

Research and Special Programs Admin., DOT

§ 171.7

Current OMB control No.	Title	Title 49 CFR part or section where identified and described
2137-0559	Rail Carriers and Tank Car Tank Requirements	§§ 172.102, Special provisions: B45, B46, B55, B61, B69, B77, B78, B81; 173.10, 173.31, 174.20, 174.50, 174.63, 174.104, 174.114, 174.204, 179.3, 179.4, 179.5, 179.6, 179.7, 179.11, 179.18, 179.22, 179.100-9, 179.100-12, 179.100-13, 179.100-16, 179.100-17, 179.102-4, 179.102-17, 179.103-1, 179.103-2, 179.103-3, 179.103-5, 179.200-10, 179.200-14, 179.200-15, 179.200-16, 179.200-17, 179.200-19, 179.201-3, 179.201-8, 179.201-9, 179.220-4, 179.220-7, 179.220-8, 179.220-13, 179.220-15, 179.220-17, 179.220-18, 179.220-20, 179.220-22, 179.300-3, 179.300-7, 179.300-9, 179.300-12, 179.300-13, 179.300-15, 179.300-20, 179.400-3, 179.400-4, 179.400-11, 179.400-13, 179.400-16, 179.400-17, 179.400-19, 179.400-20, 179.500-5, 179.500-8, 179.500-12, 179.500-18, 180.505, 180.509, 180.515, 180.517.
2137-0572	Testing Requirements for Non-Bulk Packaging ..	§§ 178.2, 178.601.
2137-0582	Container Certification Statement	§§ 176.27, 176.172.
2137-0586	Hazardous Materials Public Sector Training and Planning Grants.	Part 110.
2137-0595	Cargo Tank Motor Vehicles in Liquefied Compressed Gas Service.	§§ 173.315, 178.337-8, 178.337-9, 180.405, 180.416.

[Amdt. 171-111, 56 FR 66157, Dec. 20, 1991, as amended at 57 FR 1877, Jan. 16, 1992; Amdt. 171-121, 58 FR 51527, Oct. 1, 1993; Amdt. 171-137, 61 FR 33254, June 26, 1996; 62 FR 51558, Oct. 1, 1997; 64 FR 51915, Sept. 27, 1999; 64 FR 61220, Nov. 10, 1999; 65 FR 58619, Sept. 29, 2000]

§ 171.7 Reference material.

(a) *Matter incorporated by reference—*
 (1) *General.* There is incorporated, by reference in parts 170-189 of this subchapter, matter referred to that is not specifically set forth. This matter is hereby made a part of the regulations in parts 170-189 of this subchapter. The matter subject to change is incorporated only as it is in effect on the date of issuance of the regulation referring to that matter. The material listed in paragraph (a)(3) has been approved for incorporation by reference by the Director of the Federal Register in accordance with 5 U.S.C 552(a) and 1 CFR part 51. Material is incorporated as it exists on the date of the approval and a notice of any change in the material will be published in the FEDERAL REGISTER. Matters referenced by foot-

note are included as part of the regulations of this subchapter.

(2) *Accessibility of materials.* All incorporated matter is available for inspection at:

(i) The RSPA Records Center, Room 8421, NASSIF Building, 400 7th Street, SW., Washington, DC 20590; and

(ii) The Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

(3) *Table of material incorporated by reference.* The following table sets forth material incorporated by reference. The first column lists the name and address of the organization from which the material is available and the name of the material. The second column lists the section(s) of this subchapter, other than §171.7, in which the matter is referenced. The second column is presented for information only and may not be all inclusive.

