

Chapter NR 484

INCORPORATION BY REFERENCE

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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.

(2) **PURPOSE.** This chapter is adopted under ss. 144.31 (1) and 227.21 (2), 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. 400 to 499.

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.

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 and other materials in chs. NR 400 to 404. The federal regulations or appendix materials in effect on July 1, 1990 and other materials listed in this section are incorporated by reference for the corresponding sections of chs. NR 400 to 404. Copies of these materials are available for inspection in the offices of the department of natural resources, secretary of state and revisor of statutes, Madison, Wisconsin or may be purchased for personal use from the superintendent of documents, U.S. government printing office, Washington, DC 20402, or from the organization listed in the applicable subsection.

(1) Appendices A to K of 40 CFR part 50 for ss. NR 404.02 (4m), (8) and (11), 404.04 (5) and (8) (b) 3 and 404.06 (2).

(2) 40 CFR part 53 for s. NR 404.02 (4m).

(3) Appendix A of 40 CFR part 60 for s. NR 400.02 (77).

(4) Fundamentals of Smoke Abatement, December, 1950, Ringlemann Chart, Information Circular 7588, U.S. bureau of mines, for s. NR 400.02 (80m). Copies may be obtained from the U.S. department of interior, Washington, DC 20240.

(5) Standard Industrial Classification Manual, 1987, for s. NR 400.02 (91). Copies may be obtained from the National Technical Information Service, 5285 Port Royal Road, Springfield VA 22161 using order no. PB 87-100012.

(6) The following materials may be purchased from the American Society for Testing and Materials, 1916 Race Street, Philadelphia PA 19103:

(a) ASTM D240-87, Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter, for s. NR 400.02 (43e).

(b) ASTM D396-89a, Standard Specification for Fuel Oils, for s. NR 400.02 (80).

(c) ASTM D1826-88, Standard Test Method for Calorific Value of Gases in Natural Gas Range by Continuous Recording Calorimeter, for s. NR 400.02 (43e).

(d) ASTM D2015-91, Standard Test Method for Gross Calorific Value of Coal and Coke by the Adiabatic Bomb Calorimeter, for s. NR 400.02 (43e).

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, May, 1993, No. 449, eff. 6-1-93.

NR 484.05 Code of federal regulations and other materials in chs. NR 419 to 438. The federal regulations or appendix materials in effect on July 1, 1990 and other materials listed in this section are incorporated by reference for the corresponding sections of chs. NR 419 to 438. Copies of these materials are available for inspection in the offices of the department of natural resources, secretary of state and revisor of statutes, Madison, Wisconsin or may be purchased for personal use from the superintendent of documents, U.S. government printing office, Washington, DC 20402, or from the organization listed in the applicable subsection.

~~(1) Test Method 21 in Appendix A of 40 CFR part 60 is incorporated by reference for ss. NR 420.02 (39m), 421.02 (12m), 421.05 (2) (e) and 421.06 (2) (e).~~

(1m) The U.S. environmental protection agency's "Emissions Trading Policy Statement; General Principles for Creation, Banking and Use of Emission Reduction Credits", 51 FR 43814, December 4, 1986 for s. NR 425.05 (1) (b) 2. Copies of this document may be obtained for personal use from the U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, MD-15, Research Triangle Park, NC 27711.

(2) National Bureau of Standards, Voluntary Product Standard PS-59-73, Prefinished Hardwood Paneling, for s. NR 422.02 (7). Copies of this document may be obtained from the National Institute of Standards and Technology, Quince Orchard and Clopper Roads, Gaithersburg, MD 20899.

~~(3) The following materials may be purchased from the National Technical Information Service, 5285 Port Royal Road, Springfield VA 22161:~~

~~(a) Recommended Industrial Ventilation Guidelines, U.S. department of health, education and welfare, national institute of occupational safety and health, 1976, NTIS order no. PB 266 227, for s. NR 421.04 (3) (c) 2.~~

~~(b) Standard Industrial Classification Manual, 1987, NTIS order no. PB 87 100012, for ss. NR 421.02 (2) (c) and (11c), 422.15(1) (intro.) and 438.02 (1).~~

~~(c) Compilation of Air Pollutant Emission Factors, USEPA OAQPS, AP 42, Volume 1: Stationary Point and Area Sources, as amended by Supplement B in September, 1989, Supplement C in September, 1990, and Supplement D in September, 1991, for s. NR 438.03 (5).~~

~~(d) Toxic Air Pollutant Emission Factors for Selected Air Toxic Compounds and Sources, USEPA OAQPS, EPA 450/2-90-066a, October, 1990, for s. NR 438.03 (5).~~

~~(e) AIRS Facility Subsystem Source Class Codes and Emission Factors, EPA 450/4-90-003, March, 1990, for s. NR 438.02 (2).~~

~~(4) Industrial Ventilation: A Manual of Recommended Practice, 20th ed., American Conference of Governmental Industrial Hygienists, 1988, for s. NR 421.04 (3) (c) 1. Copies may be obtained from the American Conference of Governmental Industrial Hygienists, Committee on Industrial Ventilation, 6500 Glenway Ave., Building D-7, Cincinnati, OH 45211.~~

(5) The Architectural Aluminum Manufacturer's Association publication number AAMA 605.2-1985 is incorporated by reference for s. NR 422.02 (21m). The publication may be purchased for personal use from the Architectural Aluminum Manufacturer's Association, 2700 River Road, Suite 118, Des Plaines, IL 60018.

(6) American Petroleum Institute Publication 2517, Evaporative Loss from External Floating Roof Tanks, 3rd edition, February 1989 for s. NR 420.02 (33) and 420.03 (3) (c). Copies may be obtained from the American Petroleum Institute, 1220 L Street, NW, Washington, DC 20005.

(7) The following materials may be purchased from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

(a) ASTM D97-87, Standard Test Methods for Pour Point of Petroleum Oils, for s. NR 420.02 (41).

(b) ASTM D323-89, Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method), for s. NR 420.02 (31).

(c) ASTM D396-89a, Standard Specification for Fuel Oils, for s. NR 420.03 (1) (a).

(d) ASTM D975-89a, Standard Specification for Diesel Fuel Oils, for s. NR 420.03 (1) (a).

(e) ASTM D2880-89, Standard Specification for Gas Turbine Fuel Oils, for s. NR 420.03 (1) (a).

(8) The 1990-1991 Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices, published by the American conference of governmental industrial hygienists (publication ISBN: 0-936712-86-4), is incorporated by reference for s. NR 438.03 (1) (b). This publication may be purchased for personal use from the American Conference of Governmental Industrial Hygienists (ACGIH), 6500 Glenway Avenue, Cincinnati, OH 45211.

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.

