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NR 484.04

## Chapter NR 484

## **INCORPORATION BY REFERENCE**

NR 484.01	Applicability; purpose.	NR 484.05	National technical information service.
NR 484.02	Definitions.	NR 484.06	Other government organizations.
NR 484.03	Code of federal regulations.	NR 484.10	American Society for Testing and Materials.
NR 484.04	Code of federal regulations appendices.	NR 484.11	Other private organizations.

**NR 484.01 Applicability; purpose. (1)** APPLICABILITY. This chapter applies to all air contaminant sources governed by chs. NR 400 to 499 and to their owners and operators.

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(2) PURPOSE. This chapter is adopted under ss. 227.21 (2) and 285.11, Stats., to incorporate by reference testing, monitoring and other technical standards, established by the federal government and technical societies and organizations, to which reference is made in chs. NR 400 to 439 and 445 to 499.

**Note:** Technical Standards to which reference is made in ch. NR 440 are incorporated by reference in s. NR 440.17.

**History:** Cr. Register, September, 1986, No. 369, eff. 10–1–86; am. Register, September, 1987, No. 381, eff. 10–1–87; am. Register, February, 1990, No. 410, eff. 3–1–90; am. Register, May, 1992, No. 437, eff. 6–1–92; am. (2), Register, February, 1995, No. 470, eff. 3–1–95; correction in (2) made under s. 13.93 (2m) (b) 7, Stats., Register, January, 1997, No. 493.

**NR 484.02 Definitions.** The definitions contained in ch. NR 400 apply to the terms used in this chapter.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**NR 484.03 Code of federal regulations.** The federal regulations in effect on March 1, 2006 listed in the first column of Table 1 are incorporated by reference for the corresponding sections of chs. NR 400 to 439 and 445 to 499 in the third column of Table 1.

**Note:** Copies of these materials are available for inspection in the offices of the department of natural resources and legislative reference bureau, Madison, Wisconsin and in some public libraries or may be purchased for personal use from:

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Table	1
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**CFR References** 

	<b>CFR Reference</b>	Title	Incorporated by Reference For
(1)	29 CFR part 1910 subpart Z	Toxic and Hazardous Substances	NR 465
(2)	29 CFR 1910.145(d)(4)		NR 447.12 (4) (a) 2. NR 447.14 (2) (a) 2. NR 447.17 (2) (a) 2.
(3)	29 CFR 1910.1001(j)(4)(ii)		NR 447.13 (1) (a) 4.
(4)	29 CFR 1926.1101(k)(8)(iii)		NR 447.13 (1) (a) 4.
(5)	40 CFR part 53	Ambient Air Monitoring Reference and Equiva- lent Methods	NR 400.02 (123e) and (123s) NR 404.06 (3) (b)
(6)	40 CFR 63.457	Test methods and procedures	NR 464
(7)	40 CFR part 75	Continuous Emission Monitoring	NR 446.18 (1) (a) and (c)

**History:** Cr. Register, December, 1988, No. 396, eff. 1–1–89; am. (3), Register, September, 1989, No. 405, eff. 10–1–89; renum. from NR 484.06, Register, February, 1990, No. 410, eff. 3–1–90; am. (intro.) and (3), cr. (6), Register, August, 1991, No. 428, eff. 9–1–91; am. (intro.), r. (2) and (4), renum. (1), (3), (5) and (6) to be (3), (1), (2) and (5) and am. (1) and (5), (3) renum. from NR 484.04 (3) and am., Register, May, 1992, No. 437, eff. 6–1–92; renum. (5) to be (6) and am., cr. (5), Register, June, 1994, No. 462, eff. 7–1–94; r. and recr. Register, February, 1995, No. 470, eff. 3–1–95; r. (5) and (6), Register, December, 1995, No. 480, eff. 1–1–96; am. (intro.), Register, March, 1997, No. 495, eff. 4–1–97; am. (intro.) and (4), Register, November, 1999, No. 527, eff. 12–1–99; CR 00–160: am. Table 1, Register August 2001, No. 548, eff. 9–1–01; CR 00–175: am. (intro.) and Table 1 Register March 2002 No. 555, eff. 4–1–02; CR 02–146: am. (3) and (4) Register February, 1902 No. 645, eff. 10–1–93; CR 10–040: am. (5) Register February, 1990, No. 650, eff. 3–1–05; cr. (7) Register September 2009 No. 645, eff. 10–1–99; CR 10–050: am. (5) Register November 2010 No. 659, eff. 12–1–10.

**NR 484.04 Code of federal regulations appendices.** The appendices to federal regulations in effect on August 1, 2016 listed in the first column of Table 2 are incorporated by reference for the corresponding sections of chs. NR 400 to 439 and 445 to 499 or code of federal regulations appendix method listed in the third column of Table 2. Since some of these materials are incorporated by reference for another appendix of the code of federal regulations and the other appendix is also incorporated by reference in this section, the materials listed in this section which are incorporated by reference for the other appendix are hereby also incorporated by reference and made a part of this chapter.

**Note:** Copies of these materials are available for inspection in the offices of the department of natural resources and legislative reference bureau, Madison, Wisconsin and in some public libraries or may be purchased for personal use from:

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## Table 2

## **CFR Appendix References**

	CFR Appendix Referenced	Title	Incorporated by Reference For
(1)	29 CFR 1926.58 Appendix G	Work Practices and Engineering Controls for Small–Scale, Short–Duration Asbestos Renovation and Maintenance Activities—Non–Mandatory	NR 447.02 (18) Note
(2)	40 CFR part 50 Appendices A to N		NR 404.02 (8) NR 404.06 (2)
(4)	40 CFR part 50 Appendix H	Interpretation of the 1–Hour Primary and Secondary National Ambient Air Quality Standards for Ozone	NR 404.04 (5) (a)
(4m)	40 CFR part 50 Appendix I	Interpretation of the 8-hour Primary and Secondary National Ambient Air Quality Standards for Ozone	NR 404.04 (5) (b)
(5)	40 CFR part 50 Appendix J	Reference Method for the Determination of Particulate Matter as $PM_{10}$ in the Atmosphere	NR 400.02 (123s)
(6)	40 CFR part 50 Appendix K	Interpretation of the National Ambient Air Quality Standards for Particulate Matter	NR 404.04 (8) (c)
(6g)	40 CFR part 50 Appendix L	Reference Method for the Determination of Particulate Matter as $PM_{2.5}$ in the Atmosphere	NR 400.02 (123e) NR 404.04 (9)
(6r)	40 CFR part 50 Appendix N	Interpretation of the National Ambient Air Quality Standards for $PM_{2.5}$	NR 404.04 (9)
(6t)	40 CFR part 50 Appendix P	Interpretation of the Primary and Secondary National Ambient Air Quality Standards for Ozone	NR 404.04 (5) (c)
(6v)	40 CFR part 50 Appendix R	Interpretation of the National Ambient Air Quality Standards for Lead	NR 404.04 (7) (b)
(7)	40 CFR part 50 Appendix S	Interpretation of the National Ambient Air Quality Standards for Nitrogen Dioxide	NR 404.04 (6) (a)
(7m)	40 CFR part 50 Appendix T	Interpretation of the National Ambient Air Quality Standards for Sulfur Dioxide	NR 404.04 (2) (a)
(7s)	40 CFR part 50 Appendix U	Interpretation of the Primary and Secondary National Ambient Air Quality Standards for Ozone	NR 404.04 (5) (d)
(8)	40 CFR part 51 Subpart S, Appendix E	Transient Test Driving Cycle	NR 485.02 (22)
(9)	40 CFR part 51 Appendix M	Recommended Test Methods for State Implementation Plans	NR 439 NR 460.06 (4) (b) (intro.) NR 465.09 (4) (b) 1. and 2. NR 465.22 (25), (29) and (31) NR 465.25 (3) (k) 4. and 5. a. and
			b. NR 465.28 (6) (b) 1. a., b. and d. and 2. a., b. and c. and Table 1 of subch. III of ch. NR 465 subchs. IV and V of ch. NR 465 NR 466.09 (5) NR 466.24 (3) (f) 1. and 2.
(10)	40 CFR part 51 Appendix S, Section IV	Sources That Would Locate in a Designated Nonattainment Area	NR 405.11 (1) (e)
(11)	40 CFR part 51 Appendix W	Guideline on Air Quality Models (Revised)	NR 405.10 NR 489.09 (3) (intro.)
(11m)	40 CFR part 51 Appendix Y	Guidelines for BART Determinations Under the Regional Haze Rule	NR 433.03 (1) NR 433.04 (2) NR 433.05 (1) (c)