Source and name of material	49 CFR reference
Air Transport Association of America, 1301 Pennsylvania Avenue, N.W., Washington, DC 20004-1707 ATA Specification No. 300 Packaging of Airline Supplies, Revision 19, July 31, 1996	172.102
<i>The Aluminum Association,</i> 420 Lexington Avenue, New York, NY 10017	
Aluminum Standards and Data, Seventh Edition, June 1982	172.102; 178.46 and 178.65

Source and name of material	49 CFR reference
<i>American National Standards Institute, Inc.</i> , 1430 Broadway, New York, NY 10018	
ANSI/ASHRAE 15–94, Safety Code for Mechanical Refrigeration	173.306
ANSI B16.5–77, Steel Pipe Flanges, Flanged Fittings	178.345; 178.360
ANSI N14.1 Standard for Packaging of Uranium Hexafluoride for Transport, 1971, 1982, 1987 and 1990 Editions.	173.417; 173.420
<i>American Pyrotechnics Association (APA)</i> , P.O. Box 213, Chestertown, MD 21620	
APA Standard 87–1, Standard for Construction and Approval for Transportation of Fireworks, Novelties, and Theatrical Pyrotechnics, January 23, 1998 version.	173.56
<i>American Society of Mechanical Engineers</i> , United Engineering Center, 354 47th Street, New York, NY 10017	
ASME Code, Sections II (Parts A and B), V, VIII (Division 1), and IX of 1998 Edition of American Society of Mechanical Engineers Boiler and Pressure Vessel Code.	173.32; 173.306; 173.315; 173.318; 173.420; 178.245; 178.255; 178.270; 178.271; 178.272; 178.337; 178.338; 178.345; 178.346; 178.347; 178.348; 179.400; 180.407; 180.417
ASME Code, Section V (FR Nondestructive Examination), 1977	180.407
ASME Code, Section IX (FR Welding and Brazing Qualification), 1977 and Addendum (1979)	178.245; 178.270; 178.337; 178.338
<i>American Society for Testing and Materials</i> , 100 Barr Harbor Drive, West Conshohocken, PA 19428	
Noncurrent ASTM Standards are available from: Engineering Societies Library, 354 E. 47th Street, New York, NY 10017	
ASTM A 20/A 20M–93a Standard Specification for General Requirements for Steel Plates for Pressure Vessels.	178.337–2; 179.102–4; 179.102–17.
ASTM E 112–96 Standard Test Methods for Determining Average Grain Size, 1996 Edition	178.274
ASTM A 47–68 Malleable Iron Castings	179.200
ASTM A 240/A 240M–94b Standard Specification for Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels.	178.57; 178.358–5; 179.100–7; 179.100–10; 179.102–1; 179.102–4; 179.102–17; 179.200–7; 179.201–5; 179.220–7; 179.400–5.
ASTM A 242–81 Standard Specification for High-Strength Low-Alloy Structural Steel	179.100
ASTM A 262–93a Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels.	179.100–7; 179.200–7; 179.201–4.
ASTM A 300–58 Steel Plates for Pressure Vessels for Service at Low Temperatures	178.337
ASTM A 302/A 302M–93 Standard Specification for Pressure Vessel Plates, Alloy Steel, Manganese-Molybdenum and Manganese-Molybdenum Nickel.	179.100–7; 179.200–7; 179.220–7.
ASTM A 333–67 Seamless and Welded Steel Pipe for Low-Temperature Service	178.45
ASTM A 366/A 366M–91 (1993)e1 Standard Specification for Steel, Sheet, Carbon, Cold-Rolled, Commercial Quality.	178.601
ASTM A 370–94 Standard Test Methods and Definitions for Mechanical Testing of Steel Products	179.102–1; 179.102–4; 179.102–17.
ASTM A 388–67 Ultrasonic Testing and Inspection of Heavy Steel Forging	178.45
ASTM A 441–81 Standard Specification for High-Strength Low-Alloy Structural Manganese Vanadium Steel.	178.338
ASTM A 514–81 Standard Specification for High-Yield Strength Quenched and Tempered Alloy Steel Plate, Suitable for Welding.	178.338
ASTM A 516/A 516M–90 Standard Specification for Pressure Vessel Plates, Carbon Steel, for Moderate and Lower- Temperature Service.	178.337–2; 179.100–7; 179.100–20; 179.102–1; 179.102–2; 179.102–4; 179.102–17; 179.200–7; 179.220–7.