NR 484.06 Code of federal regulations and other materials in ch. NR 439.
(1) APPENDIX M OF 40 CFR PART 51. Appendix M of 40 CFR part 51 and the test methods in this appendix, as in effect on July 1, 1993, are incorporated by reference for ch. NR 439. Copies of this appendix are available for inspection in the offices of the department of natural resources, secretary of state and revisor of statutes, Madison, Wisconsin, or may be purchased for personal use from the superintendent of documents, U.S. government printing office, Washington, DC 20402.

(2) APPENDICES OF 40 CFR PART 60. Appendices A and B of 40 CFR part 60 and test methods in these appendices, as in effect on July 1, 1993, are incorporated by reference for ch. NR 439. Copies of these appendices are available for inspection in the offices of the department of natural resources, secretary of state and revisor of statutes, Madison, Wisconsin, or may be purchased for personal use from the superintendent of documents, U.S. government printing office, Washington, DC 20402.

(3) APPENDICES OF 40 CFR PART 75. Appendices A through I of 40 CFR part 75 and test methods in these appendices, as in effect on July 1, 1993, are incorporated by reference for ch. NR 439. Copies of these appendices are available for inspection in the offices of the department of natural resources, secretary of state and revisor of statutes, Madison, Wisconsin, or may be purchased for personal use from the superintendent of documents, U.S. government printing office, Washington, DC 20402.

(4) OTHER MATERIALS. The materials listed in this subsection are incorporated by reference for the corresponding sections noted. Some of the materials are also incorporated for Appendix A or B of 40 CFR part 60 as in effect on July 1, 1993. Since these Appendices are incorporated by reference in this chapter by sub. (1), materials listed in this subsection which are incorporated by reference for the Appendices are hereby also incorporated by reference and made a part of this chapter and ch. NR 439. The materials are available for inspection in the offices of the department of natural resources, secretary of state and revisor of statutes, Madison, Wisconsin or may be purchased for personal use at one of the

following addresses: American Society for Testing and Materials (ASTM), 1916 Race Street, Philadelphia, PA 19103; or the University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106; or the address listed in the applicable paragraph.

(a) ASTM D129-64 (1978), Standard Test Method for Sulfur in Petroleum Products (General Bomb Method), for 40 CFR part 60, Appendix A, Method 19 and for s. NR 439.08 (2) (b).

(b) ASTM D240-87, Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter, for 40 CFR part 60, Appendix A, Method 19 and for s. NR 439.08 (2) (c).

(c) ASTM D1193-77 (1983), Standard Specification for Reagent Water, for 40 CFR part 60, Appendix A, Method 6, par. 3.1.1., Method 7, par. 3.2.2., Method 7A, par. 3.2., Method 7C, par. 3.1.1., Method 7D, par. 3.1.1., Method 8, par. 3.1.3., Method 11, par. 6.1.3., Method 12, par. 4.1.3., and Method 13A, par. 6.1.2.

(d) ASTM D1475-60 (1980), Standard Test Method for Density of Paint, Varnish, Lacquer, and Related Products, for 40 CFR part 60, Appendix A, Method 24, par. 2.1. and Method 24A, pars. 2.2. and 2.3.

(e) ASTM D1826-77, Standard Test Method for Calorific Value of Gases in Natural Gas Range by Continuous Recording Calorimeter, for 40 CFR part 60, Appendix A, Method 19.

(f) ASTM D2013-86, Standard Method of Preparing Coal Samples for Analysis, for 40 CFR part 60, Appendix A, Method 19 and for s. NR 439.08 (1) (b).

(g) ASTM D2015-85, Standard Test Method for Gross Calorific Value of Coal and Coke by the Adiabatic Bomb Calorimeter, for 40 CFR part 60, Appendix A, Method 19 and for s. NR 439.08 (1) (d).

(h) ASTM D2234-89, Standard Test Methods for Collection of a Gross Sample of Coal, for 40 CFR part 60, Appendix A, Method 19 and for ss. NR 439.08 (1) (a) and 439.085 (2) (a) 1, (b) 1 and (c) 1.

(i) ASTM D2369-81, Standard Test Method for Volatile Content of Coatings, for 40 CFR part 60, Appendix A, Method 24, par. 2.2.

(j) ASTM D2986-71 (1978), Standard Method for Evaluation of Air Assay Media by the Monodisperse DOP (Dioctyl Phthalate) Smoke Test, for 40 CFR part 60, Appendix A, Method 5, par. 3.1.1., Method 12, par. 4.1.1., Method 13A, par. 6.1.1.2., and Method 17, par. 3.1.1.

(k) ASTM D3173-87, Standard Test Method for Moisture in the Analysis Sample of Coal and Coke, for 40 CFR part 60, Appendix A, Method 19 and for s. NR 439.08 (1) (f).

(l) ASTM D3174-89, Standard Test Method for Ash in the Analysis Sample of Coal and Coke From Coal, for s. NR 439.08 (1) (e).

(m) ASTM D3176-89, Standard Practice for Ultimate Analysis of Coal and Coke, for s. NR 439.08 (1) (g).

(n) ASTM D3177-89, Standard Test Methods for Total Sulfur in the Analysis Sample of Coal and Coke, for 40 CFR part 60, Appendix A, Method 19 and for s. NR 439.08 (1) (c).

(o) ASTM D3792-79, Standard Test Method for Water Content of Water-Reducible Paints by Direct Injection into a Gas Chromatograph, for 40 CFR part 60, Appendix A, Method 24, par. 2.3.

(p) ASTM D4017-81, Standard Test Method for Water in Paints and Paint Materials by Karl Fischer Method, for 40 CFR part 60, Appendix A, Method 24, par. 2.4.

(q) ASTM D4057-88, Standard Practice for Manual Sampling of Petroleum and Petroleum Products, for s. NR 439.08 (2) (a).

(r) ASTM D4177-82, Standard Method for Automatic Sampling of Petroleum and Petroleum Products, for s. NR 439.08 (2) (a).

(s) ASTM D4239-85, Standard Test Methods for Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods, for 40 CFR part 60, Appendix A, Method 19 and for s. NR 439.08 (1) (c).

(t) ASTM D4294-83, Standard Test Method for Sulfur in Petroleum Products by Non-Dispersive X-Ray Fluorescence Spectrometry, for s. NR 439.08 (2) (b).

(u) San Diego Air Pollution Control District Test Procedure TP-91-1, Pressure Decay/Leak Test Procedure, Phase I and Phase II Vapor Recovery Installations, for s. NR 439.06 (3) (i). Copies may be obtained from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 or from the San Diego Air Pollution Control District, 9150 Chesapeake Drive, San Diego, CA 92123-1095.

(v) San Diego Air Pollution Control District Test Procedure TP-91-2, Pressure Drop vs. Flow/Liquid Blockage Test Procedure, Phase II Balance System Installations, for s. NR 439.06 (3) (i). Copies may be obtained from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 or from the San Diego Air Pollution Control District, 9150 Chesapeake Drive, San Diego, CA 92123-1095.

