

## 25 Appendix 25.0 References

- AK Industries, Inc. 2001. *AK Industries: Plastic Sewage Tank Installation Procedures*. Plymouth, Indiana.
- ASTM. 2003. *Standard Specifications for Concrete Aggregate. C-33*. American Society of Testing and Materials. ASTM C33-03. West Conshohocken, Pennsylvania
- ASTM. 2003. *Standard Specification for Precast Concrete Septic Tanks*. American Society of Testing and Materials. ASTM C1227-03 West Conshohocken, Pennsylvania.
- Advanced Drainage Systems, Inc. *SB<sub>2</sub> Installation Guidelines*. Columbus, Ohio.
- Advanced Drainage Systems, Inc. *N-12 Sanitary Pipe Products*. Columbus, Ohio.
- Advanced Drainage Systems, Inc. *Nonwoven Geotextile Products*. Columbus, Ohio.
- American Manufacturing Company, Inc. 2002. *Perc-Rite Wastewater Drip Dispersal Systems: Designer's Guide*. Manassas, Virginia.
- American Manufacturing Company, Inc. 2004. *American Septic Drip Distribution Installer's Guide - Draft*. Manassas, Virginia.
- Amerson, R., Tyler, E.J., and Converse, J.C. 1991. *Infiltration as Affected by Compaction, Fines, and Contact Area of Gravel*. Proceedings of the Sixth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan
- Auger, R., Chenier, R., and Roy, C. 1998. *Use of Non-Woven Fabric in Intermittent Filters*. Proceedings of the Eighth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Ball, H.L. 1991. *Sand Filters: State of the Art and Beyond*. Proceedings of the Sixth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Ball, H.L. 1994. *Sand Filters and Shallow Drainfields*. Orenco Systems, Inc., Sutherlin Oregon.
- Ball, H.L. 1995. *Pressure Dosing: Attention To Detail*. Orenco Systems, Inc., Sutherlin Oregon.

- Ball, H.L. 1995. *Nitrogen Reduction in an Onsite Trickling Filter/Upflow Filter System*. Orenco Systems, Inc. Sutherlin, Oregon.
- Ball, H.L. 1996. *Design, Use and Installation of Dosing Siphons for Onsite Wastewater Treatment Systems*. Orenco Systems, Inc., Sutherlin Oregon.
- Ball, H.L., Gaddy, B.S., and Weaver, C.P. 1998. *Effects of Media Variations on Intermittent Sand Filter Performance*. Proceedings of the Eighth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Ball, H.L. 1999. *Orenco Automatic Distributing Valve Assemblies For Wastewater Effluent Systems*. Orenco Systems, Inc., Sutherlin Oregon.
- Benson, R.A., and Griffith, C.M. 2001. *Modified Mounds on Soils with Slow Permeability and Shallow Seasonal Water Tables*. Proceedings of the Ninth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Benson, R.A., and Griffith, C.M. 2002. *Alternative Technology Specification and Guidance Manual*. Clermont County General Health District. Batavia, Ohio.
- Bohrer, R. M. and Converse, J. C. 2001. *Soil Treatment Performance And Cold Weather Operations Of Drip Distribution Systems*. Publication 10.24. The University of Wisconsin-Madison. Small Scale Waste Management Project.
- Bord Na Móna. 1998. *Puraflo Peat Biofilter for Wastewater Treatment: Design Reference Material For Single Family Systems*. Greensboro, North Carolina.
- Bord Na Móna. 1998. *Puraflo Peat Biofilter for Wastewater Treatment: Installation Reference Material For Single Family Systems*. Greensboro, North Carolina.
- Bounds, T.R. 1987. *Glide Audit 1986-1987: Summary of Sludge and Scum Accumulation Rates*. Orenco Systems, Inc. Sutherlin, Oregon.
- Bounds, T.R. 1994. *Septic Tank Sizes For Large Flows*. Proceedings of the Seventh National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Bounds, T.R. 1994. *Septic Tank Septage Pumping Intervals*. Proceedings of the Seventh National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Bounds, T.R. 1995. *Pumps, Controls, and Regulations*. Orenco Systems, Inc. Sutherlin, Oregon.

