

Curriculum Vitae

PAUL M. MCGINLEY

**University of Wisconsin-Extension Water Quality Specialist &
Professor of Fisheries and Water Resources**

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ACADEMIC BACKGROUND

Ph.D., Environmental Engineering. University of Michigan
Dissertation: Subsurface Soil Reactivity and Its Implications for the Sorption and Transport of Hydrophobic Organic Compounds

M.S., Environmental Chemistry. University of North Carolina-Chapel Hill. Thesis: The Photoreduction of Ferric Iron in the Presence of Humic Substances.

B.S., Soil Science/Civil and Environmental Engineering. University of Wisconsin-Madison

PROFESSIONAL OVERVIEW

Professor (2014), Associate Professor (2006) and Assistant Professor (2001) of Fisheries and Water Resources, College of Natural Resources, University of Wisconsin-Stevens Point (2000-2005): teach and perform water resources outreach and research through the College of Natural Resources, University of Wisconsin-Stevens Point and University of Wisconsin-Extension.

Prior to joining UW-Stevens Point: Project Manager/Water Resources Team Leader MSA Professional Services (1994-2000) Baraboo, Wisconsin and an Assistant Professor of Civil Engineering at the University of Kentucky in Lexington (1991-1994).

TEACHING EXPERIENCE

I teach in the classroom, at field stations, and through mentoring students in field and laboratory research in the College of Natural Resources Center for Watershed Science and Education/Water Environmental Analysis Laboratory. College of Natural Resources teaching includes: Water and Wastewater Treatment I and II (WATR/WSTE/PSEN 382; WSTE481); Constructed Wetlands for Water Quality Control (WATR454), Lecture and Laboratories for Introduction to Soil and Water Resources (NRES251), field station teaching in the UWSP field experience (Treehaven) Field Experience in Aquatic Ecosystem Evaluation (WATR380) and Soil Conservation and Watershed Inventory Techniques (SOIL359), and Surface Water Quality Modeling (NRES796). Instruction through undergraduate research mentoring through outreach projects on lake and stream management, water treatment and agricultural runoff evaluation and advising Master's students.

OUTREACH EXPERIENCE

I participate in state-wide outreach and applied research through surface water and water quality assessment and evaluation; water and wastewater treatment; fate and transport of nutrients to aquatic systems, modeling urban and agricultural nonpoint source pollution; and drinking water quality. Synthesize research on the movement of water and nutrients through and from land to aquatic ecosystems and present to audiences from citizens in lake organizations to engineers in agencies and private practice. Develop laboratory-scale wastewater reactors for use in teaching and applied research. Coordinating and teaching courses in the use of simulation tools for hydrology (Storm Water Model Training), urban water quality modeling (P8 Urban Catchment Model) and lake modeling (Wisconsin Lake Modeling Suite, WiLMS) to engineers and scientists in agencies, citizen groups and private practice.

PROFESSIONAL SERVICE

President, Vice-President and Past-President of the American Water Resources Association- Wisconsin Section (2004-2006)

UWSP Mediation Subcommittee (2003-2005), CNR Personnel Committee (2004-present), CNR Recruitment and Retention Committee (2004-present), CNR Building Committee (2005-present), UWSP Sustainability Taskforce (2007-2010), CNR Personnel Committee (2012-present)

University of Wisconsin-Extension Water Team

Wisconsin DNR Shoreland Advisory Committee (NR115) (2002-2007)

Wisconsin Groundwater Coordinating Council Research Subcommittee (2004-present)

Town of Hull Water Quality Task Force (2011-2012)

UW Extension Liaison to the North American Stormwater Education Association-Wisconsin (2012-2013)

Manuscript reviewer for journals including: *Water Research*, *Journal of Lake and Reservoir Management*, *Hydrological Sciences Journal*, *Journal of Environmental Engineering*, *Journal of the American Water Resources Association* and *Journal of Environmental Quality*

Professional Societies: *North American Lake Management Society*, *American Water Works Association*, *Wisconsin Section of the American Water Resources Association*

National Science Foundation Merit Review Panelist (2010 and 2007)

HONORS

Founders Award for Best Paper by a U.S. author by the U.S.A. National Committee of the International Association of Water Quality (1992).