History: Cr. Register, September, 1987, No. 381, eff. 10 1 87; renum. from NR 484.04 and am. (1) (b) and (2) (c), cr. (1) (zp), Register, February, 1990, No. 410, eff. 3 1 90; renum. (1) (zk) to (zp) to be (zl) to (zp) and (zk), renum. (2) (a) to (t) to be (j), (c), (h), (f), (n), (s), (k), (g), (l), (q), (r), (b), (a), (t), (e), (d), (i), (o), (p) and (m), and am. (c), (l) and (t), Register, August, 1991, No. 428, eff. 9-1 91; am. (1) (intro.), (2) (intro.), (a) to (c), (e) to (h), (k) to (t), Register, May, 1992, No. 437, eff. 6 1 92; am. (2) (intro.), cr. (2) (u) and (v), Register, January, 1993, No. 445, eff. 2 1 93; renum. (1) and (2) to be (2) and (4) and am. (2) and (4) (intro.), cr. (1) and (3), Register, December, 1993, No. 456, eff. 1 1 94.

NR 484.08 Code of federal regulations in chs. NR 445 to 483. The federal regulations or appendix materials in effect on July 1, 1990 listed in this section are incorporated by reference for the corresponding sections of chs. NR 445 to 483. Copies of these materials are available for inspection in the offices of the department of natural resources, secretary of state and revisor of statutes, Madison, Wisconsin or may be purchased for personal use from the superintendent of documents, U.S. government printing office, Washington DC 20402.

(1) 29 CFR 1910.145 (d) (4) for ss. NR 447.12 (4) (a) 2, 447.14 (2) (a) 2 and 447.17 (2) (a) 2.

(2) 29 CFR 1910.1001 (j) (2) or 1926.58 (k) (2) (iii) for s. NR 447.13 (1) (a) 4.

(3) 29 CFR 1926.58, appendix G for s. NR 447.02 (18) Note.

(4) Test Method 3, Appendix A of 40 CFR part 60 for s. NR 449.09 (6) (a) 3.

(5) Test Method 5, Appendix A of 40 CFR part 60 for Test Method 101, Appendix B, 40 CFR part 61.

(6) Appendix B of 40 CFR part 61 for s. NR 445.02 (9m) and chs. NR 446 to 483.

(7) 40 CFR 61.07 for s. NR 447.18 (1) Note.

(8) 40 CFR 61.10 and Appendix A of 40 CFR part 61 for s. NR 447.16 (2).

(9) Subpart F, appendix A, section 1, of 40 CFR part 763, Polarized Light Microscopy, for ss. NR 447.02 (1), (16), (27) and (36) and 447.09 (1).

History: Renum. from NR 154.19 (7) (a) and am. Register, September, 1986, No. 369, eff. 10-1-86; am. (1), Register, December, 1988, No. 396, eff. 1-1-89; renum. from NR 484.025 and am. (intro.), (4) and (5), Register, February, 1990, No. 410, eff. 3-1-90; am. (intro.), renum. (1) to (5) to be (5), (3), (4), (1) and (2), Register, May, 1992, No. 437, eff. 6-1-92; am. (1) and (2), renum. (3) to (5) to be (4) to (6), cr. (3) and (7) to (9), Register, October, 1992, No. 442, eff. 11-1-92.

NR 484.09 Other materials in chs. NR 445 to 483. The materials listed in this section are incorporated by reference for the corresponding sections noted. Some of the materials are also incorporated for Appendix B of 40 CFR part 61 as in effect on July 1, 1990. Since Appendix B is incorporated by reference in s. NR 484.08, materials incorporated by reference for that Appendix are hereby also incorporated by reference and made a part of this section. The materials are available for inspection in the offices of the department of natural resources, secretary of state and revisor of statutes, Madison, Wisconsin or may be purchased for personal use at the corresponding address noted.

(1) The following materials are available for purchase from at least one of the following addresses: American Society for Testing and Materials (ASTM), 1916 Race Street, Philadelphia, PA 19103, or the University Microfilms International, 300 North Zeeb Raod, Ann Arbor, MI 48106.

(a) ASTM D737-75 (1980), Standard Test Method for Air Permeability of Textile Fabrics, for s. NR 447.15 (1) (a) 1.

(b) ASTM D1193-77 (1983), Standard Specification for Reagent Water, for 40 CFR part 61, Appendix B, Method 101, par. 6.1.1.

(c) ASTM D2986-71 (1978), Standard Method for Evaluation of Air Assay Media by the Monodisperse DOP (Dioctyl Phthalate) Smoke Test, for 40 CFR part 60, Appendix A, Method 5, par. 3.1.1.

(2) The threshold limit values and biological exposure indices for 1987-1988, published by the American conference of governmental industrial hygienists (publication ISBN: 0-936712-72-4), are incorporated by reference for ss. NR 445.04 (1) (a) 1 and 2 and (b) and (2) (a) and (b) and 445.05 (1) (a) 1 and 2 and (b) and (2) (a) and (b). This publication may be purchased for personal use from the American Conference of Governmental Industrial Hygienists (ACGIH), 6500 Glenway Avenue, Cincinnati, OH 45211.

(3) The 1990-1991 Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices, published by the Register, December, 1993, No. 456

American conference of governmental industrial hygienists (publication ISBN: 0-936712-86-4), is incorporated by reference for ss. NR 445.04 (4) (a) 1 and 2 and (b), 445.05 (4) (a) 1 and 2 and (b) and 445.06 (4). This publication may be purchased for personal use from the American Conference of Governmental Industrial Hygienists (ACGIH), 6500 Glenway Avenue, Cincinnati, OH 45211.

(4) Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-85, Section 401, 1985, is incorporated by reference for s. NR 447.04 (2) (c).

History: Renum. from NR 154.19 (7) (b) and am. Register, September, 1986, No. 369, eff. 10-1-86; cr. (2), Register, July, 1988, No. 391, eff. 8-1-88; renum. from NR 484.03 and 484.05 and am. (intro.) and (1) (a), renum (2) to be NR 484.05 (2), Register, February, 1990, No. 410, eff. 3-1-90; am. (intro.), (1) (a) to (c) and (2), cr. (3), Register, May, 1992, No. 437, eff. 6-1-92; am. (1) (a), cr. (4), Register, October, 1992, No. 442, eff. 11-1-92.

NR 184.05 Code of federal regulations and other materials in chs. NR 119 to 138.

(9) ANSI/AHA A135.5-1988, Prefinished Hardboard Paneling, for s. NR 422.02 (7). Copies of this document may be obtained from the American Hardboard Association, 1210 W Northwest Highway, Palatine IL 60067.

