

Chapter ATCP 50

APPENDIX G

TECHNICAL STANDARDS INCORPORATED BY REFERENCE

Chapter ATCP 50, Wis. Adm. Code, incorporates the following technical standards by reference. **Primary standards** are specifically identified in ATCP 50. **Secondary standards** are incorporated by reference in one or more primary standards. The following list identifies each primary and secondary standard and its date of publication. Copies of each standard are on file with the department, the secretary of state and the revisor of statutes. The county land conservation committee normally has inspection copies on file. The following list explains how to obtain copies from the publisher. Future updates to technical standards are *not* automatically incorporated into ATCP 50. The department may incorporate future updates in future rule amendments.

Primary Standards

1. **United States Department of Agriculture, Natural Resources Conservation Service, Wisconsin, Section IV, Technical Guide** (“NRCS technical guide”) standards. A person may obtain copies of the following standards from the NRCS Wisconsin State Office, 6515 Watts Road, Suite 200, Madison WI 53719-2726. Phone: 608-276-8732. Website: www.wi.nrcs.gov.

- Access Road Standard 560 (March 1989).
- Animal Trails and Walkways Standard 575 (April 2002).
- Closure of Waste Impoundments Standard 360 (June 2001).
- Contour Farming Standard 330 (May 2002).
- Cover and Green Manure Crop Standard 340 (May 1986).
- Critical Area Planting Standard 342 (May 2000).
- Diversion Standard 362 (May 2002).
- Fence Standard 382 (November 1999).
- Field Border Standard 386 (May 2002).
- Field Windbreaks Standard 392 (May 1990).
- Filter Strip Standard 393 (January 2001).
- Grade Stabilization Structure Standard 410 (July 2001).
- Grassed Waterway Standard 412 (April 2002).
- Heavy Use Area Protection Standard 561 (March 2002).
- Lined Waterway or Outlet Standard 468 (May 2002).
- Livestock Exclusion Standard 472 (June 1983).
- Manure Transfer Standard 634 (January 2002).
- Mulching Standard 484 (July 1987).
- Nutrient Management Standard 590 (March 1999).
- Obstruction Removal Standard 500 (May 2002).
- Open Channel Standard 582 (May, 2002)
- Pasture and Hayland Planting Standard 512 (March 1992).
- Pest Management Standard 595 (January 1991).
- Pipeline Standard 516 (April 2002).
- Pond Standard 378 (July 2001).
- Pond Sealing or Lining, Flexible Membrane Lining Standard 521A (April 1999).
- Pond Sealing or Lining, Bentonite Treatment Standard 521C (April 2002).
- Prescribed Grazing Standard 528A (April 1998).
- Residue Management, No Till and Strip Till Standard 329A (May 1998).
- Residue Management, Mulch Till Standard 329B (May 1998).
- Residue Management, Seasonal Standard 344 (May 1998).
- Revised Universal Soil Loss Equation, Version 2 (“RUSLE 2”), first edition (December 31, 2001).
- Riparian Forest Buffer Standard 391 (January 2001).
- Roof Runoff Structure Standard 558 (June 2002).
- Sediment Basin Standard 350 (September 1990).

- Shoreland Habitat Standard 643A, interim edition (July 2001).
- Sinkhole Treatment Standard 725 (March 2000).
- Spring Development Standard 574 (May 1987).
- Stream Channel Stabilization Standard 584 (May 2002).
- Streambank and Shoreline Protection Standard 580 (February 1997).
- Stripcropping, Contour Standard 585 (July 1987).
- Stripcropping, Field Standard 586 (August 1983).
- Stripcropping, Wind Standard 589 (July 1987).
- Structure for Water Control Standard 587 (June 1984).
- Subsurface Drain Standard 606 (September 1989).
- Surface Drainage Field Ditch Standard 607 (September 1989).
- Surface Drainage Main or Lateral Standard 608 (September 1989).
- Terrace Standard 600 (September 1990).
- Tree/Shrub Establishment Standard 612 (March 2001).
- Underground Outlet Standard 620 (May 2002).
- Waste Storage Facility Standard 313 (June 2001).
- Wastewater Treatment Strip Standard 635 (January 2002).
- Water & Sediment Control Basin Standard 638 (July 2001).
- Watering Facility Standard 614 (April 2002).
- Well Standard 642 (April 1999).
- Well Decommissioning Standard 351 (April 1999).
- Wetland Restoration Standard 657 (September 2000).
- Wildlife Upland Habitat Management Standard 645 (July 2000).

2. **University of Wisconsin-Extension Publications.** A person may obtain copies of the following standards from Cooperative Extension Publications, 45 North Charter Street, Madison WI 53715. Phone: 877-WIS-PUBS (947-7827). E-mail: reitzman@admin.uwex.edu

- Soil Test Recommendations for Field, Vegetable and Fruit Crops, UWEX publication A2809 (1998).
- Pollution Control Guide for Milking Center Waste Water Management, UWEX Pub. No. A3592 (1994).
- Pastures for Profit: A Guide to Rotational Grazing, UWEX Pub. No. A3529 (August, 1994).

