA, Washington, DC	X			X			X						
Kirkland, David L. Columbia Gas Trmn. Corp., Charleston, WV				X		X	X						
Kottwitz, John D. MO Public Service Comm., Jefferson City, MO	X	X				Chair		X			X	X	
Lathrap, Philip A. Retired-Pacific Gas & Elec. Co., Lafayette, CA	X	X			X	X		X					
Lewis, Raymond D. Rosen USA, Houston, TX	X			X			X						
Lively, Karen S. Performance Pipe, Plano, TX			X		X				X				
Loker, Jon O. Pipeline Safety Consultant, Saint Albans, WV	X			X							Chair	X	
Lomax, George S. Heath Consultants, Inc., Montoursville, PA	X		X			X		X					
Lueders, John D. DTE Energy - MichCon, Grand Rapids, MI		X				X		X					

GAS PIPING TECHNOLOGY COMMITTEE MEMBERSHIP LIST

(Continued)

	Main Body	DIVISIONS			TASK GROUPS					SECTIONS			
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Mackay-Smith, Seth UMAC, Inc., Exton, PA	X		X		X	X							
Marek, Marti Southwest Gas Corp., Las Vegas, NV	1 st V Chair	X				X	X				X		
Mason, James F. Arkema, Inc., King of Prussia, PA			X						X				
McMaine Jeffrey B. Texas Gas Trmn., LLC, Owensboro, KY				X	X		X						
Miller, D. Lane Transportation Safety Inst., Oklahoma City, OK	X	X					X		X		Sec		
Moore, Clarence W. Dominion, Cleveland, OH		X				X			X				
Naper, Robert C. KeySpan Corp., Waltham, MA		X				X							
Oleksa, Paul E. Oleksa & Assoc., Akron, OH	X	X			X		X				X		
Palermo, Eugene F. Palermo Plastics Pipe Consulting, Oak Hill, VA	X		X		X				X				
Peters, Kenneth C. El Paso Corp. Pipeline Group, Birmingham, AL	X			Chair		X		X				X	
Pioli, Christopher A. Jacobs Consultancy, Pasadena, CA		X			X	X	X						

GAS PIPING TECHNOLOGY COMMITTEE MEMBERSHIP LIST

(Continued)

	Main Body	DIVISIONS			TASK GROUPS					SECTIONS			
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Quezada, Leticia Nicor Gas, Naperville, IL	X	X				X			X	Chair		X	
Reynolds, Donald Lee NiSource Inc., Columbus, OH		X			Chair		X					X	
Roberson, Edwin H. Natural Gas Odorizing, Katy, TX			X					X					
Robertson, Joseph P. Williams Gas Pipeline-NW, Salt Lake City, UT				X		X	X						
Schmidt, Robert A. Trinity Industry, Russellville, AR	X		X		X								
Scott, Edward W. AmerenIP, Pawnee, IL		X					X		X				
Seamands, Patrick A. Laclede Gas Co., Saint Louis, MO		X				X			X		X		
Sher, Philip CT Dept. Public Utility Control, New Britain, CT	2 nd V Chair											X	
Siedlecki, Walter AEGIS Insurance Services, Inc., Jersey City, NJ		X						X					
Slagle, Richard Vectren Energy Delivery of OH, Evansville, IN		SEC				X			X				
Sprenger, Roger W. San Diego Gas & Elec. Co., San Diego, CA		X				X		X					

GAS PIPING TECHNOLOGY COMMITTEE MEMBERSHIP LIST

(Continued)

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Strohm, Billy J. George Fischer Sloane, Little Rock, AR			X						X				
Tetto, Anthony AEGIS Insurance Services, Inc., Jersey City, NJ		X						X	X				
Themig, Jerome S. Ameren Services Co., Pawnee, IL		X				X	X	X					
Torbin, Robert Cutting Edge Solutions, LLC, Framingham, MA		X					X						
Troch, Steven J. Baltimore Gas & Electric Co., Baltimore, MD		X					X						
Ulanday, Alfredo S. Peoples Energy Corp., Chicago, IL		X				X		X					
Veerapaneni, Ram DTE Energy - MichCon, Detroit, MI		X				X	X				X		
Volgstadt, Frank R. Volgstadt & Associates, Inc., Madison, OH	X		SEC						SEC				
Weber, David E. Keyspan Corp., Waltham, MA	X	X							X		X		
Wilkes, Al Performance Pipe, Plano, TX			X		X				X				
Wolf, Brian D. Iroquois Pipeline Operating Co., Shelton, CT					X	X	X						

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GAS PIPING TECHNOLOGY COMMITTEE MEMBERSHIP LIST

(Continued)