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.

ORDER OF THE STATE OF WISCONSIN
NATURAL RESOURCES BOARD REPEALING, RENUMBERING,
RENUMBERING AND AMENDING, AMENDING AND CREATING RULES

The Wisconsin Natural Resources Board adopts an order to **repeal** NR 400.02(61m), 405.02(5), 405.04(3), 415.09(1)(a) to (e), 417.06(3), 417.07(6)(a)1. to 5. and (b) to (d) and (9), 418.025(2)(intro.) and (a) to (e), 418.03(2)(intro.) and (a) to (e), 418.04(2)(a) to (e), 418.05(2), (3)(a) to (e), 418.06(2)(b) to (e), 418.07(2)(intro.) and (a) to (e), 421.04(4), 422.05(3), 422.09(2)(c), (3)(a), (c), (e), (f) and (h) and (4)(a), (c) and (e), 423.03(6)(b)1. to 5., 424.03(2)(b)1. and 2., 425.03(2)(a)1. to 5. and (b), (3)(a)1. to 7., (c)2., (d)1. to 4., (e)1. to 6. and (f), (4)(a)1. to 5. and (b), (5)(a)1. to 4., (b) and (c) and (6)(b)1. to 3., 439.095(2)(a) and (b), 447.02(4), 484.03(5) and (6), 484.11(1)(c), 485.045(1)(a), 488.06(1)(d) Note and 493.02(2); to **renumber** NR 400.02(100)(u), 411.02(6) and Note, 418.06(2)(f), 419.02(1m), (1p), (1s), (1t), (1u), (2), (3), (3c), (3e), (3m), (4), (6), (6m) and (7), 420.02(28), 421.02(2e) to (13), 422.02(1e) to (6), (7m) to (11m), (12d) to (33j), (34) to (47e), (48) to (52) and 499.07(2)(a) to (m); to **renumber and amend** NR 417.07(6)(a)(intro.), 418.025(2)(f), 418.03(2)(f), 418.07(2)(f), 419.02(8), 422.02(7), (12), (33m) and (47m), 424.03(2)(b)(intro.), 425.03(2)(a)(intro.), (4)(a)(intro.) and (5)(a)(intro.) and 499.07(2)(n)(intro.); to **amend** NR 30.03(2)(f), 30.04(2)(f), 400 Note, 400.02(41), (77), (79), (90) and (100)(t), 400.03(2), 401.04, 404.04(2)(a)1. and 2. and (6), 404.06(1)(a) and (4)(b), 405.01(2) Note, 405.02(1)(d), (2)(intro.), (3)(intro.) and (a), (4)(a)(intro.), 1. and 2. and (b)1. and 2., (7), (12), (21)(intro.), (b)3. and 5.a. and b., 6. and 8.a., (22)(a)1. and 2., (24)(d), (25g)(b) and (d), (25m)(a) and (c), (25s)(intro.) and (a), (27)(c) and (28), 405.04(1)(a) and (e), (4)(intro.) and (a), 405.05(1), (4)(intro.), (5) and (6), 405.07(3), (4)(intro.) and (b)27. and (5), 405.08(3), 405.10(4), 405.14(1), (2) and (4) 405.15(2)(d), 406.04(1)(intro.), (g), (h), (j) and (2)(intro.), (c), (f)3m., (h) and (i), (4)(a)6., 406.11(1)(f), 407.03(1)(g), (h), (o), (2)(b) and (4), 407.05(4)(c)1. and Table 2 footnote 8, 407.09(4)(a)3.c., 408.02(4), (20)(e)5.a. and b. and (21)(intro.), 409.02(76)(intro.), 409.06(8)(d), 415.02(5), 415.04(1)(b), (2)(a)(intro.), (b)(intro.) and (c)(intro.), (3)(a) and (4)(b), 415.05(2), 415.07(1)(a)(intro.), (b)(intro.) and 2., 415.075(2)(a)5., 415.08(1), 415.09(1)(intro.) and (3), 417.01(1), 417.02(intro.), 417.06(1) and (2), 417.07(7)(a)(intro.) and 1. to 3., 418.01(1), 418.04(1)(a)2. and (2)(intro.), 418.05(3)(intro.) and (4)(intro.), 418.06(2)(intro.), 419.02(intro.), 420.02(intro.), 420.03(1)(b), 420.035(2)(b) and (3)(c), 420.04(2)(a)(intro.) and 2., 420.045(1)(a), (b)(title), (c), (d)1.(intro.) and (e) and (10)(intro.), 421.02(intro.), 421.05(2)(a)(intro.), (2)(e)1. and 2., 421.06(2)(e)1. and 2., 422.03(intro.), (2), (3), (4), (4m)(b) and (c) and (5)(intro.), 422.04(1)(a), (2)(intro.) and (3)(b)(intro.), 422.132(1)(intro.) and (2)(b), 422.14(2)(c)(intro.), 423.02(intro.), 423.03(4)(intro.) and (m), (5)(intro.), (6)(a)(intro.) and (b)(intro.) and (9), 424.03(1)(a)3. and 4., 425.03(3)(a)(intro.), (b), (d)(intro.), (e)(intro.), (6)(b)(intro.), (7)(e), (7m)(intro.) and (a) and (8), 425.035(2)(f) and (3)(a)3. Note, 425.04(1)(b), 426.04, 429.02(intro.) and (1), 436.02(intro.), 436.05(2)(b) and (5), 438.03(1)(b) and Table 1, 439.03(1)(c) and (4)(a)(intro.), 439.075(2)(a)(intro.) and 4., 439.095(2)(intro.), 445.01(1), 445.02(intro.), (2) and (6), 445.04(3)(c)6., (4r)(a)Note and (b)4., (6)(a)(intro.), (b)4. and Tables 2, 3 and 5, 445.05(3)(a) and (c)7., (4r)(b)4. and (6)(bm)4. (intro.), (c) and (e), 447.02(intro.), (16) and (18) Note, 447.07(3)(a) and (d)(intro.), 447.12(3)(b) Note, 447.16(2) 447.18(1) Note, 448.02(intro.), 448.04(2), 449.02(intro.), 449.09(6)(a)3. and 4., (d)2. and (e)1.(intro.), 449.12(3)(a) and (b)5., 484.04(18), 484.05(3), 484.11(1)(a), 488.02(2) Note, 488.03(3)(b) Note, 488.04(3) Note, 488.08, 488.11(1)(b), 493.02(intro.), 493.04(2) and (3), 499.06(2)(intro.), (e) and (g) and 499.07(2)(intro.); and to **create** NR 400.02(53s) Note, (100)(u) and (v), 405.02(21m), (22m), 406.04(7), 419.02(10), 421.05(2)(e)3., 421.06(2)(e)3., 422.03(7), 424.03(2)(c), 425.03(14), 436.05(2)(bm) and 484.04(18m) relating to clarification and cleanup changes in NR 30 and throughout the NR 400 series.