3. **Wisconsin Department of Natural Resources Standards.** A person may obtain these standards from the Wisconsin Department of Administration, Document Sales Unit, 202 S Thornton Ave, PO Box 7840, Madison WI 53707-7840. Phone: 608-266-3358. E-mail: docsales@doa.state.wi.us.

- DNR Wet Detention Basin Conservation Standard 1001 (June 1999).
- “Wisconsin Construction Site Best Management Practice Handbook”, DNR Publication No. WR-222 93 (April 1994).

4. **American Society of Agricultural Engineers (ASAE), Engineering Practice Number 288.5 (Roofs),** January 2001 edition. A person may obtain this standard from the American Society of Agricultural Engineers, 2950 Niles Road, St Joseph MI 49085. Phone: 616-429-0300. Website: www.asae.org.

5. **MidWest Plan Service Publication MWPS-37, Designing Facilities for Pesticide and Fertilizer Containment,** Revised First Edition, 1995. A person may obtain this technical reference from the MWPS Secretary, Biological Systems Engineering Dept., University of Wisconsin-Madison, 460 Henry Mall, Madison WI 53706. Phone: 608-262-3311. E-mail: hkirsch@facstaff.wisc.edu

Secondary Standards

1. **United States Department of Agriculture, Natural Resources Conservation Service – Wisconsin, Section IV, Technical Guide (“NRCS technical guide”).** A person may obtain copies of the following standards from the NRCS Wisconsin State Office, 6515 Watts Road, Suite 200, Madison WI 53719-2726. Phone: 608-276-8732. Website: www.wi.nrcs.gov.

- Conservation Crop Rotation Standard 328 (May 2002).
- Fish Stream Improvement Standard 395 (June 1987).
- Hedgerow Planting Standard 422 (October 1991).
- Prescribed Burning Standard 338 (July 1989).
- Pumping Plant for Water Control Standard 533 (May 2002).
- Recreation Area Improvement Standard 562, dated October 1991.
- Wildlife Watering Facility Standard 648, dated October 1991.
- Wisconsin Construction Specification 1, “Clearing” (March 2002).
- Wisconsin Construction Specification 2, “Excavation” (June 2001).
- Wisconsin Construction Specification 3, “Earthfill” (April 1998).
- Wisconsin Construction Specification 4, “Concrete” (February 2000).
- Wisconsin Construction Specification 6, “Corrugated Metal Pipe Conduits” (March 2002).
- Wisconsin Construction Specification 8, “Drainfill” (March 2002).
- Wisconsin Construction Specification 9, “Rock Riprap” (March 2001).
- Wisconsin Construction Specification 10, “Fencing” (February 1974).
- Wisconsin Construction Specification 12, “Cathodic Protection” (March 2002).
- Wisconsin Construction Specification 13, “Geotextiles” (April 2002).
- Wisconsin Construction Specification 14, “Timber Fabrication and Installation” (March-2002).
- Wisconsin Construction Specification 15, “Plastic Pipe Conduits” (March 2002).
- Wisconsin Construction Specification 19, “Well Abandonment/Decommissioning” (March 2002).
- Wisconsin Construction Specification 202 “Polyethylene Geomembrane Lining” (June 2001).
- Wisconsin Construction Specification 203 “Geosynthetic Clay Liner” (February 2000).
- Wisconsin Construction Specification 204 “Earthfill for Waste Storage Facilities” (November 1998).
- Wisconsin Construction Specification 205 “Flexible Membrane Lining” (April 1999).

2. **United States Department of Agriculture, Natural Resources Conservation Service, Agricultural Waste Management Field Handbook, Part 651.** A person may obtain copies of the following standards from the NRCS Wisconsin State Office, 6515 Watts Road, Suite 200, Madison WI 53719-2726. Phone: 608-276-8732. Website: www.wi.nrcs.gov.

- Chapter 9, “Agricultural Waste Management Systems” (April 1992).
- Chapter 10, “Agricultural Waste Management System Component Design” (July 1996).
- Chapter 12, “Waste Management Equipment” (October 1997).

3. **United States Department of Agriculture, Natural Resources Conservation Service – Wisconsin, Wisconsin Technical Notes.** A person may obtain copies of the following stan-

dards from the NRCS Wisconsin State Office, 6515 Watts Road, Suite 200, Madison WI 53719-2726. Phone: 608-276-8732. Website: www.wi.nrcs.gov.

- Wisconsin Agronomy Technical note WI-1, “Guidelines for Herbaceous Stand Evaluation” (May 1991).
- Wisconsin Agronomy Technical Note WI-5, “Prairie Restoration Seeding” (September 1999).
- Wisconsin Agronomy Technical Note WI-5, “Prairie Restoration Seeding” (September 1999).
- Wisconsin Biology Technical Note 1, “Shoreland Habitat” (September 2001).
- Wisconsin Conservation Planning Technical Note WI-1, “Nutrient Management” (October 1993).