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Source and name of material	49 CFR reference
ASTM A 537/A 537M-91 Standard Specification for Pressure Vessel Plates, Heat-Treated, Carbon-Manganese-Silicon Steel.	179.100-7; 179.102-4; 179.102-17.
ASTM A 568/A 568M-95 Standard Specification for Steel, Sheet, Carbon, and High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, General Requirements for.	178.601
ASTM A 572-82 Standard Specification for High-Strength Low-Alloy Columbian-Vanadium Steels of Structural Quality.	178.338; 179.100
ASTM A 588-81 Standard Specification for High-Strength Low-Alloy Structural Steel with 50 Ksi Minimum Yield Point to 4 in. Thick.	179.100; 178.338
ASTM A 606-75 Standard Specification for Steel Sheet and Strip Hot-Rolled and Cold-Rolled, High-Strength, Low-Alloy, with Improved Atmospheric Corrosion Resistance, 1975 (Reapproved 1981).	178.338
ASTM A 612-72a High Strength Steel Plates for Pressure Vessels for Moderate and Lower Temperature Service.	178.337
ASTM A 633-79a Standard Specification for Normalized High-Strength Low-Alloy Structural Steel, 1979 Edition.	178.338
ASTM A 715-81 Standard Specification for Steel Sheet and Strip, Hot-Rolled, High-Strength, Low-Alloy with Improved Formability, 1981.	178.338
ASTM B 162-93a Standard Specification for Nickel Plate, Sheet, and Strip	179.200-7.
ASTM B 209-93 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate	179.100-7; 179.200-7; 179.220-7.
ASTM B 557-84 Tension Testing Wrought and Cast Aluminum and Magnesium-Alloy Products	178.46.
ASTM B 580-79 Standard Specification for Anodic Oxide Coatings on Aluminum, 1979	173.316; 173.318
ASTM D 56-97a Standard Test Method for Flash Point by Tag Closed Tester	173.120
ASTM D 93-97 Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester	173.120
ASTM D 445-88 Kinematic Viscosity of Transparent and Opaque Liquids (and the Calculation of Dynamic Viscosity).	171.8
ASTM D 1200-88 Viscosity by Ford Viscosity Cup	171.8
ASTM D 1838-64 Copper Strip Corrosion by Liquefied Petroleum (LP) Gases	173.315
ASTM D 3278-96 Standard Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus.	173.120
ASTM D 3828-97, Standard Test Methods for Flash Point by Small Scale Closed Tester	173.120.
ASTM D 4206-96 Standard Test Method for Sustained Burning of Liquid Mixtures Using the Small Scale Open-Cup Apparatus.	173.120.
ASTM D 4359-90 Standard Test Method for Determining Whether a Material is a Liquid or a Solid	171.8
ASTM E 8-89 Tension Testing of Metallic Materials	178.36; 178.37; 178.38; 178.39; 178.44; 178.45; 178.50; 178.51; 178.53; 178.55; 178.56; 178.57; 178.58; 178.59; 178.60; 178.61; 178.68.
ASTM E 23-60 Notched Bar Impact Testing of Metallic Materials	178.57; 179.400
ASTM E 112-88 Standard Test Methods for Determining Average Grain Size	178.44.
ASTM E 290-92 Standard Test Method for Semi-Guided Bend Test for Ductility of Metallic Materials	178.46.
ASTM E 681-85 Standard Test Method for Concentration Limits of Flammability of Chemicals	173.115
ASTM G 23-69 Standard Recommended Practice for Operating Light-and-Water Exposure Apparatus (Carbon-Arc Type) for Exposure of Nonmetallic Materials.	172.407; 172.519
ASTM G 26-70 Standard Recommended Practice for Operating Light-and-Water Exposure Apparatus (Xenon-Arc-Type) for Exposure of Nonmetallic Materials.	172.407; 172.519
ASTM G 31-72 (Reapproved 1995) Standard Practice for Laboratory Immersion Corrosion Testing of Metals.	173.137
<i>American Water Works Association,</i> 1010 Vermont Avenue, NW., Suite 810, Washington, DC 20005	
AWWA Standard C207-55, Steel Pipe Flanges, 1955	178.360
<i>American Welding Society,</i> 550 N. W. Le Jeune Road, Miami, Florida 33126	
AWS Code B 3.0; Standard Qualification Procedure; 1972 (FRB 3.0-41, rev. May 1973)	178.356
AWS Code D 1.0; Code for Welding in Building Construction (FR D 1.0-66)	178.356
<i>Association of American Railroads,</i> American Railroads Building, 50 F Street, NW., Washington, DC 20001	
AAR Manual of Standards and Recommended Practices, Section C—Part III, Specifications for Tank Cars, Specification M-1002, September 1992.	173.31.