AM-9-95

Analysis Prepared by the Department of Natural Resources

Authorizing statutes: ss. 144.31(1)(a), 144.391(6) and 227.11(2)(a), Stats.

Statutes interpreted: s. 144.31(1)(f), Stats. The State Implementation Plan developed under that provision is revised.

These rule changes affect Wisconsin's existing environmental protection air pollution control rules. Changes affecting most elements of the air pollution control program are made, including; definition of terms, permitting, compliance schedules, emission testing, emission limitations, emission monitoring and incorporation by reference. These changes also affect diverse source categories and pollutants. However, these changes are of a cleanup nature, and are intended to correct errors in content or style, or to improve consistency or clarify existing policy or procedures.

The consent of the Attorney General and the Revisor of Statutes will be sought for the incorporation by reference of two appendices in Title 40 of the Code of Federal Regulations containing test methods and the incorporation by reference of a previously approved document from the American Conference of Governmental Industrial Hygienists for two additional citations.

SECTION 169. NR 484.03(5) and (6) are repealed.

SECTION 170. NR 484.04(18) is amended to read:

CFR Appendix Referenced	Title	Incorporated by Reference For
NR 484.04(18) 40 CFR part 61 Appendix B	Test Methods	NR 400.02(77) NR 445.02(9m) NR 446 to NR 483

SECTION 171. NR 484.04(18m) is created to read:

CFR Appendix Referenced	Title	Incorporated by Reference For
NR 484.04(18m) 40 CFR part 63 Appendix A	Test Methods	NR 400.02(77)

SECTION 172. NR 484.05(3) as affected by Clearinghouse Rule 94-184 is amended to read:

Document Reference	Document Title	Incorporated by Reference For
NR 484.05(3) NTIS Order No. PB93-192664	Metropolitan Areas, 1993	NR 411.02(6) 400.02(53p)

SECTION 173. NR 484.11(1)(a) is amended to read:

Document No.	Title	Incorporated by Reference For
NR 484.11(1)(a) ISBN: 0-936712-72-4	1987-1988 Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices	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) <u>NR 445.04(3)(c)6.</u> 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) <u>NR 445.05(3)(c)7.</u>

SECTION 174. NR 484.11(1)(c) is repealed.

SECTION 175. NR 485.045(1)(a) is repealed.

SECTION 176. NR 488.02(2) Note is amended to read:

NR 488.02(2) Note: "Ozone-depleting refrigerant" is defined in the referenced statute as "a substance used in refrigeration that is or contains a class I substance, as defined in 42 USC 7671 (3) or a class II substance, as defined in 42 USC 7671 (4)." Examples of ozone-depleting refrigerants include, but are not limited to, chlorofluorocarbons such as R-11, R-12, R-113, R-114, R-115, R-500, and R-502 and hydrochlorofluorocarbons such as R-22.

Draft #8
9/13/94

ORDER OF THE STATE OF WISCONSIN
NATURAL RESOURCES BOARD
REPEALING, AMENDING AND CREATING RULES

IN THE MATTER of repealing NR 405.10(5) and 484.05(6) and (7), amending NR 400.02(39m), 404.05(2)(intro.) and (a), (3)(intro.) and (a) and (4)(intro.) and (a), 405.02(1)(b), (2)(a), (3)(intro.), (7), (21)(b)6, (24)(d) and (25m)(b) and (c), 405.07(8)(a)3, 405.08(1), 405.10(1) to (3), 405.14(4) and creating NR 484.04(9) and footnote 1 to 484.04 Table 2 of the Wisconsin Administrative Code, pertaining to Prevention of Significant Deterioration and associated particulate matter increments.

AM-27-94

Analysis Prepared by the Department of Natural Resources

Statutory authority: ss. 144.31(1)(a) and (f), 144.375(2) and 227.11(2)(a), Stats.

Statutes interpreted: ss. 144.31(1)(a) and (f) and 144.375(2), Stats. The state implementation plan developed under s. 144.31(1)(f), Stats., is revised.

On January 4, 1994, the USEPA published a notice of disapproval of the State's Prevention of Significant Deterioration (PSD) State Implementation Plan (SIP) submittal, citing several minor discrepancies under 40 CFR 51.166. These discrepancies are addressed in this rule revision. Section 144.375(2), Stats., requires that PSD ambient air increments as promulgated by the Department shall be consistent with the corresponding federal increments, with certain exceptions. The USEPA, on June 3, 1993, promulgated new PSD particulate matter increments which are subject to this statute.

The purpose of this rule is to address the deficiencies in Wisconsin's PSD SIP and to add the new federal PSD increments for particulate matter into Wisconsin's rules. The PM₁₀ basis for particulate matter measurement, new particulate matter increments and the revised annual concentration averaging procedure for Class I, II and III PSD areas are incorporated in s. NR 404.05. The changes in s. NR 404.05(3)(a) are also incorporated in s. NR 405.14(4), which pertains to the granting of Class I variances. Other changes to incorporate the federal PM₁₀ rules are in ss. NR 405.02(24)(d) and 405.07(8)(a)3. Deficiencies in the PSD SIP submittal delineated in the disapproval notice of January 4, 1994, are rectified in ss. NR 400.02(39m), 405.02(1)(b), (2)(a), (21)(b)6, 405.08, 405.10(1) and (2) and 484.04 and by the repeal of ss. NR 405.10(5) and the amendment of ss. NR 484.04 and 484.05 (as affected by Clearinghouse Rule 94-104).

SECTION 9. NR 484.04(9) and footnote 1 to 484.04 Table 2 as affected by Clearinghouse Rule 94-104 are created to read:

CFR Appendix Referenced	Title	Incorporated by Reference For
NR 484.04(9) 40 CFR part 51 Appendix W ¹	Guideline on Air Quality Models (Revised)	NR 405.10

¹Appendix W may also be purchased as EPA Publication No. 450/2-78-027R, Guideline on Air Quality Models (Revised), 1986, with supplement A (1987) and supplement B (1993), from the National Technical Information Service at the address in s. NR 484.05(intro.).

SECTION 10. NR 484.05(6) and (7) as affected by Clearinghouse Rule 94-104 are repealed.