- Bounds, T.R. 1998. *Design Criteria for Recirculating Sand Filters*. Orenco Systems, Inc. Sutherlin, Oregon.
- Bounds, T.R. 1998. *Performance of Textile-Based Packed Bed Filters*. Orenco Systems, Inc. Sutherlin, Oregon.
- Bounds, T.R., and Ball, H.L. 1998. *Septic Tank Effluent Pump Systems*. Orenco Systems, Inc. Sutherlin, Oregon.
- Bounds, T.R. 2002. *Design and Performance of Septic Tanks*. Site Characterization and Design of Onsite Septic Systems ASTM STP 901. ASTM, Philadelphia, Pennsylvania.
- Brown, L.C. 1999. *Soil Properties Important for Irrigation*. Bulletin OAWMGWG No. 5-3/1999. The Ohio State University.
- Clermont County General Health District. 1993-2000. *Construction Specifications and Inspection Checklists for Household Sewage Disposal Systems in Clermont County, Ohio*. Batavia, Ohio.
- Coate Concrete Products, Inc. 2004. *Coate Standards For Installation of Sewage Tanks*. West Milton, Ohio.
- Converse, J.C., and Tyler, E.J., 1989 *Inspecting and Troubleshooting Wisconsin Mounds*. Publication G3406. Agricultural Publications. Wisconsin, Madison.
- Converse, J.C., Tyler, E.J., and Peterson, J.O. 1990. *The Wisconsin At-Grade Soil Absorption System Siting, Design, and Construction Manual*. The University of Wisconsin-Madison. Small Scale Waste Management Project.
- Converse, J.C., Kean, M.E., Tyler, E.J., and Peterson, J.O. 1991. *Bacterial and Nutrient Removal in Wisconsin At-Grade Onsite Systems*. Proceedings of the Sixth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Converse, J.C., and Tyler, E.J. 1994. *Soil Acceptance on Onsite Wastewater as Affected by Soil Morphology and Wastewater Quality*. Proceedings of the Seventh National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Converse, J.C., Tyler, E.J., and Peterson, J.O. 1996. *Aerobic Systems for Onsite Treatment of Domestic Wastes*. Publication 16.2. The University of Wisconsin-Madison. Small Scale Waste Management Project.

- Converse, J.C. 1996. *Changes to Modified Mounds*. The University of Wisconsin-Madison. Small Scale Waste Management Project.
- Converse, J.C., 1996-2004. *Personal Communications*. The University of Wisconsin-Madison. Small Scale Waste Management Project.
- Converse, J.C., and Tyler, E.J. 1998. *Soil Treatment of Aerobically Treated Domestic Wastewater with Emphasis on Modified Mounds*. Proceedings of the Eighth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Converse, J.C. 1999. *Mound Systems For Onsite Wastewater Treatment and Dispersal*. The University of Wisconsin-Madison. Small Scale Waste Management Project.
- Converse, J.C. 2000. *Pressure Distribution Design Based on Comm 83*. The University of Wisconsin-Madison. Small Scale Waste Management Project.
- Converse, J.C. 2000. *Pressure Distribution Design Based on Orifice Area (6 and 12ft<sup>2</sup> Per Orifice)*. The University of Wisconsin-Madison. Small Scale Waste Management Project.
- Converse, J.C. 2000. *Pressure Distribution Network Design*. Publication 9.14. The University of Wisconsin-Madison. Small Scale Waste Management Project.
- Converse, J.C., and Tyler, E.J. 2000. *Wisconsin Mound Soil Absorption System Siting, Design, and Construction Manual*. Publication 15.24. The University of Wisconsin-Madison. Small Scale Waste Management Project.
- Crites, R. and G. Tchobanoglous. 1998. *Small and Decentralized Wastewater Management Systems*. The McGraw-Hill Companies. Boston, Massachusetts.
- D'Amato, V.A. and Devkato, I.C. 1998. *Development of Prefabricated Septic and Pump Tank Construction and Installation Standards for North Carolina*. Proceedings of the Eighth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Darby, J.L., Asri Nor, M., Mociolek, D., and Tchobanoglous, G. 1996. *Shallow Intermittent Sand Filtration: Performance Evaluation*. The Small Flows Journal. 2(1):3-15.
- Darby, J.L., Emerich, R.W., Manning, J., and Tchobanoglous, G. 1999. *Impact of Bacteria and Dosing Frequency on the Removal of Virus within Intermittently Dosed Biological Filters*. The Small Flows Journal. 1(1):36-41.

Dycom Corp. 2004. *Puraflo Peat Biofilter for Wastewater Treatment: Installation Reference Material For Single Family Systems (Local Procedures)*. Amelia, Ohio.

Emerick, R.W., Test, R.M., Tchobanoglous, G., and Darby, J. 1997. *Shallow Intermittent Sand Filtration: Microorganism Removal*. The Small Flows Journal. 3(1):12-22.

Frazier, A. 2003. *Correspondence Regarding the use of Hydraulic Cement as a Permanent Concrete Sealant*. Municipal and Concrete Sealing Products, Inc. Cincinnati, Ohio.

Goff, R.L., Gross, M.A., Paul, J.T., and Rutledge, E.M. 2001. *Using Drains Between Renovation Trenches to Lower a Seasonal Water Table*. Proceedings of the Ninth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.