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## Table 2 (Continued)

## **CFR** Appendix References

	CFR Appendix Referenced	Title	Incorporated by Reference For
(12)	40 CFR part 58 Appendix B	Quality Assurance Requirements for Prevention of Significant Deterioration (PSD) Air Monitoring	NR 405.11 (3)
(13)	40 CFR part 60 Appendix A	Test Methods	NR 400.02 (131) NR 419.045 (5) (a) and (b) NR 423.037 (9) (c) 1r. NR 428.25 (1) (b) 4. NR 439 NR 460 to 469
(14)	40 CFR part 60 Appendix A, Method 3	Gas Analysis for the Determination of Dry Molecular Weight	NR 449.09 (6) (a) 3.
(15)	40 CFR part 60 Appendix A, Method 5	Determination of Particulate Emissions from Stationary Sources	40 CFR part 61 Appendix B, Method 101 NR 462 Table 5
(15m)	40 CFR part 60 Appendix A, Method 7, 7A, 7B, 7C, 7D and 7E	Determination of nitrogen oxide emissions from stationary sources	NR 428.23 (1) (b) 3. a.
(16)	40 CFR part 60 Appendix A, Method 18	Measurement of Gaseous Organic Compound Emissions by Gas Chromatography	NR 400.02 (77) NR 419.045 (2) (a) 2. NR 422.142 (5) (a) NR 422.143 (7) (a) NR 469.01 (1) (a)
(16m)	40 CFR part 60 Appendix A, Method 19	Determination of sulfur dioxide removal efficiency and particulate, sulfur dioxide and nitrogen oxides emission rates	NR 428.23 (1) (b) 2. d., 5. a. and b. and 6. b.
(17)	40 CFR part 60 Appendix A, Method 21	Determination of Volatile Organic Compounds Leaks	NR 419.045 (5) (e) NR 420.02 (39m) NR 421.02 (21) NR 421.05 (2) (e) NR 421.06 (2) (e)
(18)	40 CFR part 60 Appendix A, Method 22	Visual Determination of Fugitive Emissions from Material Sources and Smoke Emissions from Flares	NR 415.075 (3) (c) NR 460, Appendix DDDDD
(19)	40 CFR part 60 Appendix A, Method 25	Determination of Total Gaseous Nonmethane Organic Emissions as Carbon	NR 422.142 (5) (a) NR 422.143 (7) (a)
(20)	40 CFR part 60 Appendix A, Method 25A	Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer	NR 422.142 (5) (a) NR 422.143 (7) (a)
(20e)	40 CFR part 60 Appendix A, Method 25D	Determination of Volatile Organic Concentration of Waste Samples	NR 419.045 (5) (f) 6.
(20m)	40 CFR part 60 Appendix A, Method 29	Determination of Metals Emissions from Stationary Sources	NR 446.04 (1) (c) 1. a. NR 446.08 (1) (c) 1. NR 462 Table 5
(20s)	40 CFR part 60 Appendix A, Method 30A	Determination of Total Vapor Phase Mercury Emissions from Stationary Sources	NR 446.04 (1) (c) 1. a. NR 446.08 (1) (c) 1.
(20t)	40 CFR part 60 Appendix A, Method 30B	Determination of Total Vapor Phase Mercury Emissions from Coal–Fired Combustion Sources Using Carbon Sorbent Traps	NR 446.04 (1) (c) 1. a. NR 446.08 (1) (c) 1.
(21)	40 CFR part 60 Appendix B	Performance Specifications	NR 405 NR 408 NR 428 NR 439 NR 460 to 469

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## Table 2 (Continued)

## **CFR** Appendix References

	CFR Appendix Referenced	Title	Incorporated by Reference For
(21m)	40 CFR part 60 Appendix F	Quality Assurance Procedures	NR 428.23 (1) (b) 2. c. NR 466.10 (2) NR 466.24 (2) (d) 1. b.
(21s)	40 CFR part 61 Subpart M, Appendix A	Interpretive Rule Governing Roof Removal Operations	NR 447.08 (1) (am)
(22)	40 CFR part 61 Appendix A	National Emission Standards for Hazardous Air Pollutants: Compliance Status Information	NR 447.16 (2)
(23)	40 CFR part 61 Appendix B	Test Methods	NR 400.02 (131) NR 439 NR 446 to NR 469
(24)	40 CFR part 63, Subpart KK, Appendix A	Data Quality Objective and Lower Confidence Limit Approaches for Alternative Capture Efficiency Protocols and Test Methods	NR 439.06 (3) (am) NR 465.09 (4) (b) 3. NR 465.25 (1) (b) 9. a. NR 465.28 (6) (b) 3. NR 465.35 (1) (c) 9. a. NR 465.38 (6) (e) NR 465.45 (1) (c) 9. a. NR 465.48 (6) (e) NR 466.09 (6) NR 466.24 (3) (f) 3.
(24g)	40 CFR part 63, Subpart MMMM, Appendix A	Alternative Capture Efficiency and Destruction Efficiency Measurement and Monitoring Procedures for Magnet Wire Coating Operations	NR 465 subch. V
(24m)	40 CFR part 63, Subpart DDDDD, Appendix A	Methodology and Criteria for Demonstrating Eligibility for the Health–Based Compliance Alternatives	NR 462
(24r)	40 CFR part 63, Subpart PPPP, Appendix A	Determination of Weight Volatile Matter Content and Weight Solids Content of Reactive Adhesives	NR 465 subchs. IV and V
(25)	40 CFR part 63 Appendix A	Test Methods	NR 400.02 (131) NR 419.045 (5) (f) 4. NR 439 NR 460 to 469
(25g)	40 CFR part 63 Appendix C	Determination of the Fraction Biodegraded $(F_{bio})$ in a Biological Treatment Unit	40 CFR 63.457 (1) NR 464.09 (10) (b)
(25r)	40 CFR part 63 Appendix E	Monitoring Procedure for Nonthoroughly Mixed Open Biological Treatment Systems at Kraft Pulp Mills under Unsafe Sampling Conditions	NR 464.09 (16) (c)
(26)	40 CFR part 72 Appendix D	Calculation of Potential Electric Output Capacity	NR 409.02 (57)
<b>(26m)</b> (a)	40 CFR part 75 Appendix A	Specifications and Test Procedures	NR 446.07 (3) NR 446.08 (1) (a)
(b)	40 CFR part 75, Appendix B	Quality Assurance and Quality Control Procedures	NR 446.07 (3) NR 446.08 (1) (a)
(bm)	40 CFR part 75, Appendix E	Optional NO <sub>x</sub> Emissions Estimation Protocol for Gas–Fired Peaking Units and Oil–Fired Peaking Units	NR 428.23 (1) (b) 2. e.
(c)	40 CFR part 75, Appendix C	Missing Data Estimation Procedures	NR 446.07 (3) NR 446.08 (1) (a)
(d)	40 CFR part 75, Appendix F	Conversion Procedures	NR 428.23 (1) (b) 5. c. and 6. b. and c. NR 446.07 (3) NR 446.08 (1) (a)

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## Table 2 (Continued)

### **CFR** Appendix References

	CFR Appendix Referenced	Title	Incorporated by Reference For
(27)	40 CFR part 75 Appendices A to I		NR 428 NR 428.23 (1) (b) 1. NR 439 NR 446.18 (1) (a) and (c)
(27m)	40 CFR part 82, Subpart A, Appendices A and B		NR 405 NR 408
(27s)	40 CFR part 136, Appen- dix A	Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater	NR 419.045 (5) (f) 3.
(28)	40 CFR part 763 Subpart E, Appendix E, Section 1	Polarized Light Microscopy	NR 447.02 (1) (a) and (b) NR 447.02 (16) NR 447.02 (27) NR 447.02 (36) NR 447.09 (1) (a) and (b) (intro.)

