

## Chapter ATCP 50

### 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. It also includes information for obtaining a copy of the standards from the custodian of the standard or publication. Custodians include Wisconsin Department of Natural Resources (WDNR) United States Department of Agriculture, Natural Resources Conservation Service (NRCS), University of Wisconsin-Extension (UWEX). Copies of each standard are on file with the department and the legislative reference bureau. The county land conservation committee also may have copies in their files.

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. **NRCS, Wisconsin, Section IV, Technical Guide (“NRCS technical guide”) standards.** A person may obtain copies of the following standards from the NRCS Wisconsin State Office, 8030 Excelsior Drive, Suite 200, Madison, WI 53717-2906. Phone: 608-662-4422. Website: <http://www.wi.nrcs.usda.gov/>. Copies may also be obtained from a county land conservation department, an NRCS field office, and the national NRCS website at: <http://www.nrcs.usda.gov/>. This chapter incorporates, by reference, various NRCS technical guide standards and supporting technical documentation.

- Access Control Standard 472 (October, 2008).
- Access Road Standard 560 (September, 2010).
- Animal Trails and Walkways Standard 575 (November, 2012).
- Constructed Wetland Standard 656 (September, 2012).
- Contour Farming Standard 330 (November, 2008).
- Cover Crop Standard 340 (February, 2012).
- Critical Area Planting Standard 342 (January, 2013).
- Diversion Standard 362 (December, 2010).
- Fence Standard 382 (September, 2010).
- Field Border Standard 386 (November, 2009).
- Filter Strip Standard 393 (January, 2001).
- Forage and Biomass Planting Standard 512 (January, 2013).
- Grade Stabilization Structure Standard 410 (January, 2010).
- Grassed Waterway Standard 412 (January, 2011).
- Heavy Use Area Protection Standard 561 (January, 2011).
- Integrated Pest Management Standard 595 (January, 2013).
- Karst Sinkhole Treatment Standard 527 (December, 2010).
- Lined Waterway or Outlet Standard 468 (March, 2013).
- Livestock Pipeline Standard 516 (October, 2012).
- Mulching Standard 484 (March, 2013).

- Nutrient Management Standard 590 (September, 2005).
- Obstruction Removal Standard 500 (December, 2010).
- Pond Standard 378 (July, 2011).
- Pond Sealing or Lining - Flexible Membrane Lining Standard 521A (September, 2012).
- Pond Sealing or Lining-Bentonite Standard 521C (January, 2011).
- Pond Sealing or Lining – Compacted Clay Treatment Standard 521D (September, 2012).
- Prescribed Grazing (Managed Grazing-Wisconsin) Standard 528 (December, 2008).
- Pumping Plant Standard 533 (July, 2011).
- Residue and Tillage Management-No Till/Strip Till/Direct Seed Standard 329 (January, 2012).
- Residue and Tillage Management-Mulch Till Standard 345 (January, 2012).
- Residue and Tillage Management – Ridge Till Standard 346 (January, 2012).
- Residue Management- Seasonal Standard 344 (January, 2012).
- Riparian Forest Buffer Standard 391 (January, 2013).
- Roof Runoff Structure Standard 558 (September, 2010).
- Roofs and Covers Standard 367(October, 2011).
- Sediment Basin Standard 350 (December, 2010).
- Shoreland Habitat Standard 643A (July, 2001).
- Spoil Spreading Standard 572 (December, 2010).
- Spring Development Standard 574 (June, 2008).
- Stream Crossing Standard 578 (March, 2013).
- Streambank and Shoreline Protection Standard 580 (November, 2009).
- Stripcropping Standard 585 (April, 2009).
- Structure for Water Control Standard 587 (January, 2011).
- Subsurface Drain Standard 606 (October, 2012).
- Terrace Standard 600 (December, 2010).
- Trails and Walkways Standard 568 (December, 2010).
- Tree/Shrub Establishment Standard 612 (July, 2011).
- Underground Outlet Standard 620 (January, 2011).
- Upland Wildlife Habitat Management Standard 645 (January, 2013).
- Vegetated Treatment Area Standard 635 (September, 2012).