Outstanding Teacher Award in the College of Natural Resources (peer selection in 2004 and 2011)

Outstanding Team Gold Award from the Association of Natural Resources Extension Professionals (ANREP) for “State-wide Approach to Stormwater Education Efforts” (2008)

PUBLISHED WORKS FOR NONSCIENTIFIC AUDIENCES

McGinley, P. 2012. **How did that get in the water? An Update on Pharmaceuticals and Other Human Products in Lakes and Groundwater.** *Lake Tides* 37(3) Summer/Fall 2012 available on-line: <http://www4.uwsp.edu/cnr/uwexlakes/laketides/vol37-3/LTSummer12web.pdf>

McGinley, P. 2007. **The Land “Behind” the Lake: Watersheds and Lake Water Quality.** *Published in the “Ask a Limnologist” column for the Lake Connection Fall, 2007.*

Hoverson, D. and P. McGinley. 2007. **“Going Bottomside:” Boating Impacts in Lakes.** *Published in the Lake Connection* 16(2):12.

McGinley, P. **Run Off with the Facts: An Introduction to Wisconsin Stormwater Regulations.** *Lake Tides*, 31(4): 1-2, Fall, 2006.

McGinley, P.M. 2005. **Hold the Salt? The Impact of De-Icing and Other Chloride-Containing Compounds on Lakes.** *Lake Tides* Winter, 2006, 31(1):4-5.
<http://www.uwsp.edu/cnr/uwexlakes/laketides/vol31-1/LTWinter2006.pdf>

McGinley, P. **Questions and Answers about Arsenic.** *Wisconsin Water Association Newsletter, Spring 2005, page 20/23.*

McGinley, P.M. 2003. **A 10,000 Year Relationship-- The Lakes and Land, How are They Getting Along?** *Lake Tides* 29(1):9-11 (<http://www.uwsp.edu/cnr/uwexlakes/laketides/vol29-1/vol29-1.pdf>)

RECENT OUTREACH PRESENTATIONS

“Wisconsin & Groundwater” Presentation to the Wisconsin Woodland Owners Association Conference Black River Chapter, River Falls, March 7, 2015.

“Toledo, Gulf of Mexico and a Lake Near You: Making the Connections between Runoff, Erosion and Algae.” Invited presentation at the NASECA-WI (North American Stormwater Association-Wisconsin Section) Field Day, Rice Lake, Sept 25, 2014.

“Modeling, What’s the Use?” Wisconsin DNR Lake Leaders Workshop, Kemp Field Station, Sept 19, 2014.

“Following the Water – Implications for Phosphorus” Invited presentation at the Red Cedar Basin Conference, Menominee, WI, March 14, 2013.
(http://naturalresources.uwex.edu/redcedar/pdf/RedCedar2013_McGinley.pdf)

“Modeling Wetlands in the Watershed – Some Challenges to Simulating Wetland Hydrology, Hydraulics and Nutrient Transport” invited participant in a Symposium on Wetlands and Watershed Planning and Protection at the Wisconsin Wetlands Association’s Conference in Sheboygan, WI February 13, 2013.

“Importance of Wisconsin Water Resources” invited speaker at the North American Stormwater Education Association Wisconsin (NASECA-WI) Fall training in Waukesha, WI November 28, 2012.

“Understanding the Impacts of Development on Lakes” invited speaker at the NW Wisconsin Lakes Conference, June 22, 2102, Spooner, WI.

“Groundwater to Surface Water: a Phosphorus Connection?” Presented at the Fox Wolf Watershed Alliance Watershed Conference April 17, 2012 (http://www.uwsp.edu/cnr-ap/watershed/Documents/phosphorus_fwva.pdf).

“Introduction to TMDLs and Phosphorus and Models.” Presented at the 2011 Annual Conference of the Wisconsin Chapter of the Soil and Water Conservation Society, Stevens Point, WI.

“Modeling Your Shoreland Footprint: A Primer on Tracking Impacts One Landowner at a Time” Presented at the Advanced Lake Leaders Training, St. Germain, WI, September, 2009.

“Comparison of SWAT with PI in Mead Lake Watershed and Pioneer Farm, Presented at the workshop Moving from Modeling to Implementation on Croplands in TMDL Watersheds, UW-Stevens Point, January, 2009.

PEER REVIEWED SCIENTIFIC PUBLICATIONS

McGinley, P.M., A.T.Freihoefer and R.S. Mentz. 2015- *in preparation*. **Simulating Stream Nutrient Concentration Variability in a Groundwater-Dominated Agricultural Watershed.**

McGinley, P.M., K. Masarik, M. Gotkowitz and D. Mechenich. 2015—submitted. **The Influence of Aquifer Geology and Anthropogenic Acidification on Groundwater Phosphorus**

McGinley, P.M., A.T. Freihoefer and R.S. Mentz. 2013. **Runoff Curve Numbers at the Agricultural Field-Scale and Implications for Continuous Simulation Modeling.** *Journal of the American Water Resources Association (JAWRA)* 1-8. DOI: 10.1111/jawr.12097.