**History:** Cr. Register, August, 1991, No. 428, eff. 9–1–91; am. (intro.), (5) and (6), renum. (3) to be NR 484.03 (4) and am., renum. (4) and (7) to be (3) and (4) and am. (4), Register, May, 1992, No. 437, eff. 6–1–92; renum. (2), (3) (intro.) (a) to (c) to be (2) (d), (intro.), (c), (a) and (b) and am. (2) (d), Register, May, 1993, No. 449, eff. 6–1–93; am. (intro.), (2) (d), cr. (7), Register, December, 1993, No. 456, eff. 1–1–94; cr. (1) (c), Register, June, 1994, No. 462, eff. 7–1–94; r. and recr. Register, February, 1995, No. 470, eff. 3–1–95; cr. (9), (19), Register, April, 1995, No. 472, eff. 5–1–95; cr. (13m), (15e) and (15m), Register, June, 1995, No. 474, eff. 7–1–95; am. (18), cr. (18m), renum. (7) to (21) to be (9) to (27), cr. (7) and (8), Register, December, 1995, No. 480, eff. 1–1–96; am. (27), Register, January, 1997, No. 493, eff. 2–1–97; am. (18), cr. (18m), renum. (7) to (21) to be (9) to (27), cr. (7) and (8), Register, December, 1995, No. 480, eff. 1–1–96; am. (27), Register, January, 2001, No. 541, eff. 2–1–01; CR 00–160; am. (9) and (24), Register, March, 1997, No. 495, eff. 4–1–97; am. (intro.), (11), (13), (16), (23) and (24), Register, March 2002 No. 555, eff. 4–1–02; CR 02–146; cr. (21s) Register October 2003 No. 574, eff. 11–1–03; CR 03–037; am. Table 2 (9) and (24), Register March 2004 No. 579, eff. 4–1–04; CR 03–066; am. (2) and (4), cr. (21m) and 22m), Register June 2004 No. 582, eff. 7–1–04; CR 01–081; cr. (20m) and (24m) Register September 2004 No. 585, eff. 10–1–04; CR 03–066; am. (2) and (4), cr. (4m) Register May 2005 No. 593, eff. 6–1–05; CR 05–040; am. (intro.), (9) and (24), cr. (24g) and (24r) Register June 2007 No. 618, eff. 7–1–04; CR 07–016; am. (15), (18) and (20m), cr. (15m), (16m) and (26m) (bm) Register June 2007 No. 619, eff. 8–1–07; CR 07–045; am. (9), (21m) and (24) Register April 2008 No. 635, eff. 1–1–08; CR 07–103; cr. (15m), (16m) and (26m) (bm) Register June 2007 No. 619, eff. 8–1–07; CR 07–045; am. (9), (21m) and (24) Register June 2008 No. 636, eff. 1–

NR 484.05 National technical information service.

The national technical information service (NTIS) documents listed in the first column of Table 3 are incorporated by reference for the corresponding sections of chs. NR 400 to 439 and 445 to 499 in the third column of Table 3.

**Note:** Copies of these materials are available for inspection in the offices of the department of natural resources and legislative reference bureau, Madison, Wisconsin or may be purchased for personal use from:

National Technical Information Service 5285 Port Royal Road Springfield VA 22161 1-800-553-6847

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Table 3
NTIS Document Referen

	Document Reference	NTIS Document References Document Title	Incornerated by Deference Fra
			Incorporated by Reference For
(1)	NTIS Order No. PB 87–100012	Standard Industrial Classification Manual, 1987	NR 400.02 (74) NR 400.02 (86) NR 400.02 (91) NR 400.02 (149) NR 405.02 (8) NR 406.02 (1) NR 407.02 (3) NR 407.02 (4) (intro.) NR 407.02 (4) (b) NR 408.02 (5) NR 410.02 (4) NR 419.045 (1) (a) 3. NR 421.02 (3) NR 421.02 (17) NR 422.02 (112) NR 422.095 (1) NR 422.05 (1) NR 422.15 (1) (intro.) NR 437.07 (2) (a) 4. NR 438.02 (1) NR 445.11 (1) (intro.) NR 465.02 (51)
(2)	NTIS Order No. PB–266 227	Recommended Industrial Ventilation Guidelines, U.S. Department of Health, Education, and Welfare, National Institute of Occupational Safety and Health, 1976	NR 421.04 (3) (c) 2.
(3)	NTIS Order No. PB 93–192664	Metropolitan Areas, 1993	NR 400.02 (96)
(8)	EPA, OAQPS, AP-42	Compilation of Air Pollutant Emission Factors, Volume I: Stationary Point and Area	NR 437.04 (2) (a) 6.
		Sources, Fifth Edition, January 1995, as revised by Supplement A (February 1996), Supplement B (November 1996), Supplement C (November 1997), Supplement D (July 1998), Supplement E (November 1999), Supplement F (October 2000) and Update 2001 (December 2001)	NR 438.03 (5) (a) NR 489.09 (2) (b)
(8g)	EPA, OAQPS, AP-42	Compilation of Air Pollutant Emission Factors, Volume II: Mobile Sources, Fourth Edition, September 1985, as revised by Supplement A (1991)	NR 437.04 (2) (a) 7.
(8r)	EPA, OAQPS, AP-42	Compilation of Air Pollutant Emission Factors, Volume II: Mobile Sources, Fifth Edition, Appendix G (1998), Appendix H (1995), Appendix I (1998), Appendix J (1998), and Appendix K (1998)	NR 437.04 (2) (a) 8.
(9)	EPA-450/3-84-014, December 1984	Review of National Emission Standards for Mercury	NR 446.21 (3) (d) Note
(10)	EPA-454/R-98-015, September 1997	Fabric Filter Bag Leak Detection Guidance	NR 463.15 (6) (a) 2.
(12)	EPA-625/3-89-016	Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and -Dibenzofurans (CDDs and CDFs) and 1989 Update	NR 463.12 (39) NR 463.166 (4)
(14)	NTIS Order No. DE95003295INZ	Voluntary reporting of greenhouse gases under Section 1605(b) of the Energy Policy Act of 1992 – General Guidelines, October 1994	NR 437.04 (2) (a) 17.
(14)	NTIS Order No. DE95003295INZ	Voluntary reporting of greenhouse gases under Section 1605(b) of the Energy Policy Act of 1992 – General Guidelines, October 1994	NR 437.04 (2) (a) 17.
(15)	NTIS Order No. DE95003296INZ	Sector–Specific Issues and Reporting Methodologies Supporting the General Guidelines for the Voluntary Reporting of Greenhouse Gases under Section 1605(b) of the Energy Policy Act of 1992, Volume I, Electricity Supply Sector, Residential and Commercial Buildings Sector, and Industrial Sector, October 1994.	NR 437.04 (2) (a) 18.

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(16)	NTIS Order No. DE95003297INZ	Sector–Specific Issues and Reporting Methodologies Supporting the General Guidelines for the Voluntary Reporting of Greenhouse Gases under Section 1605(b) of the Energy Policy Act of 1992, Volume II, Transportation Sector, Forestry Sector, and Agricultural Sector, October 1994.	NR 437.04 (2) (a) 19.
(17)	NTIS Order Nos.: printed – PB2007–100002 CD–ROM – PB2007– 500023	North American Industry Classification System United States, 2007	NR 405.02 (22) (a) 1. NR 405.07 (4) (a) 20. NR 407.02 (4) (b) 20. NR 408.02 (21) (e) 5.