- Waste Facility Closure Standard 360 (March, 2013).
- Waste Storage Facility Standard 313 (June, 2013).
- Waste Transfer Standard 634 (September, 2012).
- Waste Treatment Standard 629 (March, 2013).
- Water & Sediment Control Basin Standard 638 (January, 2011).
- Water Well Standard 642 (April, 2011).
- Water Well Decommissioning Standard 351 (June, 2011).
- Watering Facility Standard 614 (May, 2011).
- Wetland Restoration Standard 657 (September, 2000).
- Windbreak/Shelterbelt Establishment Standard 380 (November, 2011).
- Windbreak/Shelterbelt Renovation Standard 650 (January, 2013).

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2. **UWEX Publications.** A person may obtain electronic copies of the following standards by downloading them from: <http://learningstore.uwex.edu>
    - Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin, UWEX Pub. No. A2809 (2006). (available at, <http://datcp.wi.gov/uploads/Farms/pdf/A2809-2006.pdf>)
    - Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin, UWEX Pub. No. A2809 (2012).
    - Pastures for profit: A guide to rotational grazing, UWEX Pub. No. A3529 (2002).
    - Recommended Methods of Manure Analysis, UWEX Pub. No. A3769 (2003).
  3. **WNRD 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. <mailto:docsales@doa.state.wi.us>
    - Wet Detention Basin Standard 1001 (October, 2007).
    - “Stormwater Construction and Post-Construction Technical Standards”. Must go to DNR Website for Construction Site Best Management Practices: <http://dnr.wi.gov/topic/stormwater/standards/index.html>
  4. **NRCS-Wisconsin.**
    - Wisconsin Conservation Planning Technical Note WI-1, “Nutrient Management”. (November, 2008). A person may obtain copies of this standard from the NRCS Wisconsin State Office, 8030 Excelsior Drive, Suite 200, Madison, WI 53717-2906. Phone: 608-662-4422. Website: <http://www.wi.nrcs.usda.gov/>.
    - Revised Universal Soil Loss Equation, Version 2 (“RUSLE 2”) (November, 2006). This software contains 9 previous versions as well as the 2006 version and may be downloaded free of charge from: [http://fargo.nserl.purdue.edu/rusle2\\_dataweb/RUSLE2\\_Index.htm](http://fargo.nserl.purdue.edu/rusle2_dataweb/RUSLE2_Index.htm).
    - Milking Center Wastewater Guidelines. A Companion Document to Wisconsin NRCS Standard 629 (June, 2009). Copies available online at: [http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/nrcs142p2\\_020247.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_020247.pdf)  
For a printed copy contact the Wisconsin state NRCS office at (608)662-4422.
    - Wind Erosion Prediction System, Version 1.2.28 (2013). This software contains previous versions as well as the 2013 version and may be downloaded free of charge from: <http://www.weru.ksu.edu/>.
  5. **University of Wisconsin-Madison, Biological Systems Engineering Department.** Wisconsin Minimum Design and Construction Standards for Concrete Mixing and Loading Pads and Secondary Containment Structures (February, 2005). A person may obtain this standard from the Biological Systems Engineering Dept., University of Wisconsin-Madison, 460 Henry Mall, Madison WI 53706. Phone: 608-262-3311. E-mail: [hkirsch@facstaff.wisc.edu](mailto:hkirsch@facstaff.wisc.edu)
  6. **University of Wisconsin-Madison, Soil Science Department.** Wisconsin Procedures for Soil Testing, Plant Analysis and Feed & Forage Analysis (January, 2013). A person may obtain this standard from the Soil Science Department, University of Wisconsin-Madison, Madison, WI 53706, or from this department’s website: [http://datcp.wi.gov/Farms/Nutrient\\_Management/Planning/index.aspx](http://datcp.wi.gov/Farms/Nutrient_Management/Planning/index.aspx).
- #### Secondary Standards
1. **NRCS – Wisconsin,** Section IV, Technical Guide (“NRCS technical guide”). A person may obtain copies of the following standards from the NRCS Wisconsin State Office, 8030 Excelsior Drive, Suite 200, Madison, WI 53717-2906. Phone: 608-662-4422. Website: <http://www.wi.nrcs.usda.gov/>.