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 484.04 Code of federal regulations appendices.
~~The appendices to federal regulations in effect on July 1, 1998 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 refer-~~

~~ence 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, secretary of state and revisor of statutes, Madison, Wisconsin and in some public libraries or may be purchased for personal use from:

Superintendent of Documents
 PO Box 371954
 Pittsburgh PA 15250-7954

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 K		NR 404.02 (8) NR 404.06 (2)
(4)	40 CFR part 50 Appendix H	Interpretation of the National Ambient Air Quality Standards for Ozone	NR 404.04 (5)
(5)	40 CFR part 50 Appendix J	Reference Method for the Determination of Particulate Matter as PM₁₀ in the Atmosphere	NR 404.02 (4m)
(7)	40 CFR part 51 Subpart S Appendix B	Test Procedures	NR 485.02 (18)
(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 465.09 (4) (b) 1. and 2. NR 466.09 (5)
(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.)
(12)	40 CFR part 58 Appendix B	Quality Assurance Requirements for Prevention of Significant Deterioration (PSD) Air Monitoring	NR 405.11 (3)
(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

Table 2 (Continued)
CFR Appendix References

CFR Appendix Referenced	Title	Incorporated by Reference For
(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)
(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 445.02 (9m) 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 466.09 (6)
(26) 40 CFR part 72 Appendix D	Calculation of Potential Electric Output Capacity	NR 409.02 (57)
(28) 40 CFR part 763 Subpart E Appendix E, Section 1	Polarized Light Microscopy	NR 447.02 (1) NR 447.02 (16) NR 447.02 (27) NR 447.02 (36) NR 447.09 (1)

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. (9), Register, September, 1995, No. 477, eff. 10-1-95; 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. (intro.), (13), (16), (21) and (24), Register, March, 1997, No. 495, eff. 4-1-97; am. (intro.), (11), (13), (16), (23) and (24), Register, November, 1999, No. 527, eff. 12-1-99; am. (9), rn. (24) to (27) to be (25) to (28), cr. (21m) and (24) and am. (24), Register, March, 2000, No. 531, eff. 4-1-00; am. (21) and (27), Register, January, 2001, No. 541, eff. 2-1-01; **CR 00-160: am. (9) and (24) of Table 2, Register August 2001 No. 548, eff. 9-1-01.**

Table 5
ASTM Standard References

	Standard Number	Standard Title	Incorporated by Reference For
(1)	ASTM C136-96a	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	NR 415.02 (9)
(2)	ASTM D97-96a	Standard Test Methods for Pour Point of Petroleum Products	NR 420.02 (41)
(3)	ASTM D129-95	Standard Test Method for Sulfur in Petroleum Products (General Bomb Method)	40 CFR part 60 Appendix A, Method 19 40 CFR part 75 Appendices A and D NR 439.08 (2) (b)
(4)	ASTM D240-92 (1997)	Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter	40 CFR part 60 Appendix A, Method 19 40 CFR part 75 Appendices A, D, E and F NR 400.02 (79) NR 439.08 (2) (c)
(5)	ASTM D287-92 (1995)	Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)	40 CFR part 75 Appendix D
(7)	ASTM D388-98	Standard Classification of Coals by Rank	40 CFR part 75 Appendix F NR 400.02 (40)
(8)	ASTM D396-98	Standard Specification for Fuel Oils	NR 400.02 (70) NR 400.02 (135) NR 420.03 (1) (a)
(10)	ASTM D737-96	Standard Test Method for Air Permeability of Textile Fabrics	NR 447.15 (1) (a) 1.
(13)	ASTM D975-98a	Standard Specification for Diesel Fuel Oils	NR 409.02 (34) NR 420.03 (1) (a)
(15)	ASTM D1072-90 (1994)	Standard Test Method for Total Sulfur in Fuel Gases	40 CFR part 75 Appendix D
(16)	ASTM D1193-91	Standard Specification for Reagent Water	40 CFR part 60 Appendix A: Method 5F, par. 3.1 Method 5H, par. 3.1.3 Method 6, par. 3.1.1 Method 7, par. 3.2.2 Method 7A, par. 3.2 Method 7C, par. 3.1.1 Method 7D, par. 3.1.1 Method 8, par. 3.1.3 Method 11, par. 6.1.3 Method 12, par. 4.1.3 Method 13A, par. 6.1.2 Method 14A, par. 7.1 Method 25D, par. 3.2.2.4 Method 26, par. 3.1.1 Method 26A, par. 3.1.1 Method 29, pars. 4.2.2, 4.4.2 and 4.5.6 40 CFR part 61 Appendix B, Method 101, par. 6.1.1

Table 5 (Continued)

ASTM Standard References

Standard Number	Standard Title	Incorporated by Reference For
(17) ASTM D1217-93	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 D1298-85 (1990)	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
(22) ASTM D1475-96	Standard Test Method for Density of Liquid Coatings, Inks, and Related Products	40 CFR part 60 Appendix A: Method 24, par. 2.1 Method 24A, par. 2.2 Method 24A, par. 2.3
(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 D1552-95	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 D1613-96 (1999)	Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products	NR 422.02 (67)
(26) ASTM D1826-94	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)
(27) ASTM D1945-96	Standard Test Method for Analysis of Natural Gas by Gas Chromatography	40 CFR part 75 Appendices F and G
(28) ASTM D1946-90 (1994)	Standard Practice for Analysis of Reformed Gas by Gas Chromatography	40 CFR part 75 Appendices F and G NR 460.10 (2) (f)
(29) ASTM D1989-96	Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isoperibol Calorimeters	NR 439.08 (1) (d)
(30) ASTM D2013-86 (1994)	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)
(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 NR 400.02 (79) NR 439.08 (1) (d)

Table 5 (Continued)
ASTM Standard References

	Standard Number	Standard Title	Incorporated by Reference For
(33)	ASTM D2234-98	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.
	<i>Note:</i> ASTM D2382 was discontinued in 1994, and replaced by ASTM D4809.		
(34)	ASTM D2369-98	Standard Test Method for Volatile Content of Coatings	40 CFR part 60 Appendix A, Method 24, par. 2.2
(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
(40)	ASTM D2880-98	Standard Specification for Gas Turbine Fuel Oils	NR 420.03 (1) (a)
(41)	ASTM D2986-95a	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. 3.1.1 Method 12, par. 4.1.1 Method 13A, par. 6.1.1.2 Method 17, par. 3.1.1
(41m)	ASTM D3172-89 (1997)	Standard Practice for Proximate Analysis of Coal and Coke	NR 439.098 (1) (b)
(42)	ASTM D3173-87 (1996)	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)
(43)	ASTM D3174-93	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 (1997)	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 D3177-89 (1997)	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)
(46)	ASTM D3178-89 (1997)	Standard Test Methods for Carbon and Hydrogen in the Analysis Sample of Coal and Coke	40 CFR part 75 Appendix G
(47)	ASTM D3238-95	Standard Test Method for Calculation of Carbon Distribution and Structural Group Analysis of Petroleum Oils by the n-d-M Method	40 CFR part 75 Appendix G
(48)	ASTM D3792-98	Standard Test Method for Water Content of Water-Reducible Paints by Direct Injection into a Gas Chromatograph	40 CFR part 60 Appendix A, Method 24, par. 2.3
(49)	ASTM D4017-96a	Standard Test Method for Water in Paints and Paint Materials by Karl Fischer Method	40 CFR part 60 Appendix A, Method 24, par. 2.4
(50)	ASTM D4052-96	Standard Test Method for Density and Relative Density of Liquids by Digital Density Meter	40 CFR part 75 Appendix D