Source and name of material	49 CFR reference
AAR Manual of Standards and Recommended Practices, Section C—Part III, Specifications for Tank Cars, Specification M–1002, January 1996.	174.63; 179.6; 179.7; 179.12; 179.15; 179.16; 179.20; 179.22; 179.100; 179.101; 179.102; 179.103; 179.200; 179.201; 179.220; 179.300; 179.400; 180.509; 180.513; 180.515; 180.517.
AAR Manual of Standards and Recommended Practices, Section I, Specially Equipped Freight Car and Intermodal Equipment, 1988.	174.55; 174.63.
AAR Specifications for Design, Fabrication and Construction of Freight Cars, Volume 1, 1988 <i>Chlorine Institute, Inc.</i> , 2001 L Street, NW., Suite 506, Washington, DC 20036	179.16.
Type 1½ JQ 225, Dwg. H51970, Revision D, April 5, 1989; or Type 1½ JQ 225, Dwg. H50155, Revision F, April 4, 1989.	173.315
Section 3, Pamphlet 57, Emergency Shut-Off Systems for Bulk Transfer of Chlorine, 3rd Edition, October 1997.	177.840
Standard Chlorine Angle Valve Assembly, Dwg. 104–8, July 1993	178.337–9
Excess Flow Valve with Removable Seat, Dwg. 101–7, July 1993	178.337–8
Excess Flow Valve with Removable Basket, Dwg. 106–6, July 1993	178.337–8
Standards for Housing and Manway Covers for Steel Cargo Tanks, Dwg. 137–3, September 1, 1982 <i>Compressed Gas Association, Inc.</i> , 1725 Jefferson Davis Highway, Arlington, Virginia 22202	178.337-10
CGA Pamphlet C–3, Standards for Welding and Brazing on Thinned Walled Containers, 1975	178.47; 178.50; 178.51; 178.53; 178.56; 178.57; 178.58; 178.59; 178.60; 178.61; 178.65; 178.68.
CGA Pamphlet C–5, Cylinder Service Life—Seamless Steel High Pressure Cylinders, 1991	173.302
CGA Pamphlet C–6, Standards for Visual Inspection of Steel Compressed Gas Cylinders, 1993	173.34; 180.519
CGA Pamphlet C–6.1, Standards for Visual Inspection of High Pressure Aluminum Compressed Gas Cylinders, 1995.	173.34
CGA Pamphlet C–6.2, Guidelines for Visual Inspection and Requalification of Fiber Reinforced High Pressure Cylinders, 1988.	173.34
CGA Pamphlet C–6.3, Guidelines for Visual Inspection and Requalification of Low Pressure Aluminum Compressed Gas Cylinders, 1991.	173.34
CGA Pamphlet C–7, A Guide for the Preparation of Precautionary Markings for Compressed Gas Containers, appendix A, issued 1992 (6th Edition).	172.400a
CGA Pamphlet C–8, Standard for Requalification of DOT–3HT Cylinder Design, 1985	173.34
CGA Pamphlet C–11, Recommended Practices for Inspection of Compressed Gas Cylinders at Time of Manufacture, 1993.	178.35.
CGA Pamphlet C–12, Qualification Procedure for Acetylene Cylinder Design, 1994	173.34; 173.303; 178.59; 178.60.
CGA Pamphlet C–13, Guidelines for Periodic Visual Inspection and Requalification of Acetylene Cylinders, 1992.	173.34; 173.303
CGA Pamphlet C–14, Procedures for Fire Testing of DOT Cylinder Pressure Relief Device Systems, 1979.	173.34
CGA Pamphlet G–2.2 Tentative Standard Method for Determining Minimum of 0.2% Water in Anhydrous Ammonia, 1985.	173.315
CGA Pamphlet G–4.1, Cleaning Equipment for Oxygen Service, 1985	178.338
CGA Pamphlet S–1.1., Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases, 1994 (with the exception of paragraph 9.1.1.1).	173.34
CGA Pamphlet S–1.2, Safety Relief Device Standards Part 2—Cargo and Portable Tanks for Compressed Gases, 1980.	173.315; 173.318
CGA Technical Bulletin TB–2, Guidelines for Inspection and Repair of MC–330 and MC–331 Cargo Tanks, 1980.	180.413
<i>Department of Defense (DOD)</i> , 2461 Eisenhower Avenue, Alexandria, VA 22331	
DOD TB 700–2; NAVSEAINST 8020.8B; AFTO 11A–1–47; DLAR 8220.1: Explosives Hazard Classification Procedures, January 1998.	173.56
<i>Department of Energy (USDOE)</i> , 100 Independence Avenue SW., Washington, DC 20545	
USDOE publications available from: Superintendent of Documents, Government Printing Office (GPO) or The National Technical Information Service (NTIS).	
USDOE, CAPE–1662, Revision 1, and Supplement 1, Civilian Application Program Engineering Drawings	178.356; 178.358
USDOE, Material and Equipment Specification No. SP–9, Rev. 1, and Supplement—Fire Resistant Phenolic Foam.	178.356; 178.358
USDOE, ORO 651—Uranium Hexafluoride; A Manual of Good Practices, Revision 6, 1991 edition	173.417
USDOE, KSS–471, November 30, 1986—Proposal for Modifications to U.S. Department of Transportation Specification 21PF–1, Fire and Shock Resistant Phenolic Foam—Insulated Metal Overpack.	178.358