    - Alley Cropping Standard 311 (January, 2012).
    - Aquatic Organism Passage Standard 396 (June, 2011).
    - Brush Management Standard 314 (November, 2009).
    - Channel Bed Stabilization Standard (January, 2011).
    - Conservation Cover Standard 327 (January, 2013).
    - Conservation Crop Rotation Standard 328 (May, 2002).
    - Contour Buffer Strip Standard 332 (April, 2009).
    - Drainage Water Management Standard 554 (June, 2011).
    - Early Successional Habitat Development/Management Standard 647 (August, 2001).
    - Fish Pond Management Standard 399 (March, 2000).
    - Forest Site Management Standard 490 (December, 2012).
    - Forest Stand Improvement Standard 666 (January, 2013).
    - Hedgerow Planting Standard 422 (June, 2002).
    - Irrigation Pipeline Standard 430 (July, 2011).
    - Open Channel Standard 582 (April, 2009).
    - Prescribed Burning Standard 338 (March, 2008).
    - Restoration and Management of Declining Habitats Standard 643 (February, 2004).
    - Shallow Water Management for Wildlife Standard 646 (June, 2002).
    - Solid/Liquid Waste Separation Facility Standard 632 (June, 2005).
    - Stream Habitat Improvement and Management Standard 395 (May, 2006).
    - Wetland Wildlife Habitat Management Standard 644 (January, 2013).
    - Wisconsin Construction Specification 2, “Excavation” (May, 2012).
    - Wisconsin Construction Specification 3, “Earthfill” (May, 2012).
    - Wisconsin Construction Specification 4, “Concrete” (May, 2013).
    - Wisconsin Construction Specification 6, “Corrugated Metal Pipe Conduits” (January, 2012).
    - Wisconsin Construction Specification 9, “Rock Riprap” (November, 2011).

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- Wisconsin Construction Specification 10, “Fences” (November, 2009).
  - Wisconsin Construction Specification 13, “Geotextiles” (May, 2010).
  - Wisconsin Construction Specification 15, “Plastic Pipe Conduits” (April, 2009).
  - Wisconsin Construction Specification 19, “Drilled Well Abandonment/Decommissioning” (May, 2012).
  - Wisconsin Construction Specification 44, “Corrugated Polyethylene Tubing” (May, 2012).
  - Wisconsin Construction Specification 202 “Polyethylene Geomembrane Lining” (September, 2012).
  - Wisconsin Construction Specification 203 “Geosynthetic Clay Liner” (July, 2011).
  - Wisconsin Construction Specification 204 “Earthfill for Waste Storage Facilities” (October 2012).
  - Wisconsin Construction Specification 205 “Ethyl Propylene Diene Monomer (EPDM) Geomembrane Lining” (September, 2012).
  - Wisconsin Construction Specification 300 “Clay Liner” (November, 2012).
2. **NRCS– Wisconsin.** A person may obtain copies of the following standards from the NRCS Wisconsin State Office, 8030 Excelsior Drive, Suite 200, Madison, WI 53717-2906. Phone: 608-276-8732. Website: <http://www.wi.nrcs.usda.gov/>.
- Part 623 – Irrigation National Engineering Handbook:**
- Chapter 2, “Irrigation Water Requirements” (September, 1993).
- Part 630 – Hydrology (September, 1997).**
- Part 631 – Geology:**
- Chapter 33, “Investigations for Ground Water Resources Development” (November, 1998).
- Part 633 – Soil Engineering:**
- Chapter 26, “Gradation Design of Sand and Gravel Filters” (October, 1994).
- Part 634 – Hydraulic Engineering:**
- Section 11, “Drop Spillways” (May, 2008).
  - Section 14, “Chute Spillways” (May, 2008).
- Part 636 – Structural Engineering:**
- Chapter 52, “Structural Design of Flexible Conduits” (June, 2005).
- Part 637 – Environmental Engineering:**
- Chapter 3, “Constructed Wetlands” (September, 2002).