	Main Body	DIVISIONS			TASK GROUPS					SECTIONS			
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Abbreviations: Chairperson: Chair First Vice Chairperson: 1 st V Chair Second Vice Chairperson: 2 nd V Chair Secretary: Sec Damage Prevention - Emergency Response: DP/ER Operation and Maintenance: O&M				X	X								
Wolf, Russell A. Willbros Engr., Inc., Tulsa, OK				X									
Zapalac, Daniel P. R.W. Lyall & Co., Inc., Corona, CA			X						X				

Reserved

PART 192

MINIMUM FEDERAL SAFETY STANDARDS

Authority: 49 U.S.C. 5103, 60102, 60104, 60108, 60109, 60110, 60113, and 60118; and 49 CFR 1.53.

Source: 35 FR 13257, Aug. 19, 1970, unless otherwise noted.

SUBPART A GENERAL

§192.1

What is the scope of this part?

[Effective Date: 4-14-06]

(a) This part prescribes minimum safety requirements for pipeline facilities and the transportation of gas, including pipeline facilities and the transportation of gas within the limits of the outer continental shelf as that term is defined in the Outer Continental Shelf Lands Act (43 U.S.C. 1331).

(b) This part does not apply to—

(1) Offshore gathering of gas in State waters upstream from the outlet flange of each facility where hydrocarbons are produced or where produced hydrocarbons are first separated, dehydrated, or otherwise processed, whichever facility is farther downstream;

(2) Pipelines on the Outer Continental Shelf (OCS) that are producer-operated and cross into State waters without first connecting to a transporting operator's facility on the OCS, upstream (generally seaward) of the last valve on the last production facility on the OCS. Safety equipment protecting PHMSA-regulated pipeline segments is not excluded. Producing operators for those pipeline segments upstream of the last valve of the last production facility on the OCS may petition the Administrator, or designee, for approval to operate under PHMSA regulations governing pipeline design, construction, operation, and maintenance under 49 CFR 190.9.

(3) Pipelines on the Outer Continental Shelf upstream of the point at which operating responsibility transfers from a producing operator to a transporting operator;

(4) Onshore gathering of gas—

(i) Through a pipeline that operates at less than 0 psig (0 kPa);

(ii) Through a pipeline that is not a regulated onshore gathering line (as determined in §192.8); and

(iii) Within inlets of the Gulf of Mexico, except for the requirements in §192.612.

(5) Any pipeline system that transports only petroleum gas or petroleum gas/air mixtures to—

(i) Fewer than 10 customers, if no portion of the system is located in a public place; or

(ii) A single customer, if the system is located entirely on the customer's premises (no matter if a portion of the system is located in a public place).

[Amdt. 192-27, 41 FR 34598, Aug. 16, 1976; Amdt. 192-67, 56 FR 63764, Dec. 5, 1991; Amdt. 192-78, 61 FR 28770, June 6, 1996 with Amdt. 192-78 Correction, 61 FR 30824, June 18, 1996; Amdt. 192-81, 62 FR 61692, Nov. 19, 1997 with Amdt. 192-81 Confirmation, 63 FR 12659, Mar. 16, 1998; Amdt. 192-92, 68 FR 46109, Aug. 5, 2003; RIN 2137-AD77, 70 FR 11135, Mar. 8, 2005; Amdt. 192-102, 71 FR 13289, Mar. 15, 2006]

GUIDE MATERIAL

This guide material is under review following Amendment 192-102.

- (a) The guide material presented in this Guide includes information and some of the acceptable methods to assist the operator in complying with the Minimum Federal Safety Standards. The recommendations contained in the Guide are based on sound engineering principles, developed by a committee balanced in accordance with accepted committee procedures, and must be applied by the use of sound and competent engineering judgment. The guide material is advisory in nature and should not restrict the operator from using other methods of complying. In addition, the operator is cautioned that the guide material may not be adequate under all conditions encountered.
- (b) While this Guide is intended principally to serve natural gas pipelines, it is a valuable reference for other pipelines covered by Part 192. The user is cautioned that the unique properties and characteristics associated with other gases (e.g., density, corrosivity, and temperature extremes) may require special engineering considerations.
- (c) As used in the Guide, the terms Personnel, Employees, Workers, etc., refer to operator employees and, unless specifically noted otherwise, include other personnel as used by operators to perform Part 192 functions.
- (d) The operator is responsible for the work of a contractor performing tasks covered under Part 192. The operator should ensure that contract personnel are familiar with applicable procedures prior to the start of work.
- (e) A reference for hydrogen pipelines is OPS Report No. DOT.RSPA/DMT-10-85-1, "Safety Criteria for the Operation of Gaseous Hydrogen Pipelines", (Discontinued).
- (f) For offshore pipelines, responsibilities have been assigned to the Department of Transportation and the Department of the Interior in accordance with their Memorandum of Understanding dated December 10, 1996 (Implemented per Federal Register, Vol. 62, No. 223, November 19, 1997). See Guide Material Appendix G-192-19.
- (g) Additional state requirements may exist for intrastate facilities.