Macholl, J.A., Clancy, K.A. and P.M. McGinley. 2011. **Using a GIS Model to Identify Internally Drained Areas and Runoff Contribution in a Glaciated Watershed.** *Journal of the American Water Resources Association* 47(1):114-125.

McGinley, P.M. 2008. **Modeling the Influence of Land Use on Groundwater Chloride Loading to Lakes.** *Lake and Reservoir Management* 24:112-121.

McGinley, P.M., L.E.Katz, W.J. Weber, Jr. 1996. **Competitive Sorption and Displacement of Hydrophobic Organic Contaminants in Saturated Subsurface Soil Systems,** *Water Resources Research* 32:3571-3577.

Weber, W.J., P.M. McGinley and L.E. Katz. 1995. **Distributed Reactivity in the Sorption of Hydrophobic Organic Contaminants in Natural Aquatic Systems.** pp 363-382 in: *Advances in Chemistry Series 244, Aquatic Chemistry Interfacial and Interspecies Processes*, C.P. Huang, C.R. O’Melia, and J.J. Morgan, eds. American Chemical Society, Washington D.C.

McGinley, P.M., L.E. Katz, and W.J. Weber, Jr. 1993. **A Distributed Reactivity Model for Sorption by Soils and Sediments: II. Competitive Sorption of Hydrophobic Organic Compounds.** *Environmental Science & Technology*, 27:1524-1531.

Weber, W.J., Jr., P.M. McGinley, and L.E. Katz. 1992. **A Distributed Reactivity Model for Sorption by**

Soils and Sediments: I. Thermodynamic Basis and Equilibrium Assessments, *Environmental Science & Technology*, 26:1955-1962.

Weber, W.J., Jr., P.M McGinley, L.E. Katz. 1992. **Sorption Phenomena in Subsurface Systems: Concepts, Models and Effects on Contaminant Fate and Transport**, *Water Research*, 25:499-528.

SCIENTIFIC PRESENTATIONS/PUBLISHED ABSTRACTS/CONFERENCE PROCEEDINGS

Timm, A. and P. McGinley. 2015. **Understanding Stream Phosphorus Concentrations—Contrasting the Roles of External Inputs and Internal Reactions**. Poster presentation at the Water Environment Federation Central States Education Conference, Madison.

Brodzeller, J. and P. McGinley. 2015. **Understanding Dissolved Oxygen in the Big Eau Pleine, Modeling Winter Oxygen Profiles with CE-QUAL-W2**. Poster presentation at the Wisconsin Section American Water Resources Association Meeting, Oconomowoc, March, 2015.

McGinley, P.M. and N. Turyk. 2014. **Groundwater Inflow and Marl Formation Rates in Small Lakes**. Presented at the North American Lakes Management Conference, Tampa FL, November 2014.

DeVita, W., A. Nitka and P. McGinley. 2013. **Developing a method for the analysis of chemical waste markers in groundwater to identify sources of nitrate contamination**. Presentation and published abstract, SETAC North America 34th Annual Meeting, Nashville, TN Nov 20, 2013.

McGinley, P. and N. Turyk. 2013. **Simulating the Seasonal Variations in Phosphorus Concentrations in Lakes- Linking Watershed and Lake Models for Upper St. Croix Lake**. Published abstract and poster presented at the American Water Resources Association-Wisconsin Section meeting in Brookfield, WI, March, 2013.

McGinley, P., J. Macholl and N. Turyk. 2012. **Linking a dynamic watershed and lake phosphorus model to improve the phosphorus budget for Upper St. Croix Lake in Wisconsin**. Published abstract and presentation at the North American Lake Management Conference November 8, 2012, Madison, WI.

Timm, A.A. and P.M. McGinley. 2012. **Combined watershed and stream model for stream phosphorus concentrations**. Published abstract and poster presented at the American Water Resources Association-Wisconsin Section meeting in the Wisconsin Dells, WI, March 2012.

Nitka, A., B. DeVita, R. Stephens and P. McGinley. 2012. **Identifying sources of high nitrate concentrations**. Published abstract and poster presented at the American Water Resources Association-Wisconsin Section meeting in the Wisconsin Dells, WI, March 2012.

