

GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS

GPTC Z380.1 - 2003 EDITON

ADDENDUM NO. 7, December 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 not changed. Six transactions affected nine 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 eight sections of the guide (plus other sections impacted by page adjustments).

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	i/ii
Contents	EU	vii/viii	vii/viii
Editorial Conventions	EU, TR06-36	xv/xvi	xv/xvi
GPTC Membership	EU	li/lii thru lix/lx	li/lii thru lix/lx
Subpart A 192.3	EU, TR04-34	19/20 and 21/22	19/20 and 21/22
Subpart G 192.311	TR03-33	111/112	111/112
192.319	EU, TR05-15	115/116	115/116
Subpart M 192.703	EU, TR03-33	223/224	223/224
Subpart O 192.903	TR04-34	262(k)/262(l) thru 262(m)/262(n)	262(k)/262(l) thru 262(n-5)/262(n-6)
192.905			
GMA G-192-1	EU, TR04-34, TR05-19	313/314, 323/324, 326(a)/326(b), 326(c)/326(d)	313/314, 323/324, 326(a)/326(b), 326(c)/326(d), 326(d-1)/326(d-2)
GMA G-192-10	TR02-06	359/360	359/360

Guide for Gas Transmission and Distribution Piping Systems

GPTC Z380.1 - 2003

Addendum No. 7 - 2007

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Author:
Gas Piping Technology Committee (GPTC) Z380
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Secretariat:
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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.

CAUTION

As part of subscription service, GPTC (using AGA as Secretariat) will try to keep subscribers informed on the current Federal Regulations as released by the Department of Transportation (DOT). This is done by periodically issuing addenda to update both the Federal Regulations and the guide material. However, the GPTC assumes no responsibility in the event the material that is automatically mailed to subscribers never reaches its destination, or is delivered late. Otherwise, the subscriber is reminded that the changes to the Regulations can be timely noted on the Federal Register's web site.

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EDITORIAL CONVENTIONS OF THE GUIDE

Practices Used in the Guide

- ◆ If the guide material does not cover all the specific elements in a section of the Federal Regulations (Regulation(s)), and there is no editorial note, no other guide material has been deemed necessary by the Gas Piping Technology Committee (Committee).
- ◆ The term “includes” does not limit any list to those items presented and means, “includes but not limited to.” This term is used in the same manner as it is used in the Regulations (reference §192.15). Further, added qualifiers such as “may” or “might” are sometimes used to emphasize that a list is not intended to set a minimum requirement or practice.
- ◆ The term “should” indicates recommendations that are not mandatory, but are to be acted upon as appropriate. As such, this guide material is advisory in nature, and operators may use it (or other equally acceptable methods) for a regulatory compliance aid.
- ◆ All figures and tables located in the guide material and appendices are designated by the corresponding Regulation section number followed by a capital letter for figures (sequentially), or lower case Roman numeral for tables (e.g., FIGURE 192.485A or TABLE 192.485i).
- ◆ The date shown in the title block for each section is the effective date of the original Regulation or its latest amendment.
- ◆ Sections of the Regulations that have been deleted are not listed by title in the Table of Contents unless reserved by the Regulations. However, the section numbers have been retained in the Guide, along with their effective date of removal (e.g., §192.57, Removed and Reserved. *[Effective 3-8-89]*).
- ◆ Sections of the Regulations having a future effective date may be presented for both the current and new requirements and with the effective date emphasized. In such case, the guide material is subject to review in light of the new requirements.

Common Notes in the Guide

- ◆ **No guide material necessary.** In the opinion of the Committee, the Regulation section is self-explanatory and no additional information is provided.
- ◆ **No guide material available at present.** The Committee has not issued guide material or has not determined if guide material is necessary.
- ◆ **This guide material is under review following Amendment 19x-yy.** The Committee is currently reviewing the amendment.
- ◆ **Discontinued or Withdrawn.** Where either of these words accompanies a listing of an industry standard or other published reference, it indicates that the document is no longer current or has been withdrawn, and may not be available from its original source. The document may be available from an alternate source. When using such a document, care should be taken to determine the validity of the material and the reason for which it was discontinued or withdrawn.
- ◆ **See §19x.xxx,** refers to Regulation Section 19x.xxx and the guide material directly beneath it.

- ◆ **See x of the guide material under §19y.yyy.** This refers to Section x of the guide material directly beneath §19y.yyy.
- | ◆ **See x above (or below).** This refers to Section x of the guide material in which the reference appears.