Table 5 (Continued)
ASTM Standard References

Standard Number	Standard Title	Incorporated by Reference For
(51) ASTM D4057-95	Standard Practice for Manual Sampling of Petroleum and Petroleum Products	40 CFR part 75 Appendix D NR 439.08 (2) (a)
(52) ASTM D4177-95	Standard Practice for Automatic Sampling of Petroleum and Petroleum Products	40 CFR part 75 Appendix D NR 439.08 (2) (a)
(53) ASTM D4239-94	Standard Test Methods for Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods	40 CFR part 60 Appendix A, Method 19 40 CFR part 75 Appendix A NR 439.08 (1) (c)
(54) ASTM D4294-98	Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry	40 CFR part 75 Appendices A and D NR 439.08 (2) (b)
(55) ASTM D4809-95	Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter (Intermediate Precision Method)	40 CFR part 75 Appendices D, E and F NR 460.10 (2) (f)
(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

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), r. (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.

May not be current adm. code. For current adm. code see: <http://www.legis.state.wi.us/rsb/code>.

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 484.04 Code of federal regulations appendices.

Table 2 (Continued)
CFR Appendix References

	CFR Appendix Referenced	Title	Incorporated by Reference For
(21)	40 CFR part 60 Appendix B	Performance Specifications	NR 405 NR 408 NR 428 NR 439 NR 460 to 469

Table 2 (Continued)
CFR Appendix References

	CFR Appendix Referenced	Title	Incorporated by Reference For
(27m)	40 CFR part 82, Subpart A, Appendices A and B		NR 405 NR 408 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.)

SECTION 4. NR 484.03(5) in Table 1 is amended to read:

CFR Reference	Title	Incorporated by Reference For
NR 484.03 (5) 40 CFR part 53	Ambient Air Monitoring Reference and Equivalent Methods	NR 404.02(4e) and (4m) NR 404.06(3)(b)

SECTION 5. NR 484.04(6) in Table 2 is amended to read:

CFR Appendix Referenced	Title	Incorporated by Reference For
NR 484.04 (6) 40 CFR part 50 Appendix K	Interpretation of the National Ambient Air Quality Standards for Particulate Matter	NR 404.04(8)(b)3. (c)

SECTION 6. NR 484.04(6g) and (6r) in Table 2 are created to read:

CFR Appendix Referenced	Title	Incorporated by Reference For
NR 484.04 (6g) 40 CFR part 50 Appendix L	Reference Method for the Determination of Particulate Matter as PM _{2.5} in the Atmosphere	NR 404.02(4e)
(6r) 40 CFR part 50 Appendix N	Interpretation of the National Ambient Air Quality Standards for PM _{2.5}	NR 404.04(9)(c)

SECTION 6. NR 484.04(15m) and (16m) are created to read:

CFR Appendix Referenced	Title	Incorporated by Reference For
NR 484.04 (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.
(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.

SECTION 7. NR 484.04(21m) is amended to read:

CFR Appendix Referenced	Title	Incorporated by Reference For
NR 484.04 (21m) 40 CFR part 60 Appendix F	Quality Assurance Procedures	<u>NR 428.23(1)(b)2.c.</u> NR 466.10(2)

SECTION 8. NR 484.04(26m)(bm) is created to read:

CFR Appendix Referenced	Title	Incorporated by Reference For
NR 484.04 (26m)(bm) 40 CFR part 75 Appendix E	Optional NO _x Emissions Estimation Protocol for Gas-Fired Peaking Units and Oil-Fired Peaking Units	NR 428.23(1)(b)2.e.

SECTION 9. NR 484.04(26m)(d) and (27) are amended to read:

CFR Appendix Referenced	Title	Incorporated by Reference For
NR 484.04 (26m)(d) 40 CFR part 75 Appendix F	Conversion Procedures	<u>NR 428.23(1)(b)5.c. and 6.b. and c.</u> NR 446.04(3) NR 446.09(1)(a)
(27) 40 CFR part 75 Appendices A to I		NR 428 NR 439 <u>NR 428.23(1)(b)1.</u>

SECTION 10. EFFECTIVE DATE. This rule shall take effect on the first day of the month following publication in the Wisconsin administrative register as provided in s. 227.22 (2) (intro.), Stats.

Chapter NR 484

INCORPORATION BY REFERENCE

<p>NR 484.01 Applicability; purpose</p> <p>NR 484.02 Definitions</p> <p>NR 484.03 Code of federal regulations</p> <p>NR 484.04 Code of federal regulations appendices</p>	<p>NR 484.05 National technical information service</p> <p>NR 484.06 Other government organizations</p> <p>NR 484.10 American Society for Testing and Materials</p> <p>NR 484.11 Other private organizations</p>
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NR 484.04 Code of federal regulations appendices. The appendices to federal regulations in effect on February 1, 2012, 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 ref-

erence 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:

Superintendent of Documents
PO Box 371954
Pittsburgh PA 15250-7954

Table 2
CFR Appendix References

CFR Appendix Referenced	Title	Incorporated by Reference For
(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
(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)
(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)
(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.
(25) 40 CFR part 63	Test Methods	NR 400.02 (131) NR 419.045 (5) (f) 4. NR 439 NR 460 to 469
(27s) 40 CFR part 136, Appendix A	Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater	NR 419.045 (5) (f) 3.