Gross, M.A. and Vanlandingham, D.S. 1998. *Contaminant Distribution in Intermittent Sand Filters*. Proceedings of the Eighth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.

Gufstason, R., Mancl, K., and Kang, K.W. 2004. *Draft Mound System: Pressure Distribution of Wastewater. Design and Construction In Ohio*. Ohio State University. Columbus, Ohio.

Hamilton County General Health District. 2002. *Sanitary Regulation 529*. Cincinnati, Ohio.

Hamilton County General Health District. 1994. *The Household Sewage Disposal Manual: An Interpretive and Technical Guide for Hamilton County, Ohio*. Cincinnati, Ohio.

Infiltrator System, Inc. 2000. *Septic Installation Instructions For Equalizer Chambers*. Old Saybrook, Connecticut.

Infiltrator System, Inc. 2000. *Performance Research on Infiltrator Aggregate Free Chamber Systems*. Old Saybrook, Connecticut.

International Code Counsel (ICC). 2000. *International Private Sewage and Disposal Code*. Falls Church, Virginia.

International Code Counsel (ICC). 2000. *International Plumbing Code*. Falls Church, Virginia.

J.K. Precast. 2004. *Installation Standards For Concrete Tanks*. Washington Court House, Ohio.

Loudon, T.L., and Bernie, G.L. 1991. *Performance of Trenches Receiving Sand Filter Effluent in Slowly Permeable Soils*. Proceedings of the Sixth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.

Loudon, T.L., Miller, P., and Mokma, D.L. 2001. *Rationale for Shallow Trenches in Soil Treatment Systems*. Proceedings of the Ninth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.

Mancl, K. and Slater, B. *Why Do Septic Systems Malfunction?* Bulletin AEX-741-00. Ohio State University Extension. Columbus, Ohio.

Mancl, K., and Gustafson, R. 1992. *Mound Systems: Pressure Distribution of Wastewater*. Bulletin 829. Ohio State University Extension. Columbus, Ohio.

Mancl, K. 2000. *Managing Septic Tank-Mound Systems*. Bulletin AEX-753. Ohio State University. Columbus, Ohio.

Mancl, K., and Chen, C.L. 2004. *Mound Systems For Onsite Wastewater Treatment Siting, Design and Construction in Ohio*. Bulletin 813. Ohio State University Extension. Columbus, Ohio.

Metcalf and Eddy, Inc. 1991. *Wastewater Engineering: Treatment, Disposal, and Reuse. 3rd Ed.* The McGraw-Hill Companies. New York, New York.

National Electric Code. 2002. National Fire Protection Association, Quincy, Massachusetts.

National Precast Concrete Association. *Septic Tank Manufacturing: Best Practices Manual*. Indianapolis, Indiana.

National Weather Service, National Oceanic and Atmospheric Administration. 2000. *Geographic Areas Frost Penetration Diagram*. Washington, DC.

Netafim USA. 2001. *Bioline Design Guide: Drip Disposal of Highly Treated Effluent*. Fresno, California.

Nolte, B.H. and Fausey, N.R. *Soil Compaction And Drainage*. Bulletin AEX-301. Ohio State University Extension. Columbus, Ohio.

NOWRA. 1995. *Mound Troubleshooting*. Onsite Insight. Edgewater, Maryland.

Ohio Administrative Code. 1977. *Household Sewage Disposal Rules, Chapter 3701-29-01 to 3701-29-21*. Ohio Department of Health. Columbus, Ohio.

Ohio Administrative Code. 2002. *Water Standards, Chapter 3745*. Ohio Environmental Protection Agency. Columbus, Ohio.

Ohio EPA. 1993. *Sewage: Collection, Treatment and Disposal: Where Public Sewers are not Available*. Columbus, Ohio

Ohio State Department of Health. *An Interpretive Guide To Home Sewage Disposal Rules 3701-29-01 to 3701-29-21 Inclusive of the Ohio Administrative Code*. Columbus, Ohio.

Ohio State Department of Health. 2001. *Technical Guidelines for the Use of Advanced Technologies in Ohio*. Columbus, Ohio.

Orenco Systems, Inc. *Unpublished Research on Orifice Wetting Patterns Through Two Feet of Sand*. Sutherlin, Oregon.

Orenco Systems, Inc. 1992. *Method For Determining Total Headloss in a Pressure Laterals*. Sutherlin, Oregon.

Orenco Systems, Inc. 1995. *Determining the Programmable Timer Settings for a Sand Filter Control Panel*. Sutherlin, Oregon.

Orenco Systems, Inc. 1996-2004. *Personal Communications*. Sutherlin, Oregon.

Orenco Systems, Inc. 1998. *Pea Gravel Gradation Range for Supporting Sand Filter Media*. Sutherlin, Oregon.