- Part 650 – Engineering Field Handbook:**
- Chapter 2, “Estimating Runoff” (August, 1989).
  - Chapter 6, “Structures” (undated, version in effect on June 1, 2013).
  - Chapter 7, “Grassed Waterways” (December, 2007).
  - Chapter 9, “Diversions” (June 2009).
  - Chapter 11, “Ponds and Reservoirs” (April, 1980).
- Chapter 14, “Water Management (Drainage)” (April, 2001).
  - Chapter 16, “Streambank and Shoreland Protection” (December, 1996).
  - Chapter 18, “Soil Bioengineering for Upland Slope Protection and Erosion Reduction” (December, 1995).
  - Chapter 19, “Hydrology Tools for Wetland Determination” (January, 2011).
- Part 651 – Agricultural Waste Management Field Handbook:**
- Chapter 7, “Geologic and Ground Water Considerations” (Amend. 38, August, 2010).
  - Chapter 9, “Agricultural Waste Management Systems” (Amend. 47, December, 2011).
  - Chapter 10, “Agricultural Waste Management System Component Design” (August, 2009).
  - Chapter 12, “Waste Management Equipment” (Amend. 44, July, 2011).
- Part 652 – Irrigation Guide (September, 1997).**
3. **NRCS – Wisconsin, Wisconsin Technical Notes.** A person may obtain copies of the following standards from the NRCS Wisconsin State Office, 8030 Excelsior Drive, Suite, Madison, WI 53717-2906. Phone: 608-276-8732. Website: <http://www.wi.nrcs.usda.gov/>
- Companion Document 580-1, a supplement to the Streambank and Shoreline Protection Standard, (February, 2009).
  - Wisconsin Agronomy Technical note WI-1, “Guidelines for Herbaceous Stand Evaluation” (May, 1991).
  - Wisconsin Agronomy Technical Note WI-5, “Establishing and Maintaining Native Grasses, Forbs and Legumes” (April, 2013)
  - Wisconsin Agronomy Technical Note WI-6, “Establishing and Maintaining Introduced Grasses and Legumes” (March, 2013).
  - Wisconsin Agronomy Technical Note WI-7, “Cover and Green Manure Crop Benefits to Soil Quality” (March, 2012).
  - Wisconsin Biology Technical Note 1, “Shoreland Habitat” (September, 2001).
  - Wisconsin Biology Technical Note 8, “Pollinator Biology and Habitat” (October, 2008).
  - Wisconsin Forestry Technical Note WI-1, “Native Tree and Shrub Planting Recommendations for Wisconsin” (June, 2011).
  - Wisconsin Forestry Technical Note WI-2, “Tree and Shrub Establishment” (April, 2003).
  - Wisconsin Forestry Technical Note WI-4, “Hydrology Tools for Wetland Determination” (January, 2011).
  - Wisconsin Conservation Planning Technical Note WI-2, “Companion Document to NRCS FOTG Standard 595 Pest Management” (July, 2007).
4. **NRCS– Wisconsin.** A person may obtain copies of the following standards from the NRCS Wisconsin State Office, 8030 Excelsior Drive, Suite 200, Madison, WI 53717-2906. Phone: 608-276-8732. Website: <http://www.wi.nrcs.usda.gov/>.

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- Technical Release TR-25, “Design of Open Channels” (1977).
  - Technical Release TR-55, “Urban Hydrology for Small Watersheds” (April, 2005).
  - Technical Release TR-60, “Earth Dams and Reservoirs” (July, 2005).
  - Technical Release TR-74, “Lateral Earth Pressures” (July, 1989).
  - Field Office Technical Guide, Section III, “Guidelines for Resource Management System Quality Criteria and Human Considerations” (March, 2005).
  - Field Office Technical Guide, Section I, Part II, “Wind Erosion Prediction” (February, 2003).
  - National Planning Procedures Handbook, Subpart E, Part 600.50, “Comprehensive Nutrient Management Planning Technical Guide” (Amend. 5, February, 2010).
  - Flexible Membrane Liner Specification 594 (National Spec.) (January, 2009).
  - Wisconsin Job Sheet 134, “How to Establish and Maintain Introduced Grasses and Legumes” (April, 2013).