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Source and name of material	49 CFR reference
<i>General Services Administration,</i> Specification Office, Rm. 6662, 7th and D Street, SW., Washington, DC 20407	
Federal Specification RR-C-901C, Cylinders, Compressed Gas: High Pressure Steel DOT 3AA, and Aluminum Applications, January 15, 1981 (Superseding RR-C-901B, August 1, 1967).	173.302; 173.304; 173.336
<i>Health and Human Services</i> Centers for Disease Control and Prevention, 1600 Clifton Road N.E., Atlanta GA 30333	
Also available from: Superintendent of Documents, Government Printing Office (GPO), HHS Publication No. (CDC) 93-8395, Biosafety in Microbiological and Biomedical Laboratories, 3rd Edition, May 1993, Section II	173.134
<i>Institute of Makers of Explosives,</i> 1120 19th Street, Suite 310, Washington, DC 20036-3605	
IME Safety Library Publication No. 22 (IME Standard 22), Recommendation for the Safe Transportation of Detonators in a Vehicle with Certain Other Explosive Materials, May 1993.	173.63, 177.835
<i>International Atomic Energy Agency (IAEA),</i> IAEA, Regulations for the Safe Transport of Radioactive Material, No. TS-R-1, 1996 Edition	171.12
Wagramerstrasse 5, P.O. Box 100, A-1400, Vienna, Austria	
Also available from: Unipub Incorporated, P.O. Box 433, New York, NY 10016	
IAEA, Regulations for the Safe Transport of Radioactive Materials, Safety Series No. 6, 1985 Edition (As Amended 1990); Including 1985 Edition (Supplemented 1986 and 1988).	171.12
<i>International Civil Aviation Organization (ICAO),</i> P.O. Box 400, Place de l'Aviation Internationale, 1000 Sherbrooke Street West, Montreal, Quebec, Canada H3A 2R2	
ICAO Technical Instructions available from: INTEREG, International Regulations, Publishing and Distribution Organization, P.O. Box 60105, Chicago, IL 60660	
Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO Technical Instructions), DOC 9284-AN/905, 2001-2002 Edition.	171.11; 172.202; 172.401; 172.512; 172.602
<i>International Maritime Organization (IMO),</i> 4 Albert Embankment, London, SE17SR, United Kingdom	
or New York Nautical Instrument & Service Corporation, 140 W. Broadway, New York, NY 10013	
International Maritime Dangerous Goods (IMDG) Code, 1994 Consolidated Edition, as amended by Amendment 29 (1998) (English edition).	171.12; 172.401; 172.407; 173.21, 176.2; 176.5; 176.11; 176.27; 176.30; 176.720
International Maritime Dangerous Goods (IMDG) Code, 2000 edition, including Amendment 30-00 (English edition).	171.12; 172.401; 172.502; 173.21; 176.2; 176.5; 176.11; 176.27; 176.30.
<i>International Organization for Standardization,</i> Case Postale 56, CH-1211, Geneve 20, Switzerland	
Also available from: ANSI, 1430 Broadway, New York, NY 10018	
ISO-82-1974(E) Steels Tensile Testing	178.270-3
ISO 535-1991(E) Paper and board—Determination of water absorptiveness—Cobb method	178.516
ISO 1496-3 Series 1 freight containers—Specification and testing, Part 3: Tank containers for liquids, gases and pressurized dry bulk, March 1, 1995, Fourth Edition.	178.274
ISO 1496-3-1995(E) - Series 1 Freight Containers—Specification and Testing—Part 3: Tank Containers for Liquids, Gases and Pressurized Dry Bulk.	173.411
ISO-2431-1984(E) Standard Cup Method	173.121
ISO 2592-1973(E) Petroleum products—Determination of flash and fire points—Cleveland open cup method.	173.120
ISO 2919-1980(E) - Sealed radioactive sources—Classification	173.469
ISO 3036-1975(E) Board—Determination of puncture resistance	178.708
ISO 3574-1986(E) Cold-reduced carbon steel sheet of commercial and drawing qualities	178.503
ISO 4126-1 Safety valves—Part 1: General Requirements, December 15, 1991, First Edition	178.274
ISO/TR 4826-1979(E) - Sealed radioactive sources—Leak test methods	173.469
ISO 6892 Metallic materials—Tensile testing, July 15, 1984, First Edition	178.274
ISO 8115 Cotton bales—Dimensions and density, 1986 Edition	172.102
ISO 9328-1-1991(E) Steel plates and strips for pressure purposes—Technical delivery conditions—Part 1: General requirements.	173.137
<i>National Board of Boiler and Pressure Vessel Inspectors,</i> 1055 Crupper Avenue, Columbus, Ohio 43229	
National Board Inspection Code, A Manual for Boiler and Pressure Vessel Inspectors, NB-23, 1992 Edition.	180.413
<i>National Fire Protection Association,</i> Batterymarch Park, Quincy, MA 02269	
NFPA Pamphlet No. 58—Standard for the Storage and Handling of Liquefied Petroleum Gases, 1979	173.315
<i>National Institute of Standards and Technology,</i> Department of Commerce, 5285 Port Royal Road, Springfield, VA 22151	
USDC, NBS Handbook H-28 (1957), 1957 Handbook of Screw-Thread Standards for Federal Services, Part II, December 1966 Edition.	178.45, 178.46