4. **United States Department of Agriculture, Natural Resources Conservation Service – Technical Releases.** A person may obtain copies of the following standards from the NRCS Wisconsin State Office, 6515 Watts Road, Suite 200, Madison WI 53719-2726. Phone: 608-276-8732. Website: www.wi.nrcs.gov.

- Technical Release TR-25, “Design of Open Channels” (1977).
- Technical Release TR-55, “Urban Hydrology for Small Watersheds” (June, 1986).
- Technical Release TR-60, “Earth Dams and Reservoirs” (October, 1985).

5. **United States Department of Agriculture, Natural Resources Conservation Service National Engineering Field Handbook, Part 650.** A person may obtain copies of the following standards from the NRCS Wisconsin State Office, 6515 Watts Road, Suite 200, Madison WI 53719-2726. Phone: 608-276-8732. Website: www.wi.nrcs.gov.

- Chapter 3, “Hydraulics” (undated, version in effect on September 1, 2002).
- Chapter 4, “Elementary Soil Engineering” (1990).
- Chapter 6 “Structures” (undated, version in effect on September 1, 2002).
- Chapter 7, “Grassed Waterways” (1986).
- Chapter 11, “Ponds and Reservoirs” (April 1980).
- Chapter 14, “Drainage” (April 2001).
- Chapter 16, “Streambank and Shoreland Protection” (December 1996).

- Chapter 18, “Soil Bioengineering for Upland Slope Protection and Erosion Reduction” (October 1992).

6. **United States Department of Agriculture, Natural Resources Conservation Service – Wisconsin, “Drainage Guide for Wisconsin” (1977).** A person may obtain this standard from the NRCS Wisconsin State Office, 6515 Watts Road, Suite 200, Madison WI 53719-2726. Phone: 608-276-8732. Website: www.wi.nrcs.gov.

7. **University of Wisconsin–Extension Publications.** A person may obtain copies of the following standards from Cooperative Extension Publications, 45 North Charter Street, Madison WI 53715. Phone: 877-WIS-PUBS (947-7827). E-mail: reitzman@admin.uwex.edu

- “Forage Variety Update for Wisconsin, 2001 Trial Results,” UWEX Publication A1525 (2001).
- “Estimating Residue Using the Line Transect Method,” UWEX Publication A3533 (April, 1991).
- Training Manual for the Private Pesticide Applicator, 4th Edition, Chapter 25 – “Calibration” (January 1998).

8. **Wisconsin Department of Natural Resources Publications.** A person may obtain the following standards from the Wisconsin Department of Administration, Document Sales Unit, 202 S Thornton Ave, PO Box 7840, Madison WI 53707-7840. Phone: 608-266-3358. E-mail: docsales@doa.state.wi.us.

- BARNY 2.6, "The Wisconsin Barnyard Runoff Model" (October, 1996).

- "Wisconsin's Forestry Best Management Practices for Water Quality" (August, 1997).

9. *Wisconsin Department of Transportation, Facilities Development Manual, Chapter 10, "Erosion Control and Storm Water Quality" (1997)*. A person may obtain this standard from the Wisconsin Dept. of Transportation, 4802 Sheboygan Avenue, Madison, WI 53707 Phone: 608-266-0724 E-mail: library@dot.state.wi.us

10. *American Concrete Institute Publications*. A person may obtain copies of the following standards from the American Concrete Institute, PO Box 9094, Farmington Hills MI 48333-9094. Phone: 248-848-3800. Website: www.aci-int.org.

- "Building Code Requirements for Structural Concrete," ACI 318-02 (January 2002).

- "Design of Slabs on Grade," ACI 360R-92 (Reapproved 1997).

11. *American Forest & Paper Association, American Wood Council, "National Design Specifications for Wood Construction" with Supplement (August, 1997)*. A person may obtain this standard from the American Forest & Paper Association, 1111 19th St NW, Suite 800, Washington DC 20036. Phone: 800-890-7732. E-mail: AWCINFO@afandpa.org.

12. *American Society of Agricultural Engineers, Engineering Practices*. A person may obtain copies of the following standards from the American Society of Agricultural Engineers, 2950 Niles Road, St Joseph MI 49085. Phone: 616-429-0300. Website: www.asae.org.

- Engineering Practice Number 378.3, "Floor and Suspended Loads on Agricultural Structures Due to Use" (December 1998).

- Engineering Practice Number 393.3, "Manure Storages" (December 1998).

- Engineering Practice Number 470, "Manure Storage Safety" (December 1997).

13. *American Institute of Steel Construction, Inc. "Manual of Steel Construction, Load and Resistance Factor Design," 3rd edition (November 2001), with Shapes Database compact disc Version 3.0*. A person may obtain this standard from the American Institute of Steel Construction, One East Wacker Drive, Suite 3100, Chicago IL 60601-2001. Phone: 800-644-2400. Website: www.aisc.org.

14. *United States Department of Labor, Occupational Safety and Health Administration, "Excavations," OSHA Publication 2226 (Reprinted 2000)*. A person may obtain this publication from the United States Department of Labor, Occupational Safety & Health Administration, 200 Constitution Avenue, Washington DC 20210. Phone: 800-321-OSHA (6742). Website: www.osha.gov.