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 (9), Register, September, 1995, No 477, eff 10-1-95; 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 (intro), (13), (16), (21) and (24), Register, March, 1997, No 495, eff 4-1-97; am (intro), (11), (13), (16), (23) and (24), Register, November, 1999, No 527, eff 12-1-99; am (9), m (24) to (27) to be (25) to (28), cr (21m) and (24) and am (24), Register, March, 2000, No 531, eff 4-1-00; am (21) and (27), Register, January, 2001, No 541, eff 2-1-01; CR 00-160: am (9) and (24) of Table 2, Register August 2001 No 548, eff 9-1-01; CR 00-175: am (intro) and Table 2 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 02-097: am (23), Register June 2004 No 582, eff 7-1-04; CR 01-081: cr (20m) and (26m) 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 February 2006 No 602, eff 3-1-06; CR 05-116: am (15), (18) and (20m), cr (24m) Register November 2006 No 611, eff 12-1-06; CR 03-118: am (21), cr (27m), Register June 2007 No 618, eff 7-1-07; CR 07-016: am (13), (21m), (26m) (d) and (27), cr (15m), (16m) and (26m) (bm) Register July 2007 No 619, eff 8-1-07; CR 07-045: am (9), (21m) and (24) Register April 2008 No 628, eff 5-1-08; CR 07-017: cr (11m) Register June 2008 No 630, eff 7-1-08; CR 07-036: am (20m), (26m) (a) to (d) and (27), cr (20s) and (20t) Register November 2008 No 635, eff 12-1-08; CR 07-105: am (16) Register December 2008 No 636, eff 1-1-09; CR 08-102: am (16), (19) and (20) Register July 2009 No 643, eff 8-1-09; CR 08-104: am (16), (19) and (20) Register July 2009 No 643, eff 8-1-09; corrections in (16), (19) and (20) made under s 13.92 (4) (b) 7, Stats., Register July 2009 No 643; CR 07-082: am (6), cr (6g) and (6r) Register September 2009 No 645, eff 10-1-09; CR 09-088: am (3), cr (6t) and (6v) Register May 2010 No 653, eff 6-1-10; CR 10-049: r (7) Register November 2010 No 659, 12-1-10; CR 10-050: am (5), (6g) Register November 2010 No 659, eff 12-1-10; CR 07-082: r (3) Register November 2011 No 671, eff 12-1-11; **CR 11-005: am. (intro.), (13), (17), (19), (20) in Table 2, cr. (20e), (27s) in Table 2 Register January 2012 No. 673, eff. 2-1-12.**

NR 484.05 National technical information service.**Table 3**
NTIS Document References

Document Reference	Document Title	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 407.05 (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 422.15 (1) (intro.) NR 437.07 (2) (a) 4. NR 438.02 (1) NR 445.11 (1) (intro.) NR 465.02 (51)

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, April, 1995, No 472](#), eff 5-1-95; am (3), [Register, June, 1995, No 474](#), eff 7-1-95; am (1), [Register, August, 1995, No 476](#), eff 9-1-95; am (8), [Register, September, 1995, No 477](#), eff 10-1-95; am (3), [Register, December, 1995, No 480](#), eff 1-1-96; am (1), (8), [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 October 2002 No 562](#), eff 11-1-02; CR 02-097: am (1), [Register June 2004 No 582](#), eff 7-1-04; CR 01-081: am (9) [Register September 2004 No 585](#), eff 10-1-04; CR 04-107: am (1) [Register August 2005 No 596](#), eff 9-1-05; CR 07-104: cr (17) [Register July 2008 No 631](#), eff 8-1-08; CR 07-036: am (9) [Register November 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.

NR 484.06

(4)

Note: The wastewater treatment model listed in par (f), along with supporting documentation, may be downloaded for personal use from <http://www.epa.gov/ttnchie1/software/water/index.html> EPA contact information is also listed at this internet site

Table 4D (Continued)
U.S. Environmental Protection Agency Document References

Document Number	Title	Incorporated by Reference For
(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 Pollutants for Integrated Iron and Steel Plants—Background 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 Manufacturing Industry	NR 421.07 (1) (a) 1.

History: Cr [Register, February, 1995, No 470](#), eff 3-1-95; am (1), [Register, December, 1996, No 492](#), eff 1-1-97; am (2), cr (4), [Register, November, 1999, No 527](#), eff 12-1-99; CR 00-160: am (intro), cr (5), [Register August 2001 No 548](#), eff 9-1-01; CR 02-012: am (intro), (4) and (a) and (b) of Table 4, cr (6) and Table 4F, (7) and Table 4G [Register October 2002 No 562](#), eff 11-1-02; CR 05-116: cr (4) (c) to (e) of Table 4D [Register November 2006 No 611](#), eff 12-1-06; CR 06-110: am (4) (c) and (e), [Register July 2007 No 619](#), eff 8-1-07; CR 11-005: am. (4) (e) in Table 4d, cr. (4) (f), (g) in Table 4D [Register January 2012 No. 673](#), eff. 2-1-12.

NR 484.10 American Society for Testing and Materials.

**Table 5
ASTM Standard References**

Standard Number	Standard Title	Incorporated by Reference For
(6) ASTM D323-08	Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method)	NR 419.045 (5) (d) NR 420.02(31)
(9) ASTM D523-89 (1999)	Standard Test Method for Specular Gloss	ANSI A135.5-2004 NR 422.02 (49m)
(12) ASTM D968-93 (2001)	Standard Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive	ANSI A135.5-2004
(14) ASTM D1037-99	Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials	ANSI A135.4-2004 ANSI A135.5-2004
(21) ASTM D1308-02	Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes	ANSI A135.5-2004
(32) ASTM D2197-98 (2002)	Standard Test Method for Adhesion of Organic Coatings by Scrape Adhesion	ANSI A135.5-2004
(36) ASTM D2486-00	Standard Test Method for Scrub Resistance of Wall Paints	ANSI A135.5-2004
(39) 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)
(55b) ASTM D4953-06	Standard Test Method for Vapor Pressure of Gasoline and Gasoline-Oxygenate Blends (Dry Method)	NR 419.045 (5) (d)
(55bg) ASTM D5190-07	Standard Test Method for Vapor Pressure of Petroleum Products (Automatic Method)	NR 419.045 (5) (d)
(55br) ASTM D5191-10b	Standard Test Method for Vapor Pressure of Petroleum Products (Mini Method)	NR 419.045 (5) (d)
(56) ASTM E84-03	Standard Test Method for Surface Burning Characteristics of Building Materials	ANSI A135.5-2004

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), r (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 (55g) [Register October 2003 No 574](#), eff 11-1-03; CR 03-037: am Table 5 (22), and cr (39e) and (55m) [Register March 2004 No 579](#), eff 4-1-04; CR 01-081: am (47m) [Register September 2004 No 585](#), eff 10-1-04; CR 05-040: am (intro), (22), (39e) and (55m), cr (55c), (55i), (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), (56d), (56h), (56p) and (56t) [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), (32), (36), (56) and (57) [Register July 2009 No 643](#), eff 8-1-09; 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), (55bg), (55br) in Table 5 [Register January 2012 No. 673](#), eff. 2-1-12.

NR 484.11 Other private organizations.

Table 6C
AGA Laboratories Document Reference

Document Number	Title	Incorporated by Reference For
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(4) The following are documents from the American National Standards Institute.

Note: Copies may be purchased for personal 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@iht.com
Website: <http://global.iht.com>

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)

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)

Table 6K
WRI/WBCSD Document Reference

Document Number	Title	Incorporated by Reference For
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(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/>

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 6I 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 05-040: am (intro) and (1) Table 6A Register February 2006 No 602, eff 3-1-06; CR 05-116: am (6) (b) Register November 2006 No 611, eff 12-1-06; CR 07-045: am (6) (b) Register April 2008 No 628, eff 5-1-08; CR 04-023: 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.