**History:** Cr. (intro.) and (1), (2) renum. from NR 484.03 (2) and am. Register, February, 1990, No. 410, eff. 3–1–90; cr. (2) to (4), (6) and (7), renum. (2) to be (5), Register, August, 1991, No. 428, eff. 9–1–91; am. (1), (4) to (6), renum (7) (a) to (c) to be (7) (c) to (e) and am., cr. (7) (a) and (b), Register, May, 1992, No. 437, eff. 6–1–92; am. (1), Register, January, 1993, No. 445, eff. 2–1–93; am. (3), cr. (3) (b) to (e) and (8), Register, May, 1993, No. 449, eff. 6–1–93; cr. (1m), am. (3) (b), Register, December, 1993, No. 456, eff. 1–1–94; renum. (2) to be (9) and am. Register, August, 1994, No. 464, eff. 9–1–94; r. and recr. Register, February, 1995, No. 470, eff. 3–1–95; r. (6), (7), Register, January, 1995, No. 472, eff. 5–1–95; am. (3), Register, June, 1995, No. 474, eff. 7–1–95; am. (1), Register, January, 1995, No. 472, eff. 10–1–95; am. (3), Register, June, 1995, No. 474, eff. 7–1–95; am. (1), Register, January, 1997, No. 493, eff. 2–1–97; am. (1), (3), (8), r. and recr. (9), r. (10), Register, November, 1999, No. 527, eff. 12–1–99; CR 00–160; am. (1) of Table 3, Register August 2001 No. 548, eff. 9–1–01; CR 02–012; am. (1) and (8) of Table 3, cr. (8g), (8r), (14), (15) and (16) of Table 3, Register Cotober 2002 No. 552, eff. 11–1–02; CR 02–097; am. (1), Register June 2004 No. 582, eff. 7–1–04; CR 04–107; am. (1) Register August 2005 No. 596, eff. 9–1–05; CR 07–104; cr. (17) Register July 2008 No. 635, eff. 12–1–08; CR 04–023; cr. (10) and (12) Register December 2008 No. 636, eff. 1–1–09; CR 11–005; am. (1) in Table 3 Register January 2012 No. 673, eff. 2–1–12; CR 15–077; r. (4), (5) Register July 2016 No. 727, eff. 8–1–16.

**NR 484.06 Other government organizations.** The following materials from other government organizations listed in the first column of Tables 4A to 4G are incorporated by reference for the corresponding sections of chs. NR 400 to 439 and 445 to 499 in the third column of Tables 4A to 4G. **Note:** Copies of these materials are available for inspection in the offices of the department of natural resources and legislative reference bureau, Madison, Wisconsin or may be purchased for personal use by writing to the organizations listed in the individual subsections.

(1) The following is a document published in the federal register.

**Note:** Copies can be made for personal use from the federal register on microfiche, which is available at the department of natural resources library.

Table 4A
Federal Register Document Reference

Citation	Title	Incorporated by Reference For
51 FR 43814, Dec. 4, 1986	Emissions Trading Policy Statement; General Principles for Creation, Banking, and Use of Emission Reduction Credits	NR 408.06 (1) (d) Note NR 425.05 (1) (b) 2.

(2) The following is a document from the U.S. bureau of mines.

**Note:** Copies may be purchased for personal use from:

Bureau of Mines

U.S. Department of the Interior Washington DC 20240

Table 4B
U.S. Bureau Of Mines Document Reference

Document Number	Title	Incorporated by Reference For
Information Circular 7588	Fundamentals of Smoke Abatement, December, 1950, Ringlemann Chart	NR 400.02 (137) Note

(3) The following document is from the federal highway administration.

Note: Copies may be purchased for personal use from:

Superintendent of Documents PO Box 371954

Pittsburgh PA 15250–7954

Table 4C
Federal Highway Administration Document Reference

	onstruction of Roads and	Incorporated by Reference For
Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, Section 401		NR 447.04 (2) (c)
		921 ts listed in par. (b) may be downloaded for persona address: http://www.epa.gov/ttn/chief/eiip/techre nputer can obtain printed copies from: (nventory Group (MD–D205–01) Planning and Standards tratestion A cance
et r_	address: Pollution/siteout/s2out8.html	address: Pollution/siteout/s2out8.html inted copies of all or of specific inted copies of all or of specific

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Phone: (919) 541–1000 Fax: (919) 541–5680

**Note:** Copies of the document listed in par. (c) may be downloaded from the internet for personal use from http://www.epa.gov/ttn/emc/cem/tribo.pdf. Copies of the documents listed in par. (e) may be downloaded from the internet for personal use from http://www3.epa.gov/epawaste/hazard/testmethods/sw846/online/index.htm. Those without access to a computer can obtain printed copies of these documents from: National Technical Information Service 5285 Port Royal Road Springfield VA 22161 Note: The wastewater treatment model listed in par. (f), along with supporting scumentation, may be downloaded for personal use from https://www.ena.gov/air-

documentation, may be downloaded for personal use from https://www.epa.gov/airemissions-inventories/emission-inventory-improvement-program-eiip. EPA contact information is also listed at this internet site.

### Table 4D

## **U.S. Environmental Protection Agency Document References**

Document Number	Title	Incorporated by Reference For
(a) EPA, OAQPS, FIRE 6.23	Factor Information Retrieval Data System, Version 6.23	NR 437.04 (2) (a) 22. NR 438.02 (2) NR 438.03 (5) (a)
(b) EPA, EIIP Technical Report Series		
1. EPA-454/R-97-004a	EIIP Volume I, Introduction and Use of EIIP Guid- ance for Emission Inventory Development, July 1997	NR 437.04 (2) (a) 9.
2. Volume II	Point Sources, May 2002	NR 437.04 (2) (a) 10.
3. Volume III	Area Sources and Area Source Method Abstracts, June 2001	NR 437.04 (2) (a) 11.
4. Volume IV	Mobile Sources, September 1997	NR 437.04 (2) (a) 12.
5. Volume VI	Quality Assurance Procedures and DARS Software, September 1997	NR 437.04 (2) (a) 13.
6. Volume VII	Data Management Procedures, January 1999	NR 437.04 (2) (a) 14.
7. Volume VIII	Estimating Greenhouse Gas Emissions, October 1999	NR 437.04 (2) (a) 15.
8. Volume IX	Particulate Emissions, September 1999	NR 437.04 (2) (a) 16.
(c) EPA-454/R-98-015, September 1997	Fabric Filter Bag Leak Detection Guidance	NR 462.05 (6) (i) NR 463.23 (3) (b) 4.
(d) EPA-453/R-01-005	National Emission Standards for Hazardous Air Pol- lutants for Integrated Iron and Steel Plants––Back- ground Information for Proposed Standards	NR 462.01 (4) (k)
(e) EPA, SW-846	Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods, Third Edition, September 1986, as amended by Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, and IVB	NR 419.045 (5) (f) 1. and 2. NR 462 Table 6 NR 463.22 (16)
(f) N/A	WATER9, Version 2.0	NR 419.045 (3) (b) 2. c.
(g) EPA-450/4-91-031	Control of Volatile Organic Compound Emissions from Reactor Processes and Distillation Operations Processes in the Synthetic Organic Chemical Manu- facturing Industry	NR 421.07 (1) (a) 1.

(5) The following are documents from the State of California, Department of Consumer Affairs, Bureau of Home Furnishings and Thermal Insulation.

Note: Copies may be downloaded for personal use from the following Internet address: http://www.bearhfti.ca.gov/industry/bulletin.shtml.

Those without access to a computer can obtain printed copies from:

State of California

Department of Consumer Affairs Bureau of Home Furnishings and Thermal Insulation 3485 Orange Grove Avenue North Highlands CA 95660–5595 (916) 920–6951 http://docs.legis.wisconsin.gov/code/admin\_code DEPARTMENT OF NATURAL RESOURCES