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. National Grid USA, Providence, RI	X	X				X					X		
Affonso, Joaquin J. Consumers Energy, Jackson, MI	X			X		X	X						
Alexander, Thomas D. Willbros Engineers, Inc., Tulsa, OK	X			X	X								
Armstrong, Glen F. 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, Mechanicsburg, PA		X			X		X						
Becken, Robert C. Energy Experts International, Pleasant Hill, CA	X			X	X			X			X		
Benedict, Andrew G. Opvantek, Inc., Newtown, PA		X						X					
Bennett, Frank M. PPL Gas Utilities Corp., Lancaster, PA		X				X	X						
Bezner, William A. PolyPipe. Inc.. Gainesville. TX			X						X				

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Blaney, Steven D. NY State Dept. of Public Service, Albany, NY	X	X				X	X				X		
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, Houston, TX				X				X					
Brown, Charles E. Novak Engineering, Inc., Jackson, MI		X				X		X					
Bull, David E. ViaData LP, Tobyhanna, PA	X	X				SEC		X					
Cabot, Paul W. American Gas Association, Washington, DC	SEC											SEC	
Cadorin, Robert J. Great Lakes Gas Trmn. Co., Troy, MI	X			SEC				X					
Carey, Willard S. Public Service Elec. & Gas Co., Newark, NJ	X	X				X		Chair				X	
Chin, John S. El Paso Corp., Farmington Hills, MI	X			X	X	X	Chair			X		X	

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Clarke, Allan M. Duke Energy Gas Trmn., Houston, TX				X	X	X	X						
Cody, Leo T. KeySpan Energy Delivery, Waltham, MA		X				X		X					
Craig, Jim M. McElroy Manufacturing, Inc., Tulsa, OK			X					X	X				
Del Buono, Amerigo J. Steel Forgings, Inc., League City, TX	X		X										
DeVore, James C. Consultant, Green Valley, AZ	X		X		X		X		X				
Dockweiler, Kenneth D. Kinder Morgan Inc., Casper, WY	X			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		
Frantz, John H. PECO Energy, Philadelphia, PA	X											X	Chair
Frederick, Victor M., III Utility Line Services, Conshohocken, PA		X						X	X				
Friend, Mary S. Columbia Gas Trmn. Corp., Charleston, WV				X		X		X					

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Fuller, William R. Xcel Energy Inc., Denver, CO	X	X			X		X		X				
Galante, Julie Washington Gas, Springfield, VA		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, James P. 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		X	X		Chair	
Henningsgaard, David R. CenterPoint Energy Minnesota Gas, Minneapolis, MN		X			X	X		X					
Henry, Jill A. Ohio PUC, Columbus, OH	X	X				X			X				

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Hotinger, James M. VA State Corp. Comm., Richmond, VA		X				X	X						
Humes, Dennis W. Mueller Co.- Gas Products Div., Decatur, IL	X		X							X			
Hurbanek, Stephen F. Pennsylvania PUC, Harrisburg, PA		X				X							
Huriaux, Richard D. PHMSA - OPS, 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	
Krummert, Lawrence M. Columbia Gas of PA, Inc., New Castle, PA		X						X					
Lathrap, Philip A. Retired-Pacific Gas & Elec. Co., Lafayette, CA	X	X			X	X		X					
Lee, Stewart W. Pacific Gas and Electric Co., Walnut Creek, CA				X	X			X					
Lewis, Raymond D. Rosen USA, Houston, TX	X			X			X						

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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					
Mackay-Smith, Seth UMAC Inc., Malvern, PA	X		X		X	X							
Marek, Marti Southwest Gas Corp., Las Vegas, NV	Chair											X	
Mason, James F. Arkema Inc., Philadelphia, PA			X						X				
McKenzie, James E. Atmos Energy Corp., Jackson, MS		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		

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Naper, Robert C. KeySpan Energy Delivery, Waltham, MA		X				X							
Oleksa, Paul E. Oleksa & Assoc., Akron, OH	X	X			X		X				X		
Palermo, Eugene F. Palermo Plastics Pipe Consulting, Friendsville, TN	X		X		X				X				
Peters, Kenneth C. El Paso Corp. Pipeline Group, Birmingham, AL	X			Chair		X		SEC				X	
Pioli, Christopher A. Jacobs Consultancy, Pasadena, CA		X			X	X	X						
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, Inc., Katy, TX			X					X					
Robertson, Joseph P. Williams Gas Pipeline-NW, Salt Lake City, UT				X		X	X						
Schmidt, Robert A. Hackney Ladish Inc., Russellville, AR	X		Chair		X							X	