

US EPA ARCHIVE DOCUMENT

Reference Materials and Weblinks

State Level Nutrient Reduction Strategies Workshop—Agricultural Component Hyatt Regency Columbus June 13–15, 2011

(Weblinks last accessed June 10th, 2011 unless otherwise noted)

Fertilizer as a Component of Sustainable Crop Production Systems, *Lara Moody*

- 4 Nutrient Stewardship website, <http://www.nutrientstewardship.com/>

Voluntary and Regulatory Approaches to Reducing Nutrients: Lessons Learned from the Chesapeake Bay and the Mississippi River Basin, *Michelle Perez*

- Does the Policy-making Process Affect Farmer Compliance? A Three-State Case Study Of Nutrient Management Regulations, by Perez, Michelle R., Ph.D., UNIVERSITY OF MARYLAND, COLLEGE PARK, 2010, 703 pages; 3409721 (dissertation), <http://gradworks.umi.com/34/09/3409721.html>
- Facing Facts in the Chesapeake Bay (Snapshot report of available state and federal regulations addressing nutrient and sediment pollution in six Bay states), <http://www.ewg.org/files/chesapeake-bay-pollution.pdf>
- Seizing a Watershed Moment: Making EQIP Work for Water Quality in 10 Mississippi River States (Snapshot report of how well designed ten EQIP programs are to achieve cleaner water), <http://www.ewg.org/files/09EWG-EQIP-Summary-Report.pdf>
- Cultivating Clean Water: State-based Regulation of Agricultural Runoff Pollution (ELPC and MRC's report that focuses mainly on the MRB states), <http://elpc.org/wp-content/uploads/2010/03/ELPC-Cultivating-Clean-Water-Report.pdf>
- How Nutrient Trading Could Help Restore the Chesapeake Bay, http://pdf.wri.org/working_papers/how_nutrient_trading_could_help_restore_the_chesapeake_bay.pdf. Accessed June 28, 2011.

Using Monitoring & Modeling to Track Progress & Evaluate Success, *Steven Dressing*

- L.M. Reid. 2001. The epidemiology of monitoring. *J. AWRA* 37(4):815-820.
- Alexander, et al. 2008. Differences in Phosphorus and Nitrogen Delivery to the Gulf of Mexico From the Mississippi River Basin. *Environmental Science and Technology* 42:822-830.
- Robertson, et al. 2009. Incorporating Uncertainty Into the Ranking of SPARROW Model Nutrient Yields From Mississippi/ Atchafalaya River Basin Watersheds. *Journal of the American Water Resources Association (JAWRA)* 45(2):534-549.)
- Richards, R.P., D.B. Baker, and J.P. Crumrine. 2009. Improved water quality in Ohio tributaries to Lake Erie: a consequence of conservation practices, *Journal of Soil and Water Conservation*, 64(3):200-211.
- A Science Strategy to Support Management Decisions Related to Hypoxia in the Northern Gulf of Mexico and Excess Nutrients in the Mississippi River Basin, Circular 1270, USGS, 2004.

Prepared by the Monitoring, Modeling, and Research Workgroup, Mississippi River/Gulf of Mexico Watershed Nutrient Task Force.

- Harmel, R.D., D.R. Smith, K.W. King, and R.M. Slade. 2009. Estimating storm discharge and water quality data uncertainty: A software tool for monitoring and modeling applications, *Environmental Modeling & Software* 24: 832–842.
- Walker, W.W. 2001. Quantifying uncertainty in phosphorus TMDL's for lakes. New England Interstate Water Pollution Control Commission and U.S. Environmental Protection Agency Region 1, Lowell, MA.
- SPATIally Referenced Regression on Watershed attributes (SPARROW), <http://water.usgs.gov/nawqa/sparrow>
- Chesapeake Bay Watershed Model, <http://www.chesapeakebay.net/model.htm>
- Modeling Challenges, http://www.wsi.nrcs.usda.gov/products/w2q/h&h/tools_models/wintr55.html
- Montana State University Environmental Statistics Group, <http://www.esg.montana.edu/>
- EPA Requirements for Quality Assurance Project Plans, <http://www.epa.gov/quality/qs-docs/r5-final.pdf>
- Guidance for Quality Assurance Project Plans for Modeling, <http://www.epa.gov/QUALITY/qs-docs/g5m-final.pdf>
- USGS Streamflow Stations, <http://il.water.usgs.gov/>
- Choosing a Model, http://it.tetrattech-ffx.com/steplweb/STEPLmain_files/LoadReductionModels.pdf
- Handbook for Developing Watershed Plans to Restore and Protect Our Waters, USEPA, http://water.epa.gov/polwaste/nps/handbook_index.cfm
- AnnAGNPS Model, www.ars.usda.gov/research/docs.htm?docid=5199
- STEPL Model, <http://it.tetrattech-ffx.com/steplweb/>
- GWLF Model, <http://www.avgwlf.psu.edu/>
- HSPF Model, <http://www.epa.gov/ceampubl/swater/hspf/>
- SWAT Model, <http://swatmodel.tamu.edu/>