Templar, H.A., N.E. Feiten, N. Turyk, R. Bell and P.McGinley. 2012. **Examining causes for cyanobacterial blooms in a minimally developed lake in Forest County, Wisconsin**. Published abstract and poster presented at the American Water Resources Association-Wisconsin Section meeting in the Wisconsin Dells, WI, March 2012.

Timm, A.A. and P.M. McGinley. 2011. **Desorption of phosphorus from stream sediments and the impact on stream concentrations**. Published abstract and poster presented at the American Water Resources Association – Wisconsin Section meeting in Appleton, WI March 2011.

Mentz, R.S., P.M. McGinley, M.R. Penn, and D.L. Busch. 2011. **Snowmelt Export of Phosphorus from Cropland: Edge-of-Field Runoff Monitoring Results from Pioneer Farm in Southwest Wisconsin.** Published abstract and poster presented at the American Water Resources Association – Wisconsin Section meeting in Appleton, WI March 2011.

Jereczek J. and P. McGinley. 2011 **Developing a Wetland Flood Attenuation Tool.** Published abstract and presentation at the 2011 Wisconsin Wetland Conference in Wisconsin Dells, February, 2011.

Turyk, N., P. McGinley and J. Macholl. 2011. **Integrating build-out scenarios with lake and river response models to guide management decisions.** Presented at the 2011 North American Lake Management Symposium Spokane WA October 26-28.

P. McGinley and D. Busch. 2010. **Combining field and watershed monitoring to improve models of nutrient loss from agricultural management.** Poster presented at the 18th National Nonpoint Source Monitoring Workshop Nov 16-18, Milwaukee, WI.

Busch, D. and P. McGinley. 2010. **The Impact of Sample Holding Times on Nutrient Forms in Agricultural Runoff.** Published abstract and poster presented at the 2010 Land Grant and Sea Grant National Water Conference. Hilton Head, SC, February 2010.

McGinley, P.M., K. Foster and E. Frank. 2010. **Incorporating Shoreland Development in a Lake Impact Model.** Published abstract and poster presented at the American Water Resources Association – Wisconsin Section meeting in Middleton, WI. March 2010.

Brodzeller, J.R., K.F. Clancy, P.M. McGinley, and N. Turyk. 2010. **Upper St. Croix Rivers Watershed: State of the Lakes 2009.** Published abstract and poster presented at the American Water Resources Association – Wisconsin Section meeting in Middleton, WI. March 2010.

Freihoefer, A.T. and P. M. McGinley, 2009. **Event based hydrologic calibration of field-scale watersheds in southwestern Wisconsin using the SWAT model.** Presented at the 2009 International SWAT Conference, Boulder CO.

McGinley, P.M. and K.M. Foster. 2008. **The Effectiveness of pervious areas for infiltration runoff from impervious areas.** Presented at the North American Lakes Management Society Annual Meeting, November 2008.

Hoverson, D. and P. McGinley. **Boating Impacts on Water Clarity in Clark Lake, Wisconsin.** Published abstract and presentation at the North American Lake Management Society Annual Meeting in Orlando, Florida, November, 2007.

Hoverson, D. and P. McGinley. **Boating Impacts in Lakes.** Presented at the Wisconsin Association of Lakes Annual Meeting, Green Bay, April, 2007.

Freihoefer, A. and P. McGinley, 2006. **Improving SWAT Model Calibration for Phosphorus Export with Field-Scale Monitoring.** Presented at the American Water Resources Association Annual Meeting, Baltimore, November 6-9, 2006. (Advisee A. Freihoefer received “best student presentation” award at the meeting).

Freihoefer, A.T. and P.M. McGinley. 2006. **Using the SWAT Computer Model to Simulate Runoff**

From Fields on the Pioneer Farm. Presentation and published abstract from the 2nd Annual Pioneer Farm Research Symposium, March 22, 2006, Platteville, Wisconsin.

Freihoefer, A.T., R.M. Mentz, and P.M. McGinley. 2006. **Using the SWAT Model to Link Land Management with Phosphorus Loading in the Upper Fever River, Lafayette County, Wisconsin.** Published abstract and presentation at the American Water Resources Association Annual Meeting, March 2-3, 2006, Elkhart Lake, Wisconsin.

Mentz, R.M., M.R. Penn, T.Hunt, D.W. Owens, D.Busch, P. McGinley. 2006. **Evaluating the significance of winter runoff from agricultural fields in southwest Wisconsin.** Published abstract and presentation at the American Water Resources Association Annual Meeting, March 2-3, 2006, Elkhart Lake, Wisconsin.