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NR 484.10

	Table 4E		
Document Number	State of California Docur Title	ment Reference	Incomposed by Defenonce For
(a) Technical Bulletin 116	Requirements, Test Proce tus for Testing the Flame Upholstered Furniture		Incorporated by Reference For NR 465.04 (1) (b) 1.
(b) Technical Bulletin 117	Requirements, Test Proce tus for Testing the Flame Resilient Filling Material stered Furniture	Retardance of	NR 465.04 (1) (b) 1.
(c) Technical Bulletin 133	Flammability Test Procee Furniture for Use in Publ	-	NR 465.04 (1) (b) 1.
<ul> <li>(6) The following document is from Panel on Climate Change.</li> <li>Note: Copies may be downloaded for personal us address: http://www.ipcc-nggip.iges.or.jp/public/gl/ii Those without access to a computer can obtai IPCC Secretariat</li> </ul>	se from the following internet uvs1.htm.	7bis Avenue de la C.P. 2300 CH- 1211 Geneva Phone: +41-22-7 Fax: +41-22-730 e-mail: ipcc_sec@	a 2, Switzerland 30–8208 –8025
	IPCC Document		
Publishing Organization	Title		ncorporated by Reference For
Intergovernmental Panel on Climate	Revised 1996 IPCC Gui		IR 437.04 (2) (a) 4.
Change (IPCC)	National Greenhouse Ga Volumes 1–3	as Inventories,	
<ul> <li>(7) The following document is from energy.</li> <li>Note: Copies may be downloaded for personal us address: http://www.ipmvp.org/info/Vol1book.pdf.</li> <li>Those without access to a computer can obtain prin Energy Efficiency and Renewable Energy</li> </ul>	se from the following internet nted copies from:	NCI, 8260 Grea Mclean VA 221 Phone: (703) 2 Fax: (703) 893 or Phone: 1–800–	187–8385 1–0400
I	Table 4 J.S. Department of Energy	-	ence
Publishing Organization	Title		ncorporated by Reference For
U.S. Department of Energy, OEERE	International Performance ment and Verification Pr Volume 1 – Concepts an for Determining Energy January 2001	ce Measure- NR rotocol, d Options	R 437.04 (2) (a) 5.
eff. 12-1-99; CR 00-160: am. (intro.), cr. (5), Regist	. 3–1–95; am. (1), Register, Decemb er August 2001 No. 548, eff. 9–1–0 –1–02; CR 05–116: cr. (4) (c) to (e)	1; CR 02–012: am. (intro of Table 4D Register No	-1–97; am. (2), cr. (4), Register, November, 1999, No. 527, o.), (4) and (a) and (b) of Table 4, cr. (6) and Table 4F, (7) ovember 2006 No. 611, eff. 12–1–06; CR 06–110; am. (4) 4D Register January 2012 No. 673, eff. 2–1–12.
<b>NR 484.10 American Society for</b> <b>als.</b> The American Society for Testing standards listed in the first column of Table reference for the corresponding sections of 445 to 499 in the third column of Table incorporated into other documents which rated by reference in this chapter. Those d	and Materials (ASTM) le 5 are incorporated by f chs. NR 400 to 439 and 5. Some standards are are separately incorpo- o	100 Barr Harbor I W Conshohocken Telephone: (610) Fax: (610) 832–9: E-mail: service@ Website http://ww r from:	PA 19428–2959 832–9585 555 astm.org w.astm.org meering Documents

in the third column of Table 5. Note: These materials are available for inspection in the offices of the department of natural resources and legislative reference bureau, Madison, Wisconsin or may be purchased for personal use at one of the following addresses: ITS Global Engineering Documents 15 Inverness Way East Englewood, CO 80112 Telephone: (800) 854–7179 E–mail: globalcustomerservice@ihs.com Website: http://global.ihs.com File inserted into Admin. Code 6–1–2022. May not be current beginning 1 month after insert date. For current adm. code see:

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NR 484.10

**ASTM Standard References Standard Title** Standard Number **Incorporated by Reference For** (1) ASTM C136-01 Standard Test Method for Sieve Analysis of Fine NR 415.02 (9) and Coarse Aggregates (2) ASTM D97-02 Standard Test Methods for Pour Point of Petroleum NR 420.02 (41) Products (3) ASTM D129-00 (2005) Standard Test Method for Sulfur in Petroleum 40 CFR part 60 Appendix A, Products (General Bomb Method) Method 19 40 CFR part 75 Appendices A and D NR 439.08 (2) (b) (4) ASTM D240-02 Standard Test Method for Heat of Combustion of 40 CFR part 60 Appendix A, Liquid Hydrocarbon Fuels by Bomb Calorimeter Method 19 40 CFR part 75 Appendices A, D, E, and F NR 400.02 (79) NR 439.08 (2) (c) (5) Standard Test Method for API Gravity of Crude 40 CFR part 75 Appendix D ASTM D287-92 (2000) Petroleum and Petroleum Products (Hydrometer Method) (6) ASTM D323-08 Standard Test Method for Vapor Pressure of NR 419.045 (5) (d) Petroleum Products (Reid Method) NR 420.02 (31) 40 CFR part 75 Appendix F (7) ASTM D388-99e1 Standard Classification of Coals by Rank NR 400.02 (40) (2004)NR 462.02 (6) (8) ASTM D396-02a Standard Specification for Fuel Oils NR 400.02 (70) NR 400.02 (135) NR 420.03 (1) (a) NR 462.02 (11) and (41) (9) ASTM D523-89 (1999) Standard Test Method for Specular Gloss ANSI A135.5-2004 NR 422.02 (26), (41s), and (49m) (10)ASTM D737-96 Standard Test Method for Air Permeability of NR 447.15 (1) (a) 1. Textile Fabrics (12)ASTM D968-93 (2001) Standard Test Methods for Abrasion Resistance of ANSI A135.5-2004 Organic Coatings by Falling Abrasive (13)NR 409.02 (34) ASTM D975-02 Standard Specification for Diesel Fuel Oils NR 420.03 (1) (a) (14)ASTM D1037-99 Standard Test Methods for Evaluating Properties of ANSI A135.4-2004 Wood-Base Fiber and Particle Panel Materials ANSI A135.5-2004 Standard Test Method for Total Sulfur in Fuel 40 CFR part 75 Appendix D (15) ASTM D1072-90 (1999) Gases 40 CFR part 60 Appendix A: Method 5, par. 7.1.3 (16) ASTM D1193-99 Standard Specification for Reagent Water Method 5E, par. 7.2.1 Method 5F, par. 7.2.1 Method 6, par. 7.1.1 Method 7, par. 7.1.1 Method 7C, par. 7.1.1 Method 7D, par. 7.1.1 Method 10A, par. 7.1.1 Method 11, par. 7.1.3 Method 12, par. 7.1.3 Method 13A, par. 7.1.2 Method 14A, par. 7.1 Method 25D, par. 7.2.2.4 Method 26, par. 7.1.2 Method 26A, par. 7.1.2 Method 29, pars. 7.2.2, 7.4.2 and 7.5.6 40 CFR part 61 Appendix B,

Method 101, par. 6.1.1

# Table 5

	a	ASTM Standard References	
	Standard Number	Standard Title	Incorporated by Reference For
(17)	ASTM D1217–93 (1998)	Standard Test Method for Density and Relative Density (Specific Gravity) of Liquids by Bingham Pycnometer	40 CFR part 75 Appendix D
(18)	ASTM D1250-80 (1997)	Standard Guide for Petroleum Measurement Tables	40 CFR part 75 Appendix D
(20)	ASTM D1298–99	Standard Practice for Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method	40 CFR part 75 Appendix D
(21)	ASTM D1308-02	Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes	ANSI A135.5–2004
(22)	ASTM D1475–98 (2003)	Standard Test Method for Density of Liquid Coatings, Inks, and Related Products	40 CFR part 60 Appendix A: Method 24, par. 6.1 Method 24A, pars. 6.5 and 7.1 NR 465.26 (2) (b) 3. and (c) NR 465.37 (2) (c) NR 465.46 (2) (b) 4. and (c) NR 465.47 (2) (c)
(23)	ASTM D1480–93 (1997)	Standard Test Method for Density and Relative Density (Specific Gravity) of Viscous Materials by Bingham Pycnometer	40 CFR part 75 Appendix D
(24)	ASTM D1481–93 (1997)	Standard Test Method for Density and Relative Density (Specific Gravity) of Viscous Materials by Lipkin Bicapillary Pycnometer	40 CFR part 75 Appendix D
(25)	ASTM D1552-03	Standard Test Method for Sulfur in Petroleum Products (High–Temperature Method)	40 CFR part 75 Appendices A and D NR 439.08 (2) (b)
(25m)	ASTM D1613-02	Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products	NR 422.02 (67m), 422.084 (2) (c), and 422.151 (2) (b) and (c)
(26)	ASTM D1826-94 (1998)	Standard Test Method for Calorific Value of Gases in Natural Gas Range by Continuous Recording Calorimeter	40 CFR part 60 Appendix A, Method 19 40 CFR part 75 Appendices E and F NR 400.02 (79)
(26m)	ASTM D1835–03a	Standard Specification for Liquid Petroleum Gases	NR 462.02 (36) (b)
(27)	ASTM D1945-96 (2001)	Standard Test Method for Analysis of Natural Gas by Gas Chromatography	40 CFR part 75 Appendices F and G
(28)	ASTM D1946-90 (2000)	Standard Practice for Analysis of Reformed Gas by Gas Chromatography	40 CFR part 75 Appendices F and G NR 460.10 (2) (f) 1. a.
(30)	ASTM D2013-01	Standard Method of Preparing Coal Samples for Analysis	40 CFR part 60 Appendix A, Method 19 40 CFR part 75 Appendix F NR 439.08 (1) (b) NR 462, Table 6
(31)	ASTM D2015-96	Standard Test Method for Gross Calorific Value of Coal and Coke by the Adiabatic Bomb Calorimeter	40 CFR part 60 Appendix A, Method 19 40 CFR part 75 Appendices A, D, E and F
(32)	ASTM D2197-98 (2002)	Standard Test Method for Adhesion of Organic Coatings by Scrape Adhesion	ANSI A135.5-2004