  - Wisconsin Job Sheet 135, “How to Establish and Maintain Native Grasses, Forbs and Legumes” (April, 2013).
  - Wisconsin Job Sheet 136, “Wildlife Food Plots” (April, 2007).
  - Wisconsin Job Sheet 142, “Permanent Wildlife Habitat Corridor Plan - CP4B, Permanent Wildlife Habitat Plan - CP4D” (June 2012).
  - “Soil Conditioning Index” (June, 2005).
  - “Windows Pesticide Screening Tool” (WIN-PST 3.1.2) (April, 2011). This may also be downloaded from the website:  
<http://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/national/landuse/crops/npm/?cid=stelprdb1044769>
  - NRCS Milking Center Waste Volume Spreadsheet, available at:  
[http://www.nrcs.usda.gov/wps/portal/nrcs/detail/wi/technical/engineering/?cid=nrcs142p2\\_025422](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/wi/technical/engineering/?cid=nrcs142p2_025422)
5. **NRCS – Wisconsin, “Drainage Guide for Wisconsin” (1977).** A person may obtain this standard from the NRCS Wisconsin State Office, 8030 Excelsior Drive, Suite 200, Madison, WI 53717-2906. Phone: 608-276-8732. Website: <http://www.wi.nrcs.usda.gov/>.
6. **UWEX 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](mailto:reitzman@admin.uwex.edu)
- Corn Fertilization, UWEX publication A3340, (1998).
  - “Forage Variety Update for Wisconsin, 2012 Trial Results”, UWEX Publication A1525 (November, 2012).
  - Guidelines for Applying Manure to Pasture and Cropland in Wisconsin, UWEX publication A3392 (1995).
  - Management of Wisconsin Soils, UWEX publication 3588 (2005).
  - Recommended Methods of Manure Analysis, UWEX publication A3769 (2003).
  - Soil Calcium to Magnesium Ratios - Should You be Concerned? UWEX publication A2986 (1993).
  - Understanding Plant Nutrients: Soil and Applied Boron, UWEX publication A2522 (1999).
  - Understanding Plant Nutrients: Soil and Applied Calcium, UWEX publication A2523 (2004).
  - Understanding Plant Nutrients: Soil and Applied Chlorine, UWEX publication A3556 (1992).
  - Understanding Plant Nutrients: Soil and Applied Copper, UWEX publication A2527 (1999).
  - Understanding Plant Nutrients: Soil and Applied Iron, UWEX publication A3554 (1992).
  - Understanding Plant Nutrients: Soil and Applied Manganese, UWEX publication A2526 (1999).
  - Understanding Plant Nutrients: Soil and Applied Magnesium, UWEX publication A2524 (2004).
  - Understanding Plant Nutrients: Soil and Applied Molybdenum, UWEX publication A3555 (1992).
  - Understanding Plant Nutrients Sulfur and Applied Sulfur UWEX A2525 (1992).
  - Understanding Plant Nutrients: Soil and Applied Zinc, UWEX publication A2528 (2004).
  - Wisconsin’s Pre-plant Soil Nitrate Test, UWEX publication 3512 (1995).
  - Training Manual for the Private Pesticide Applicator, 4th Edition, Chapter 25 – “Calibration” (January 1998).
  - Sampling Soils for Testing, UWEX Publication A2100 (2007).
  - Phosphorous for Bearing Cranberries in North America (November, 2004).  
<http://uwlab.soils.wisc.edu/lab-procedures/>
7. **North Central Regional Extension Publications**  
Soil Cation Ratios for Crop Production, NCRE 533 (2009).
8. **Oregon State University-Extension Publications, “Cranberry Tissue Testing for Producing Beds in North America”. Extension Publication Number EM-8610 (August, 1995).** A person may obtain copies of the standard from Extension Service Administration, 101 Ballard Hall, Corvallis, OR 97331-0360 Phone: 541-737-2713 or from the UW Horticulture Department Website:  
<http://ir.library.oregonstate.edu/xmlui/bitstream/handle/1957/14789/em8610.pdf?sequence=1>.