McGinley, P.M. and E. Frank. 2005. **What controls the phosphorus concentration in surface runoff.** Published abstract and presentation at the North American Lake Management Society Annual meeting, Madison Wisconsin.

McGinley, P.M. 2005. **Modeling the Effect of Urban Storm Water Runoff on Groundwater-Dominated Lakes.** Published abstract: Eos Trans. AGU, 86(18), Jt. Assem. Suppl. Abstract H21D-04 and poster presented at the AGU Spring Meeting, New Orleans, LA, May, 2005.

Mentz, R., M.R. Penn, T. Hunt, D.W. Owens, and P.M. McGinley. 2005. **Quantification of the Export of Sediment and Nutrients in Snowmelt at the Pioneer Farm.** Published abstract and presentation at the American Water Resources Association- Wisconsin Section Annual Meeting, March 3 & 4, Delevan, Wisconsin.

B. Miller and P. McGinley. 2005. **Atrazine concentrations in Mill Creek, Portage/Wood Counties Wisconsin.** Published abstraction and poster presentation at American Water Resources Association Wisconsin Chapter Annual Meeting, Delevan, WI.

E. Frank and P. McGinley. 2005. **Water Extractable Phosphorus (P) in a Silt Loam Soil and its Relationship to Bray-1 P, Total P and Runoff P.** Published abstract and poster presented at the American Water Resources Association Wisconsin Chapter Annual Meeting, Delevan, WI.

Olson, E. and P. McGinley. 2005. **Lot Size Regulations and Water Quality Protection: The Case for Large Lots in Rural Areas.** Abstract and presentation at Emerging Issues Along Urban/Rural Interfaces: Linking Science and Society, March 13-16, 2005, Atlanta, Georgia.

McGinley, P.M., R. Cook, N. Turyk and B. Shaw. 2004. **Evaluating the Impacts of Land Use on Small Seepage Lakes.** Abstract and Presentation at the North American Lake Management Society 2004 Annual Meeting, Victoria, British Columbia.

McGinley, P. and R. Stephens. 2004. **Exploring groundwater phosphorus concentrations through private water supply testing.** Published abstract and poster presentation at the American Water Resources Association Wisconsin Chapter Annual Meeting, March 2004.

Baumann, J. and P. McGinley. 2003. **Poster Presentation: Arsenic Removal During Iron Treatment.** Wisconsin State Environmental Health Meeting, Fond du Lac, WI.

Baumann, J. and P.M. McGinley. 2003. **Arsenic Removal During Iron Treatment** published abstract

and poster presentation at the American Water Resources Association Wisconsin Section Meeting, Lac du Flambeau, February, 2003.

McGinley, P.M, N. Turyk and W. Halverson. 2003. **Reaching Out with Science to Help Communities Make Decisions** *Proceedings of the 3rd Nonpoint Source Pollution Information & Education Conference*, Chicago, IL, October 20-23, 2003.

Dechamps, A., N. Turyk, and P. M. McGinley. **Calcium and Phosphorus in a Hardwater Eutrophic Lake**. 2003. presentation and published abstract at the 27th Annual Meeting of the American Water Resources Association, Wisconsin Section. Lad du Flambeau February, 2003.

Dechamps, A., P.M. McGinley and N. Turyk. 2002. **The influence of calcium carbonate on the phosphorus in the water column of a hard water lake**. Abstract and presentation at North American Lake Management Society 2002 Annual Meeting, Anchorage, Alaska.

McGinley, P.M. 2000. **Evaluating the Importance of Watershed Size and Land Use on Water Quality in Urban Lakes**. Poster presentation and published abstract in the proceedings of the Joint Conference on Water Resources Engineering, July/August, 2000, Minneapolis, MN.

McGinley, P.M. and R. Gruzsky. 1997. **Desorption of Trichloroethylene from Sedimentary Rock in Laboratory Columns**. Published abstract and presentation at the Spring Meeting of the American Geophysical Union, Eos.

McGinley, P.M. and S. Kesarju. 1996. **Organic Contaminants in Sedimentary Rock Systems – Experimental Evaluation of Sorption in Limestones and Shales**. *Proceedings of the Fourth Great Lakes Geotechnical/Geoenvironmental Conference on In-Situ Remediation of Contaminated Sites*, Chicago IL.