Table 5 (Continued)

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	Standard Number	Standard Title	Incorporated by Reference For
(33)	ASTM D2234/D2234M- 03e1	Standard Practice for Collection of a Gross Sample of Coal	40 CFR part 60 Appendix A, Method 19 40 CFR part 75 Appendix F NR 439.08 (1) (a) NR 439.085 (2) (a) 1. NR 439.085 (2) (b) 1. NR 439.085 (2) (c) 1. NR 462, Table 6
(33)	ASTM D2234/D2234M- 03e1	Standard Practice for Collection of a Gross Sample of Coal	40 CFR part 60 Appendix A, Method 19 40 CFR part 75 Appendix F NR 439.08 (1) (a) NR 439.085 (2) (a) 1. NR 439.085 (2) (b) 1. NR 439.085 (2) (c) 1. NR 462, Table 6
(34)	ASTM D2369-01e1	Standard Test Method for Volatile Content of Coatings	40 CFR part 60 Appendix A, Method 24, par. 6.2
Note: AS	TM D2382 was discontinued in 1994	, and replaced by ASTM D4809.	
(36)	ASTM D2486-00	Standard Test Method for Scrub Resistance of Wall Paints	ANSI A135.5-2004
(37)	ASTM D2502-92 (1996)	Standard Test Method for Estimation of Molecular Weight (Relative Molecular Mass) of Petroleum Oils from Viscosity Measurements	40 CFR part 75 Appendix G
(38)	ASTM D2503-92 (1997)	Standard Test Method for Relative Molecular Mass (Molecular Weight) of Hydrocarbons by Thermoelectric Measurement of Vapor Pressure	40 CFR part 75 Appendix G
(39)	ASTM D2622–98	Standard Test Method for Sulfur in Petroleum Products by Wavelength Dispersive X–ray Fluorescence Spectrometry	40 CFR part 75 Appendices A and D
(39e)	ASTM D2697-86 (1998)	Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings	NR 465.26 (2) (b) 1. NR 465.46 (2) (b) 1.
(39m)	ASTM D2879–10	Standard Test Method for Vapor Pressure–Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope	NR 419.045 (5) (d) NR 422.142 (5) (d)
(40)	ASTM D2880-00	Standard Specification for Gas Turbine Fuel Oils	NR 420.03 (1) (a)
(41)	ASTM D2986–95a (1999)	Standard Practice for Evaluation of Air Assay Media by the Monodisperse DOP (Dioctyl Phthalate) Smoke Test	40 CFR part 60 Appendix A: Method 5, par. 7.1.1 Method 12, par. 7.1.1 Method 13A, par. 7.1.1.2
(41m)	ASTM D3172-89 (2002)	Standard Practice for Proximate Analysis of Coal and Coke	NR 439.098 (1) (b)
(42)	ASTM D3173-02	Standard Test Method for Moisture in the Analysis Sample of Coal and Coke	40 CFR part 60 Appendix A, Method 19 NR 439.08 (1) (f) NR 462, Table 6
(43)	ASTM D3174-04	Standard Test Method for Ash in the Analysis Sample of Coal and Coke from Coal	40 CFR part 75 Appendix G NR 439.08 (1) (e)
(44)	ASTM D3176-89 (2002)	Standard Practice for Ultimate Analysis of Coal and Coke	40 CFR part 75 Appendices A and F NR 439.08 (1) (g) NR 439.098 (1) (a)
(45)	ASTM D3177-02	Standard Test Methods for Total Sulfur in the Analysis Sample of Coal and Coke	40 CFR part 60 Appendix A, Method 19 40 CFR part 75 Appendix A NR 439.08 (1) (c)

#### Table 5 (Continued) .... .... D

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#### **ASTM Standard References Standard Title** Standard Number **Incorporated by Reference For** (46) ASTM D3178-89 (1997) Standard Test Methods for Carbon and Hydrogen 40 CFR part 75 Appendix G in the Analysis Sample of Coal and Coke (47) Standard Test Method for Calculation of Carbon ASTM D3238-95 (2000) 40 CFR part 75 Appendix G Distribution and Structural Group Analysis of Petroleum Oils by the n-d-M Method (47L) ASTM D3683-94 (2000) Standard Test Method for Trace Elements in NR 462, Table 6 Coal or Coke Ash by Atomic Absorption (47m) Standard Test Method for Total Mercury in Coal ASTM D3684-01 NR 446.04 (1) (b) by Oxygen Bomb Combustion/Atomic Absorption NR 446.04 (1) (c) 1. b. Method NR 446.07 (1) NR 446.07 (2) NR 446.08 (1) (b) NR 446.08 (1) (c) 2. NR 462, Table 6 (48) ASTM D3792-99 Standard Test Method for Water Content of 40 CFR part 60 Appendix A, Water-Reducible Paints by Direct Injection into a Method 24, par. 6.3 Gas Chromatograph (49) ASTM D4017-02 Standard Test Method for Water in Paints and Paint 40 CFR part 60 Appendix A, Materials by Karl Fischer Method Method 24, par. 6.4 (50) 40 CFR part 75 Appendix D ASTM D4052-96 (2002) Standard Test Method for Density and Relative Density of Liquids by Digital Density Meter (51) 40 CFR part 75 Appendix D ASTM D4057-95 (2000) Standard Practice for Manual Sampling of Petroleum and Petroleum Products NR 439.08 (2) (a) (52) ASTM D4177-95 (2000) Standard Practice for Automatic Sampling of 40 CFR part 75 Appendix D Petroleum and Petroleum Products NR 439.08 (2) (a) 40 CFR part 60 Appendix A, (53)ASTM D4239-04a Standard Test Methods for Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Method 19 Tube Furnace Combustion Methods 40 CFR part 75 Appendix A NR 439.08 (1) (c) Standard Test Method for Sulfur in Petroleum and 40 CFR part 75 Appendices A and D (54) ASTM D4294-03 Petroleum Products by Energy-Dispersive X-Ray NR 439.08 (2) (b) Fluorescence Spectrometry (55) ASTM D4809-00 Standard Test Method for Heat of Combustion of 40 CFR part 75 Appendices D, E Liquid Hydrocarbon Fuels by Bomb Calorimeter and F (Precision Method) NR 460.10 (2) (f) 2. (55b) Standard Test Method for Vapor Pressure of NR 419.045 (5) (d) ASTM D4953-06 Gasoline and Gasoline-Oxygenate Blends (Dry Method) (55bg) ASTM D5190-07 Standard Test Method for Vapor Pressure of NR 419.045 (5) (d) Petroleum Products (Automatic Method) (55br) Standard Test Method for Vapor Pressure of ASTM D5191–10b NR 419.045 (5) (d) Petroleum Products (Mini Method) (55g) ASTM D5865-04 Standard Test Method for Gross Calorific Value of NR 400.02 (79) Coal and Coke NR 439.08 (1) (d) Standard Test Methods for Specific Gravity of (55i) ASTM D5965-02 NR 465.47 (2) (c) Coating Powders (55L) ASTM D6053-00 Standard Test Method for Determination of 40 CFR part 63, Subpart MMMM, Volatile Organic Compound (VOC) Content of Appendix A **Electrical Insulating Varnishes** (55m) ASTM D6093-97 (2003) Standard Test Method for Percent Volume NR 465.26 (2) (b) 1. Nonvolatile Matter in Clear or Pigmented Coatings NR 465.46 (2) (b) 1. Using a Helium Gas Pycnometer NR 462, Table 6 (55p) ASTM D6323-98 (2003) Standard Guide for Laboratory Subsampling of Media Related to Waste Management Activities