§192.3

Definitions.

[Effective Date: 5-6-05]

As used in this part:

Abandoned means permanently removed from service.

Administrator means the Administrator, Pipeline and Hazardous Materials Safety Administration or his or her delegate.

Customer meter means the meter that measures the transfer of gas from an operator to a consumer.

Distribution line means a pipeline other than a gathering or transmission line.

Exposed underwater pipeline means an underwater pipeline where the top of the pipe protrudes above the underwater natural bottom (as determined by recognized and generally accepted practices) in waters less than 15 feet (4.6 meters) deep, as measured from mean low water.

Gas means natural gas, flammable gas, or gas which is toxic or corrosive.

Gathering line means a pipeline that transports gas from a current production facility to a transmission line or main.

Gulf of Mexico and its inlets means the waters from the mean high water mark of the Gulf of Mexico and its inlets open to the sea (excluding rivers, tidal marshes, lakes and canals).

seaward to include the territorial sea and Outer Continental Shelf to a depth of 15 feet (4.6 meters), as measured from the mean low water.

Hazard to navigation means, for the purposes of this part, a pipeline where the top of the pipe is less than 12 inches (305 millimeters) below the underwater natural bottom (as determined by recognized and generally accepted practices) in waters less than 15 feet (4.6 meters) deep, as measured from the mean low water.

High pressure distribution system means a distribution system in which the gas pressure in the main is higher than the pressure provided to the customer.

Line section means a continuous run of transmission line between adjacent compressor stations, between a compressor station and storage facilities, between a compressor station and a block valve, or between adjacent block valves.

Listed specification means a specification listed in section I of Appendix B of this part.

Low-pressure distribution system means a distribution system in which the gas pressure in the main is substantially the same as the pressure provided to the customer.

Main means a distribution line that serves as a common source of supply for more than one service line.

Maximum actual operating pressure means the maximum pressure that occurs during normal operations over a period of 1 year.

Maximum allowable operating pressure (MAOP) means the maximum pressure at which a pipeline or segment of a pipeline may be operated under this part.

Municipality means a city, county, or any other political subdivision of a state.

Offshore means beyond the line of ordinary low water along that portion of the coast of the United States that is in direct contact with the open seas and beyond the line marking the seaward limit of inland waters.

Operator means a person who engages in the transportation of gas.

Outer Continental Shelf means all submerged lands lying seaward and outside the area of lands beneath navigable waters as defined in Section 2 of the Submerged Lands Act (43 U.S.C. 1301) and of which the subsoil and seabed appertain to the United States and are subject to its jurisdiction and control.

Person means any individual, firm, joint venture, partnership, corporation, association, state, municipality, cooperative association, or joint stock association, and including any trustee, receiver, assignee, or personal representative thereof.

Petroleum gas means propane, propylene, butane, (normal butane or isobutanes), and butylene (including isomers), or mixtures composed predominantly of these gases, having a vapor pressure not exceeding 208 psi (1434 kPa) gage at 100 °F (38 °C).

Pipe means any pipe or tubing used in the transportation of gas, including pipe-type holders.

Pipeline means all parts of those physical facilities through which gas moves in transportation, including pipe, valves, and other appurtenance attached to pipe, compressor units, metering stations, regulator stations, delivery stations, holders, and fabricated assemblies.

Pipeline facility means new and existing pipelines, rights-of-way, and any equipment, facility, or building used in the transportation of gas or in the treatment of gas during the course of transportation.

Service line means a distribution line that transports gas from a common source of supply to an individual customer, to two adjacent or adjoining residential or small commercial customers, or to multiple residential or small commercial customers served through a meter header or manifold. A service line ends at the outlet of the customer meter or at the connection to a customer's piping, whichever is further downstream, or at the connection to customer piping if there is no meter.

Service regulator means the device on a service line that controls the pressure of gas delivered from a higher pressure to the pressure provided to the customer. A service regulator may serve one customer or multiple customers through a meter header or manifold.

SMYS means specified minimum yield strength is:

(1) For steel pipe manufactured in accordance with a listed specification, the yield strength specified as a minimum in that specification; or

(2) For steel pipe manufactured in accordance with an unknown or unlisted specification, the yield strength determined in accordance with §192.107(b).

State means each of the several states, the District of Columbia, and the Commonwealth of Puerto Rico.