Source and name of material	49 CFR reference
<i>National Motor Freight Traffic Association, Inc.</i> , Agent 1616 P Street, NW., Washington, DC 20036	
National Motor Freight Classification NMF 100–I, 1982	177.841
<i>Organization for Economic Cooperation and Development (OECD)</i> OECD Publications and Information Center, 2001 L Street, Suite 700, Washington, DC 20036	
OECD Guideline for Testing of Chemicals, No.404 "Acute Dermal Irritation/Corrosion", 1992	173.137
<i>Transport Canada</i> , TDG Canadian Government Publishing Center, Supply and Services, Canada, Ottawa, Ontario, Canada K1A 0S9.	
Transportation of Dangerous Goods Regulations, 1 July 1985, SOR/85/77, incorporating the following Registration Numbers: SOR/85–314, SOR/85–585, SOR/85–609, SOR/86–526, SOR/88–635, SOR/87–335, SOR/87–186, SOR/89–39, SOR/89–294, SOR/90–847, SOR/91–711, SOR/91–712, SOR/92–447, SOR/92–600, SOR/93–203, SOR/93–274, SOR/93–525, SOR/94–146 and SOR/94–264 (English edition), SOR/95–241, and SOR95–547.	171.12a; 172.401; 172.502.
<i>Truck Trailer Manufacturers Association</i> , 1020 Princess Street, Alexandria, Virginia 22314	
TTMA RP No. 81, Performance of Spring Loaded Pressure Relief Valves on MC 306, MC 307, and MC 312 Tanks, May 24, 1989 Edition.	178.345–10
TTMA RP No. 61–94, Performance of Manhole and/or Fill Opening Assemblies on MC 306 and DOT 406 Cargo Tanks, December 28, 1994 Edition..	180.405
TTMA TB No. 107, Procedure for Testing Inservice, Unmarked, and/or Uncertified MC 306 Type Cargo Tank Manhole Covers, May 24, 1989 Edition.	180.405
<i>United Nations</i> , United Nations Sales Section, New York, NY 10017	
UN Recommendations on the Transport of Dangerous Goods, Eleventh Revised Edition (1999)	172.401; 172.407; 172.502; 173.24.
UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, Third Revised Edition (1999).	172.102; 173.21; 173.56; 173.57; 173.124; 173.128; 173.166; 173.185.