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- 41(3):621-626 (1998), available at <http://agriculture.ks.gov/docs/default-source/dwr-ws-forms/design-of-rock-chutes.pdf?sfvrsn=2>
9. **WDNR 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](mailto:docsales@doa.state.wi.us).
- BARNY 2.6, “The Wisconsin Barnyard Runoff Model” (October, 1996).
  - “Trails”, Wisconsin Trail Specification Handbook, 8605.1, Ch. 30 (October 2004).
  - “Wisconsin’s Forestry Best Management Practices for Water Quality”, Field Manual Publication No. FR-093 (2010).
- P8 Urban Catchment Model. (October, 2007). available at: <http://www.wwwalker.net/p8/>.
- Agricultural Spills and How to Handle Them, publication #Pub-RR-687-2002 (August, 2002).
10. **Wisconsin Department of Transportation, Facilities Development Manual, Chapter 10, “Erosion Control and Storm Water Quality” (October, 2012).** 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](mailto:library@dot.state.wi.us)
11. **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.
- “Building Code Requirements for Structural Concrete” ACI 318-11 (January, 2011).
  - “Design of Slabs on Grade” ACI 360R-10 (Re-approved 2010).
12. **American Forest & Paper Association, American Wood Council, “2012 National Design Specification for Wood Construction” (August, 2011).** 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](mailto:AWCINFO@afandpa.org).
13. **American Society of Agricultural and Biological Engineers, Engineering Practices.** A person may obtain copies of the following standards from the American Society of Agricultural and Biological Engineers, 2950 Niles Road, St Joseph, MI 49085. Phone: 616-429-0300. Website: [www.asae.org](http://www.asae.org)
- Engineering Practice Number 378.3, “Floor and Suspended Loads on Agricultural Structures Due to Use” (June, 2010).
  - Engineering Practice Number 393.3, “Manure Storages” (r2009).
  - Engineering Practice Number 470, “Manure Storage Safety” (January, 1992; reaffirmed February, 2005).
14. **Design Of Rock Chutes**, K.M. Robinson, C.E. Rice, K.C. Kadavy, American Society of Agricultural Engineers Vol.
15. **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](http://www.aisc.org).
16. **American Society of Civil Engineers (ASCE), Minimum Design Loads for Buildings and Other Structures, ASCE/SEI 7-10 (2010).** A person may obtain this standard from ASCE Publications, 1801 Alexander Bell Drive, Reston, VA 20191. Phone: 800-548-ASCE (2723). Website: [www.asce.org/](http://www.asce.org/)
17. **U.S. Army Corps of Engineers (COE), Recreational Facility and Customer Services Standards, COE 1110-1-400 (November, 2004).** A person may obtain this standard from the following Website: [http://www.publications.usace.army.mil/Portals/76/Publications/EngineerManuals/EM\\_1110-1-400.pdf](http://www.publications.usace.army.mil/Portals/76/Publications/EngineerManuals/EM_1110-1-400.pdf)
18. **Geosynthetic Institute, Determination of Allowable Flow Rate of a Drainage Geocomposite, GRI Standard GC8 (January, 2013).** A person may obtain this standard from the following Website: <http://www.geosynthetic-institute.org/grispecc/gc8.pdf>.
19. **National Food Security Act Manual – Part 527 Appendix (May, 2008).** A person may obtain this document from the following Website: [ftp://ftp-fc.sc.egov.usda.gov/KS/Outgoing/Web\\_Files/Technical\\_Resources/ks\\_supplements/nfsam/ks527.pdf](ftp://ftp-fc.sc.egov.usda.gov/KS/Outgoing/Web_Files/Technical_Resources/ks_supplements/nfsam/ks527.pdf).
20. **Wisconsin Dept. of Safety and Professional Services (DSPS), Safety and Buildings Division, Plumbing Products Database.** A person may access this database on the following Website: <http://dsps.wi.gov/Default.aspx?Page=2e719db6-3d2a-4bd7-ae2c-d58b16ded430>.
21. **International Building Code (IBC), International Code Council (2006).** A person may obtain a copy of this code at the following Website: <http://archive.org/details/gov.law.icc.ibc.2006>.