Orenco Systems, Inc. 1999. *Biotube Effluent Filter Sizing*. Sutherlin, Oregon.

Orenco Systems, Inc. 1999. *Sand Gradation Range for Intermittent Sand Filter Systems Loaded up to 1.25gal/ft<sup>2</sup>*. Sutherlin, Oregon.

Orenco Systems, Inc. 2002. *Installation Guide: Intermittent Sand Filters Systems*. Sutherlin, Oregon.

Orenco Systems, Inc. 2003. *Installation Guide: AdvanTex –AX Treatment Systems*. Sutherlin, Oregon.

Orenco Systems, Inc. 2003. *Fiberglass Tanks: Approvals Package*. Sutherlin, Oregon.

Orenco Systems, Inc. 2004. *Product Fact Sheet: Filter Facts...Hard Facts*. Sutherlin, Oregon.

- Otis, R.J. 1998. *Decentralized Wastewater Treatment: A Misnomer*. Proceedings of the Eighth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Rains, M. 2001. *Effect of Orifice Plugging on Pump Run Time and Residual Pressure in Pressure Distribution Systems – Draft*. Orenco Systems, Inc. Sutherland, Oregon.
- Siegrist, R.L. 1987. *Hydraulic Loading Rates for Soil Absorption Systems Based on Wastewater Quality*. Proceedings of the Fifth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Siegrist, R.L. 1987. *Soil Clogging During Subsurface Wastewater Infiltration as Affected by Effluent Composition and Loading Rate*. Journal of Environmental Quality. 16(2). 181-187.
- Sievers, D.M. 1998. *Pressurized Intermittent Sand Filter with Shallow Disposal Field for a Single Residence in Boone County, Missouri*. Proceedings of the Eighth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Tuf-Tite, Inc. *Drop Box Distribution Systems: Installation and Use*. Wauconda, Illinois.
- Tyler, E.J. 2001. *Hydraulic Wastewater Loading Rates to Soil*. Proceedings of the Ninth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- Tyler, E.J. 2001. *A Model for Soil Oxygen Delivery to Wastewater Infiltration Surfaces*. Proceedings of the Ninth National Symposium on Individual and Small Community Sewage Systems. ASAE, St. Joseph, Michigan.
- US EPA. 1980. *Design Manual-Onsite Wastewater Treatment and Disposal Systems*. EPA 625/1-80-012. Municipal Environmental Research Laboratory, Cincinnati, Ohio.
- US EPA. 1997. *Response to Congress on Use of Decentralized Wastewater Treatment Systems*. U.S. Environmental Protection Agency, Office of Water, Washington, DC.
- US EPA. 2002. *Onsite Wastewater Treatment Systems Manual*. EPA 625 EPA/625/R-00/008. National Risk Management Research Laboratory, Cincinnati, Ohio.
- USDA, Soil Conservation Service, 1975. *Soil Survey of Clermont County, Ohio*. Washington DC.

USDA, Soil Conservation Service, 1992. *Soil Survey of Hamilton County, Ohio*. Washington DC.

USDA, Soil Conservation Service, 1993. *National Soil Survey Handbook*. Title 430-VI. Washington DC.

Washington State Department of Health, Office of Environmental Health and Safety. 2000. *Intermittent Sand Filter Systems: Recommended Standards and Guidance For Performance, Application, Design, Operation, and Maintenance*. Olympia, Washington.

Wisconsin Department of Commerce. 1998. *Pressure Distribution Component Manual for Private Onsite Wastewater Treatment Systems*. Division of Safety and Buildings. Publication SBD-10573-P (R.12/98). Wisconsin, Madison.

Wisconsin Administrative Code. 2000. *Private Onsite Sewage Systems*. Comm 83. State of Wisconsin Department of Commerce, Bureau of Plumbing, Safety, and Building Division. Madison, Wisconsin.

Xerxes Corp. 2002. *Xerxes RST –II Installation Instructions: 1500 Gallon and 1000 Gallon Residential Septic Tanks*. Minneapolis, Minnesota.

Xerxes Corp. 2002. *Xerxes Tank Backfill Guidelines*. Minneapolis, Minnesota.

Zabel Environmental Technology. Zabel Zone. 1999 Zabel Filter Test Reports. Zabel Zone. Fall Edition. p.63. Crestwood, Kentucky.

Zabel Environmental Technology. 2003. *Tech Data – Effluent Filters (A300™ – 12 Series)*. Crestwood, Kentucky.

Zoeller Company. Onsite Products. *Zoeller Recirculating Media Filter Packages*. Louisville, Kentucky.

Zoeller Company. Onsite Products. *Various Product Installation Guidelines*. Louisville, Kentucky.