(b) List of informational materials not requiring incorporation by reference. The materials listed in this paragraph do not require approval for incorporation by reference and are included for informational purposes. These materials may be used as noted in those sections in which the material is referenced.

Source and name of material	49 CFR reference
<i>Association of American Railroads</i> , American Railroads Building, 50 F Street, NW., Washington, DC 20001	
AAR Catalog Nos. SE60CHT; SE60CC; SE60CHTE; SE60CE; SE60DC; SE60DE	179.14
AAR Catalog Nos. SE67CC; SE67CE; SE67BHT; SE67BC; SE67BHTE; SE67BE	179.14
AAR Catalog Nos. SE68BHT; SE68BC; SE68BHTE; SE68BE	179.14
AAR Catalog Nos. SE69AHT; SE69AE	179.14
AAR Catalog Nos. SF70CHT; SF70CC; SF70CHTE; SF70CE	179.14
AAR Catalog Nos. SF73AC; SF73AE; SF73AHT; SF73AHTE	179.14
AAR Catalog Nos. SF79CHT; SF79CC; SF79CHTE; SF79CE	179.14
<i>Bureau of Explosives</i> , Hazardous Materials Systems (BOE), Association of American Railroads, American Railroads Building, 50 F Street, NW., Washington, DC 20001	
Fetterley's Formula (The Determination of the Relief Dimensions for Safety Valves on Containers in which Liquefied gas is charged and when the exterior surface of the container is exposed to a temperature of 1,200 °F.).	173.315
Pamphlet 6, Illustrating Methods for Loading and Bracing Carload and Less-Than-Carload Shipments of Explosives and Other Dangerous Articles, 1962.	174.55; 174.101; 174.112; 174.115; 174.290
Pamphlet 6A (includes appendix No. 1, October 1944 and appendix 2, December 1945), Illustrating Methods for Loading and Bracing Carload and Less-Than-Carload Shipments of Loaded Projectiles, Loaded Bombs, etc., 1943.	174.101; 174.290
Pamphlet 6C, Illustrating Methods for Loading and Bracing Trailers and Less-Than-Trailer Shipments of Explosives and Other Dangerous Articles Via Trailer-on-Flatcar (TOFC) or Container-on-Flatcar (COFC), 1985.	174.55; 174.63; 174.101; 174.112; 174.115
Emergency Handling of Hazardous Materials in Surface Transportation, 1989	171.7
<i>National Association of Corrosion Engineers</i> , 1440 South Creek, Houston, Texas 77084	
NACE Standard TM–01–69, Test Method Laboratory Corrosion Testing of Metals for the Process Industries, 1969.	173.136
<i>Society of Plastics Industries, Inc.</i> , Organic Peroxide Producers Safety Division, 1275 K Street, NW., Suite 400, Washington, DC 20005	
Self Accelerating Decomposition Temperature Test, 1972	173.21