McGinley, P.M. **Sorption Isotherm Nonlinearity and Contaminant Removal from Soils**. 1992. *Proceedings of the American Chemical Society, Division of Industrial and Engineering Chemistry, September, 1992*.

McGinley, P.M., L.E. Katz, and W.J. Weber, Jr. 1992. **Competitive Sorption of Hydrophobic Organic Compounds During Multi-component Transport in Subsurface Soil Systems**. Published abstract and presentation at the American Geophysical Union Meeting, San Francisco, CA.

PROJECT REPORTS

Timm, A. and P. McGinley. 2011. **SWAT Model for Mill Creek, Portage and Wood Counties, Wisconsin**. Report from the Center for Watershed Science and Education for the Wisconsin Department of Natural Resources. 55 pp.

Superior Wetlands Oversight Group (P. McGinley, ed.). 2011. **Evaluating the Importance of Wetlands in Flood Attenuation: A Review and Case Study**. A report prepared for the Wisconsin Department of Natural Resources, 33 pp.

McGinley, P.M. and others. 2011. **Estimating the Flood Attenuation Characteristics of Wetlands, User's Guide to Applying a 1-D Stormwater Flow Model SWMM5 for a Planning-Level Evaluation of the Water Storage Potential of Urban Wetlands**. Prepared for the Wisconsin Department of Natural Resources. 18 pp.

James, W.F., A. DeChamps, N. Turyk, and P. McGinley. 2007. **Importance of Potamogeton crispus Decay to the Phosphorus Budget of McGinnis Lake, Wisconsin.** APCRP Technical Notes Collection. ERDC/TN APCRP-EA-15. Vicksburg, MS: U.S. Army Engineer Research and Development Center. www.wes.army.mil/el/aqua.

N Turyk, P. McGinley and K. Rasmussen. 2004. **Bettering the Branch: An Overview of Current Conditions Habitat, Water Quality and General Morphology.** *Final Report to the Friends of the Branch River and the WDNR.*

Turyk, N., P. McGinley, R. Bell and L. Hennigan. 2004. **Mirror and Shadow Lakes: An Interpretive Analysis of Water Quality, Waupaca, Wisconsin.** *Final Report Submitted to the WDNR.*

Dresen, M., P. McGinley, E. Olson, and J. Folstad. 2004. **State of the Long Lake Watershed.** *Final Report for the Long Lake Preservation Association.*

McGinley P.M. and N. Turyk. 2003. **Assessment of Water Quality, Sediment, Groundwater, and Tributaries of Easton Lake, Adams County, Wisconsin.** *Report Submitted to the WDNR.*

Dechamps, A., N. Turyk, P. McGinley, R. Bell. 2003. **An Evaluation of McGinnis Lake, Adams County, Wisconsin.** *Draft Report for Adams County/WDNR.*

Dechamps, A. N. Turyk, P. McGinley. 2003 **Water Quality Assessment of Pine Lake, Waushara County, Wisconsin.** *Final Report Submitted to the WDNR.*

Cramlet, R., N. Turyk, and P. McGinley. 2003. **An Evaluation of Water Quality Conditions of Loveless Lake, Polk County, Wisconsin.** *Final Report Submitted to Polk County.*

Central Wisconsin Groundwater Center, 2002. **Sources of Water for Community Water Systems in Central Wisconsin** (prepared by P. McGinley, G. Kraft and D. Mechenich). *Report to the Wisconsin Department of Natural Resources.*

Matsumoto, M.R., J.N. Jensen, P.M. McGinley, and B.E. Reed. 1994. **Physicochemical Processes** (Annual Review), *Water Environment Research*. 66:309-324.

McGinley, P.M. 1994. **Pathway Analysis of Contaminant Fate and Transport for Generic Soil Standards and Application to Kentucky Underground Storage Tanks.** *Report prepared for the Kentucky Water Resources Research Institute.*

Matsumoto, M.R., J.N. Jensen, P.M. McGinley, and B.E. Reed. 1993. **Physicochemical Processes** (Annual Review), *Water Environment Research*. 65:309-324.

Matsumoto, M.R., P.M. McGinley, B.E. Reed and J.N. Jensen. 1992. **Physicochemical Processes** (Annual Review), *Water Environment Research* 64:337-346.

McGinley, P.M. and P. Kmet. 1984. **Formation, Characteristics, Treatment and Disposal of Leachate from Municipal Solid Waste Landfills.** Wisconsin Department of Natural Resources Special Report. 288 pp.