# Table 5 (Continued)

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	Standard Number	Standard Title	Incorporated by Reference For		
(55t)	ASTM D6522-00	Standard Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas–Fired Reciprocating Engines, Combustion Turbines, Boilers and Process Heaters Using Portable Analyzers	NR 462, Table 5		
(55v)	ASTM D6751-09	Standard Specification for Biodiesel Fuel Blend Stock (B100) for Middle Distillate Fuels	NR 406.02 (1)		
(55x)	ASTM D6784-02	Standard Test Method for Elemental, Oxidized, Particle–Bound and Total Mercury in Flue Gas Generated from Coal–Fired Stationary Sources (Ontario Hydro Method)	NR 462, Table 5		
(55c)	ASTM D5291-02	Standard Test Methods for Instrumental Determination of Carbon, Hydrogen, and Nitrogen in Petroleum Products and Lubricants	40 CFR part 63, Subpart MMMM, Appendix A		
(56)	ASTM E84-03	Standard Test Method for Surface Burning Characteristics of Building Materials	ANSI A135.5-2004		
(56d)	ASTM E711-87 (2004)	Standard Test Method for Gross Calorific Value of Refuse–Derived Fuel by the Bomb Calorimeter	NR 462, Table 6		
(56h)	ASTM E776-87 (2004)	Standard Test Method for Forms of Chlorine in Refuse–Derived Fuel	NR 462, Table 6		
(56m)	ASTM E145-94 (2001)	Standard Specification for Gravity–Convection and Forced–Ventilation Ovens	40 CFR part 63, Subpart PPPP, Appendix A		
(56p)	ASTM E871-82 (1998)	Standard Method of Moisture Analysis of Particulate Wood Fuels	NR 462, Table 6		
(56t)	ASTM E885-88 (2004)	Standard Test Methods for Analyses of Metals in Refuse–Derived Fuel by Atomic Absorption Spectroscopy	NR 462, Table 6		
(57)	ASTM G23-96	Standard Practice for Operating Light–Exposure Apparatus (Carbon–Arc Type) With and Without Water for Exposure of Nonmetallic Materials	ANSI/AHA A135.5-1988		

### Table 5 (Continued) ASTM Standard References

Water for Exposure of Noninetaline Viaterials **History:** Renum. from NR 484.06 (4) and am., Register, February, 1995, No. 470, eff. 3–1–95; am. (1), (3), (7), (8), (15), (39), (51), (54), cr. (12m), (19), Register, April, 1995, No. 472, eff. 5–1–95; cr. (39m), Register, June, 1995, No. 474, eff. 7–1–95; am. (12), (17), (23), (24), (26), (29) to (31), (34), (40), (43) to (46), (53), (55) and (56), (11), Register, January, 1997, No. 493, eff. 2–1–97; am. (intro.), (28) and (35), Register, March, 1997, No. 495, eff. 4–1–97; am. (intro.), (1) to (10), (13) to (16), (18), (19), (21), (22), (24), (25) to (29), (31), (32), (33), (34), (36), (37), (39) to (42), (44), (47) to (52), (54), r. (12m), (35), renum. and am. (55) and (56) to be (56) and (57) and cr. (41m) and (55), Register, November, 1999, No. 527, eff. 12–1–99; am. (9), cr. (25m), Register, January, 2001, No. 541, eff. 2–1–01; CR 00–175: am. (intro.), and Table 5 Register March 2002 No. 555, eff. 4–1–02; CR 02–146: am. (1), (2), (4), (6) to (8), (12), (13), (21), (25), (25m), (27) to (34), (40), (41m), (44), (45), (49) to (51), (53), (54) and (559) Register Cotober 2003 No. 574, eff. 11–1–04; CR 05–040: am. (intro.), (22), (39e) and (55m), cr. (55c), (551), (55L) and (56m), Register February 2006 No. 602, eff. 3–1–06; CR 05–116: am. (3), (7), (8), (30), (33), (42) and (47m), cr. (26m), (47L), (55p), (55t), (55x), (56h), (56h), (56h), (56h) Register November 2006 No. 611, eff. 12–1–06; CR 07–036: am. (47m) Register November 2008 No. 635, eff. 12–1–08; CR 08–102: am. (9), (12), (14), (21), (23), (35), (55br) in Table 5 Register January 2012 No. 673, eff. 2–1–10; CR 11–005; CR 09–020: cr. (55v) Register January 2010 No. 649, eff. 2–1–10; CR 11–005; am. (6), (39m) in Table 5, cr. (55b), (55br), (55br), in Table 5 Register January 2012 No. 673, eff. 2–1–12; CR 20–088: am. (9), (25m) in Table 5 Register May 2022 No. 797, eff. 6–1–22.

**NR 484.11 Other private organizations.** The following materials from other private organizations listed in the first column of Tables 6A to 6K are incorporated by reference for the corresponding sections of chs. NR 400 to 439 and 445 to 499 listed in the third column of Tables 6A to 6K. Some of the materials are incorporated into other documents which are separately incorporated by reference in this chapter. Those documents are also listed in the third column of Tables 6A to 6K.

**Note:** Copies of these materials are available for inspection in the offices of the department of natural resources and legislative reference bureau, Madison, Wisconsin or may be purchased for personal use by writing to the organizations listed in the individual subsections.

(1) The following is a document from the American Architectural Manufacturers Association (AAMA).

Note: Copies may be purchased for personal use from: American Architectural Manufacturers Association 1827 Walden Office Square Suite 104 Schaumburg IL 60173–4628

Table 6A		
	AAMA Document Reference	
Document Number	Title	Incorporated by Reference For
AAMA 2604–02	Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings On Aluminum Extrusions and Panels	NR 422.02 (42) NR 465.42 (21)

(2) The following are documents from the American Conference of Governmental Industrial Hygienists (ACGIH).

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### Note: Copies may be purchased for personal use from: American Conference of Governmental Industrial Hygienists Technical Information Office 1330 Kemper Meadow Dr Cincinnati OH 45240

## Table 6B

	Document Number	Title	Incorporated by Reference For
(a)	ISBN:0-936712-72-4	Threshold Limit Values and Biological Exposure Indexes for 1987–1988	NR 445.04 (1) (a) 1. NR 445.04 (1) (a) 2. NR 445.04 (1) (b) NR 445.04 (2) (a) NR 445.04 (2) (b) NR 445.04 (3) (c) 6. NR 445.05 (1) (a) 1. NR 445.05 (1) (a) 2. NR 445.05 (1) (b) NR 445.05 (2) (a) NR 445.05 (2) (b) NR 445.05 (3) (c) 7.
(b)	ISBN:0–936712–86–4	1990–1991 Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indexes	NR 445.04 (4) (a) 1. NR 445.04 (4) (a) 2. NR 445.04 (4) (b) NR 445.04 (4r) (b) 4. NR 445.05 (4) (a) 1. NR 445.05 (4) (a) 2. NR 445.05 (4) (b) NR 445.05 (4r) (b) 4.
(c)	ISBN: 1-882417-36-4	2000 Threshold Limit Values for Chemical Sub- stances and Physical Agents and Biological Expo- sure Indices	NR 445.07 (1) (b) (intro.) NR 445.07 (5) (d) 2. NR 445.15 (3)
(d)		Industrial Ventilation: A Manual of Recommended Practice, 23th ed., 1998	NR 421.04 (3) (c) 1. NR 460 Appendix RRR NR 463.14, Table 2 NR 463.14 (3) (a)

(3) The following is a document from the American Gas Association (AGA) laboratories.