[Amdt. 171-111, 55 FR 52466, Dec. 21, 1990, as amended by 66 FR 33334, June 21, 2001; 66 FR 45378, Aug. 28, 2001]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 171.7, see the List of CFR Sections Affected which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 171.8 Definitions and abbreviations.

In this subchapter,

Aerosol means any non-refillable receptacle containing a gas compressed, liquefied or dissolved under pressure, the sole purpose of which is to expel a nonpoisonous (other than a Division 6.1 Packing Group III material) liquid, paste, or powder and fitted with a self-closing release device allowing the contents to be ejected by the gas.

Agricultural product means a hazardous material, other than a hazardous waste, whose end use directly supports the production of an agricultural commodity including, but not limited to a fertilizer, pesticide, soil amendment or fuel. An *agricultural product* is limited to a material in Class 3, 8 or 9, Division 2.1, 2.2, 5.1, or 6.1, or an ORM-D material.

Approval means a written authorization, including a competent authority approval, from the Associate Administrator to perform a function for which prior authorization by the Associate Administrator is required under subchapter C of this chapter.

Approved means approval issued or recognized by the Department unless otherwise specifically indicated in this subchapter.

Asphyxiant gas means a gas which dilutes or replaces oxygen normally in the atmosphere.

Associate Administrator means the Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration.

Atmospheric gases means air, nitrogen, oxygen, argon, krypton, neon and xenon.

Authorized Inspection Agency means: (1) A jurisdiction which has adopted and administers one or more sections of the ASME Boiler and Pressure Vessel Code as a legal requirement and has a representative serving as a member of the ASME Conference Committee; or (2) an insurance company which has been licensed or registered by the ap-

propriate authority of a State of the United States or a Province of Canada to underwrite boiler and pressure vessel insurance in such State or Province.

Authorized Inspector means an Inspector who is currently commissioned by the National Board of Boiler and Pressure Vessel Inspectors and employed as an Inspector by an Authorized Inspection Agency.

Bag means a flexible packaging made of paper, plastic film, textiles, woven material or other similar materials.

Bar means 1 BAR = 100 kPa (14.5 psi).

Barge means a non-selfpropelled vessel.

Bottle means an inner packaging having a neck of relatively smaller cross section than the body and an opening capable of holding a closure for retention of the contents.

Bottom shell means that portion of a tank car tank surface, excluding the head ends of the tank car tank, that lies within two feet, measured circumferentially, of the bottom longitudinal center line of the tank car tank.

Box means a packaging with complete rectangular or polygonal faces, made of metal, wood, plywood, reconstituted wood, fiberboard, plastic, or other suitable material. Holes appropriate to the size and use of the packaging, for purposes such as ease of handling or opening, or to meet classification requirements, are permitted as long as they do not compromise the integrity of the packaging during transportation, and are not otherwise prohibited in this subchapter.

Break-bulk means packages of hazardous materials that are handled individually, palletized, or unitized for purposes of transportation as opposed to bulk and containerized freight.

Btu means British thermal unit.

Bulk packaging means a packaging, other than a vessel or a barge, including a transport vehicle or freight container, in which hazardous materials are loaded with no intermediate form of containment and which has:

(1) A maximum capacity greater than 450 L (119 gallons) as a receptacle for a liquid;