Kentucky's Ag. Water Quality Plan, Steve Coleman

- Kentucky's Ag. Water Quality Plan, <http://warehouse.ca.uky.edu/AWQP2000/index.html>. Accessed June 27, 2011.
- Kentucky's Agriculture Water Quality Act, <http://conservation.ky.gov/Pages/default.aspx>
- <http://conservation.ky.gov/Pages/AgricultureWaterQuality.aspx>

Wisconsin's NR 151, Andrew Craig

- Wisconsin DNR Agriculture Runoff, <http://dnr.wi.gov/runoff/ag>
- Wisconsin DNR Ag Performance Standards, <http://dnr.wi.gov/runoff/ag/perfstds.htm#standards>

- Implementing Wisconsin DNR Agricultural Performance Standards, <http://dnr.wi.gov/runoff/ag/standards>
- Wisconsin Phosphorus Index, <http://wpindex.soils.wisc.edu>
- SNAP-Plus software, www.snapplus.net
- Wisconsin Buffer Initiative, <http://www.nelson.wisc.edu/people/nowak/wbi>

Striving for Efficient Use of Nutrients, Karen Scanlon

- CTIC's web site, www.ctic.org
- Ag nutrient mgmt success stories, <http://UpstreamHeroes.org>
- Indian Creek Project, www.ctic.org/indiancreek/. Accessed June 27, 2011.
- Conservation in Action Tour website, www.ctic.org/ciatours/. Accessed June 27, 2011.

Scientific Axioms, Pete Nowak

- Treves et al., 2011. Bioscience Vol. 61 No. 6. p455

Available Data and Constraints for Sharing, John Wilson

- US Department of Justice website, www.usdoj.gov. Accessed June 27, 2011.

Nutrient Trading Marketplace: What's Getting in the Way?, Mark Gibson

- “How Nutrient Trading Can Help restore the Chesapeake Bay,” December 2009, World Resources Institute.
- “Comparison Tables of State Nutrient Trading Programs in the Chesapeake,” May 2011, World Resources Institute.
- “Nutrient Summit Outcomes and Issue Paper,” National Association of Clean Water Agencies, March 2011.
- “Nutrient Trading in the Chesapeake Bay Region: An Analysis of Supply and Demand,” Pinchot Institute, March 2010.
- “Nutrient Bio-assimilation Capacity of Aqua-cultured Oysters: Quantification of an Ecosystem Service,” Higgins, et al, Journal of Environmental Quality, December 2010.
- “Newport News Stormwater Bills May Increase By 35% or More in 2012,” James River Journal, March 30, 2011.
- Maryland Nutrient Trading, <http://www.mdnutrienttrading.com/farmers/q1.php> . Accessed June 27, 2011.
- “Environmental Credit Trading: Can Farming Benefit?” <http://www.ers.usda.gov/AmberWaves/February06/Features/FeatureUpdate.htm>. Accessed June 27th, 2011.

Involving The Growers, Tracy Blackmer

- Iowa soybean Association, www.iasoybeans.org. Accessed June 28, 2011.
- On-Farm Network, www.isafarmnet.com. Accessed June 28, 2011.
- Ag Technology and Environmental Stewardship Foundation, www.agtechonfarm.net. Accessed June 28, 2011.

Soil and Water Conservation Society, Jim Gulliford

- [Soil and Water Conservation Society, http://www.swcs.org](http://www.swcs.org). Accessed June 28, 2011.

Additional Links:

- (Iowa) Cedar River Watershed Coalition website, <http://iowacedarbasin.org/cedar/>. Accessed June 28, 2011.