Association (AGA) laboratories. Note: Copies may be purchased for personal use from: American Gas Association Laboratories 8501 East Pleasant Valley Road Cleveland OH 44131

## Table 6C

	AGA Laboratories Document Reference	
Document Number	Title	Incorporated by Reference For
Standard Z21.6 - 1973 with addened	da: American National Standard for Domestic	NR 415.07 (1) (b) 2.
Z21.6a – 1975, Z21.6b – 1978	Gas-Fired Incinerators	NR 415.07 (2) (a) 4.
(4) The following are documents	from the American National	
Standards Institute.		
Note: Copies may be purchased for persona	al use from:	
Composite Panel Association		
19465 Deerfield Avenue, Suite 306		
Leesburg, VA 20176		
Telephone: (703) 724–1128 Website: http://www.pbmdf.com		
or from:		
HIS Global Engineering Documents		
15 Inverness Way East		
Englewood, CO 80112		
Telephone: (800) 854–7179		
E-mail: globalcustomerservice@ihs.co	m	
Website: http://global.ihs.com	<b>T</b> 11 (D	
	Table 6D	
	AHA Document References	
Document Number	Title	Incorporated by Reference For
(a) ANSI A135.4–2004	Basic Hardboard	ANSI A135.5-2004
		NR 422.02 (12s)
(b) ANSI A135.5–2004	Prefinished Hardboard Paneling	NR 422.02 (13)

(5) The following is a document from the American Petroleum Institute (API).

http://docs.legis.wisconsin.gov/code/admin code WISCONŠIN ADMINIŠTRATIVE CODE

560-6

Note: Copies may be purchased for personal use from: American Petroleum Institute 1220 L Street NW Washington DC 20005

Table 6E

## **API Document Reference**

Document Number	Title	Incorporated by Reference For
Publication 2517	Evaporative Loss from External Floating Roof Tanks, 3rd edition, February 1989	NR 419.045 (5) (d) NR 420.02 (33) NR 420.03 (3) (c)

(6) The following are documents from the American Society of Mechanical Engineers (ASME): Note: Copies may be purchased for personal use from: The American Society of Mechanical Engineers 22 Law Drive Fairfield NJ 07007–2900 E-mail: infocentral@asme.org

Phone: (973) 882–1170 Fax: (973) 882–5155

Table 6F annant Dafe

ASME Document Reference		
Document Number	Title	Incorporated by Reference For
(a) PTC 4.2–1969 (1997)	Test Code for Coal Pulverizers	NR 439.098 (1) (c)
(b) PTC 19.10–1981	Flue and Exhaust Gas Analysis	NR 462, Table 5 NR 465.28 (7) (a) 3. NR 466.24 (3) (e) 1. c.

(7) The following is a document from The Business and Insti-

tutional Furniture Manufacturer's Association (BIFMA).

Note: Copies may be purchased for personal use from: BIFMA International 2680 Horizon Drive SE, Suite A-1 Grand Rapids MI 49546-7500 E-mail: email@bifma.org Phone: (616) 285-3963 Fax: (616) 285-3765

### Table 6G

BIFMA	Document	Reference
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Document Number	Title	Incorporated by Reference For
BIFMA X5.7–1991	Voluntary Upholstered Furniture Flammability Standard for Non–residential, Non–live–in Occu-	NR 465.04 (1) (b) 1.
	pancies	

(8) The following is a document from the International Orga-

nization for Standardization (ISO):

Note: Copies may be purchased for personal use from: American National Standards Institute 11 West 42nd Street

13th floor

New York NY 10036

## Table 6H

ISO Document Reference		
Document Number	Title	Incorporated by Reference For
ISO 9931 (1991)	Coal – Sampling of Pulverized Coal Conveyed by Gases in Direct Fired Coal Systems	NR 439.098 (1) (c)

(9) The following is a document from the National Council of the Paper Industry for Air and Stream Improvement, Inc. (NCASI): Note: Copies may be obtained for personal use from: National Council of the Paper Industry for Air and Stream Improvement, Inc. PO Box 13318

Research Triangle Park NC 27709-3318 http://www.ncasi.org (919) 558-1987

http://docs.legis.wisconsin.gov/code/admin\_code DEPARTMENT OF NATURAL RESOURCES

Table 6I

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NR	484.	11
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NCASI Document Reference			
	Document Number	Title	Incorporated by Reference For
	SI Method IEOH–94.02	Methanol in Process Liquids by GC/FID, August 1998, Methods Manual	40 CFR 63.457(c)(3)(ii)
niture	<b>b)</b> The following are document Action Council (UFAC). : Copies may be purchased for persona Upholstered Furniture Action Counci Box 2436 High Point, NC 27261 Phone: (336) 885–5065 Fax: (336) 885–5072	l use from:	
		Table 6J	
		<b>UFAC Document Reference</b>	
	Document Number	Title	Incorporated by Reference For
(a)	DMTM1990	Decking Materials Test Method1990	NR 465.04 (1) (b) 1.
(b)	WCTM1990	Welt Cord Test Method1990	NR 465.04 (1) (b) 1.
(c)	IFTM1990	Interior Fabrics Test Method1990	NR 465.04 (1) (b) 1.
(d)	F/PCTM1990, PT A	Filling/Padding Component Test Method––1990 Part A – For Slab or Garnetted Materials	NR 465.04 (1) (b) 1.
(e)	F/PCTM1990, PT B	Filling/Padding Component Test Method––1990 Part B – For Fibrous or Particulate Materials	NR 465.04 (1) (b) 1.
(f)	PTM1990	Barrier Test Method1990	NR 465.04 (1) (b) 1.
(g)	FCTM1990	Fabric Classification Test Method1990	NR 465.04 (1) (b) 1.
(h)	DTTM1993	Standard Test Methods for Decorative Trims, Edging, and Brush Fringes––1993	NR 465.04 (1) (b) 1.

(11) The following documents are from the World Resources Institute and World Business Council for Sustainable Development.

Note: Copies of the document listed in par. (a) may be downloaded for personal use from the following internet address: http://www.ghgprotocol.org/ Printed copies may be purchased from: World Resources Institute Publications

World Resources Institute Publications PO Box 4852 Hampden Station Polyimer MD 21211

Baltimore MD 21211 Phone: 1–800–822–0504 Fax: (410) 516–6998 **Note:** Copies of the software documents listed in par. (b) may be downloaded for personal use from the following internet address: http://www.ghgprotocol.org/cal-culation-tools

To obtain the software by mail contact: WRI 10 G Street NE Washington DC 20002 Phone: (202) 729–7600 Fax: (202) 729–7637

## Table 6K WRI/WBCSD Document Reference

Document Number	Title	Incorporated by Reference For
(a) ISBN 2-940240-18-3	The Greenhouse Gas Protocol – a cor- porate accounting and reporting stan- dard, first edition, September 2001	NR 437.04 (2) (a) 20.
(b) N/A	GHG Calculation Tools	NR 437.04 (2) (a) 21.

(12) The following document is a joint publication of the American Public Health Association, the American Water Works Association, and the Water Environment Federation.

Note: Copies may be purchased for personal use from: APHA Publications Sales PO Box 933019 Atlanta, GA 31193–3019 Telephone: (888) 361–2742 Website: http://www.apha.org/publications/pubscontact/

http://docs.legis.wisconsin.gov/code/admin\_code WISCONSIN ADMINISTRATIVE CODE

560-8

Table 6L APHA Document Reference		
Document Number	Title	Incorporated by Reference For
N/A	Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998	NR 419.045 (5) (f) 5.

**History:** Cr. Register, February, 1995, No. 470, eff. 3–1–95; am. (1) (b), Register, April, 1995, No. 472, eff. 5–1–95; r. (1) (c), am. (1) (a), Register, December, 1995, No. 480, eff. 1–1–96; am. (5), Register, January, 1997, No. 493, eff. 2–1–97; am. (5), renum. (1) to (5) to be (2), (3), (4), (5) and (1), cr. (6) and (7), Register, November, 1999, No. 527, eff. 12–1–99; CR 00–160: renum. (7) and Table 6G to be (8) and Table 6H, cr. (7) and (10), Register August 2001 No. 548, eff. 9–1–01; CR 00–175: am. (intro.), cr. (9) and Table 6G Register March 2002 No. 555, eff. 4–1–02; CR 02–012: am. (intro.), cr. (11) and Table 6K Register October 2002 No. 562, eff. 11–1–02; CR 03–037: am. (6) and Table 6F, cr. (6) (b) Register March 2004 No. 579, eff. 4–1–04; CR 02–097: am. (2) (b), cr. (2) (c), Register June 2004 No. 582, eff. 7–1–04; CR 05–116: am. (6) (b) Register November 2006 No. 613, eff. 5–1–06; CR 05–116: am. (6) (b) Register November 2008 No. 628, eff. 5–1–06; CR 07–045: am. (2) (d) Register December 2008 No. 636, eff. 1–1–09; CR 08–102: am. (4) Register July 2009 No. 643, eff. 8–1–09; CR 11–005: am. (5), cr. (12) Register January 2012 No. 673, eff. 2–1–12.