

Speaker Biographies

Brian Brandt, American Farmland Trust

Brian Brandt is Director of American Farmland Trust's Agricultural Conservation Innovation Center (ACIC), which works to develop market-based incentives to promote adoption of conservation practices by farmers. Brian has played an integral role in a multi-disciplinary effort to develop innovative risk management tools to increase the adoption of best management practices. Specifically, he spearheaded the development of the BMP Challenge guarantee program. He is also coordinating the development of a water quality trading program in the Sauk River Watershed in Minnesota.

Brian brings to ACIC an intimate knowledge of production agriculture having been raised on a hog and cash grain farm in west central Ohio and is still actively involved managing the family farm.

Thomas Davenport, US Environmental Protection Agency

Mr. Davenport currently serves as EPA Region 5 Agricultural Advisor and National Nonpoint (NPS) Source Expert. Mr. Davenport provides technical and program assistance to the watershed, urban storm water wetlands, lakes, TMDL and NPS programs nationally. He administers the Section 319 national Monitoring Program, which is a pioneering effort to monitor the effectiveness of best management practices over a 6 to 10 year time frame. He serves on various national and international workgroups related to nonpoint source and watershed management. Mr. Davenport serves as the Water Program lead for the State Department's Great Lakes/Baltic Seas Watershed Management Capacity Building Project. He is residence faculty and co designer for the Watershed Partnership Seminar managed by Office of Personal Management. He has served in various management roles at both the Regional and National levels.

Douglas *Dusty* Hall, Miami Conservancy District

Dusty joined The Miami Conservancy District in 2002 and is currently the Manager of Program Development. Prior to joining the Conservancy, Dusty served for 15 years as a manager and executive with the City of Dayton and for 10 years as a research scientist with the University of Dayton Research Institute.

Dusty is experienced in developing programs to enhance water resources ranging from source water protection to storm water management. He is currently working with market-based approaches to improving surface water quality. In 1999, Dusty was named as one of seven National Drinking Water Heroes by the U.S. EPA.

He holds a Master of Science from the University of Dayton, Bachelor of Science from Wright State University, and he is a graduate of the Senior Executive Institute at the University of Virginia.

Sarah Hippensteel, Miami Conservancy District

Sarah is the Program Development Specialist for the Miami Conservancy District where her main focus is developing new programs. She coordinates and interacts with community members, federal, state, and local agencies, businesses, and agricultural producers throughout the Great Miami River Watershed – a fifteen county region in Southwest Ohio. Using effective partnerships she has successfully raised nearly \$8 million dollars to use on water quality improvements in the watershed in just 3 years.

Sarah is currently earning a Doctorate in Leadership and Change from Antioch University. She has a Master of Arts degree from Antioch University Seattle in Environment and Community and a Bachelor of Science degree from The Ohio State University in Watershed Resource Policy and Planning.

Prior to working for the Miami Conservancy District her experience includes government, private industry, and nonprofit organizations. She served as the Executive Director of the Little Miami River Partnership, an Environmental Information Specialist for YSI, Inc., the Hoosier Riverwatch Coordinator for the Indiana Department of Natural Resources, and an Environmental Manager for the Indiana Department of Environmental Management.

Peter Hughes, Red Barn Trading Company

Peter Hughes grew up on his families' 2,500 acre dry land wheat farm in Washington State. After graduating with honors from Washington State University with a degree in Natural Resource Science and Biology, Peter moved to Western Australia where he worked on a 25,000 acre crop and sheep farm outside of Perth for two years.

In 2000 Peter joined Brubaker Consulting Group in Ephrata Pennsylvania as project leader and manager of the companies' geographical information system and nutrient management division. In 2001 Peter left Brubaker Consulting Group and formed Red Barn Consulting Inc. with his wife Molly, a professional engineer. Red Barn is an agricultural consulting and engineering firm based in Lancaster PA with a branch office in Juniata County PA.

Red Barn Consulting services agricultural clientele in Pennsylvania, New York, Maryland, North Carolina, and Texas. Its core business services over 600 farm clients located within the Chesapeake Bay Watershed. The core mission of Red Barn Consulting is assisting farms in exceeding water quality standards through on farm nutrient control. To help facilitate the relationship between point-source and non-point source nutrient credit trading Hughes started Red Barn Trading Company in late 2005. To date Red Barn Trading Company is the only privately held entity with certified nutrient credits in the Commonwealth of Pennsylvania. Red Barn Trading Company is the only entity who has brokered point to non-point credit sales in the Commonwealth.

Cy Jones, World Resources Institute

Cy Jones works in the World Resources's People and Ecosystems Program where he leads the Water Quality Trading Initiative for the Chesapeake Bay watershed. The goal of this initiative is

to advance market-based efforts to reduce nutrient pollution impacting the Chesapeake Bay watershed and to promote the development of a framework for interstate nutrient trading. Cy is also leading a WRI effort to promote the use of market-based methods for water pollution control in China.

Prior to joining WRI, Cy had a 24 year career with the Washington Suburban Sanitary Commission in Laurel, Maryland, where he managed the regional and regulatory affairs of the water and sewer agency. After retiring from WSSC, he joined the engineering firm of CH2M HILL where he worked to develop nutrient trading programs in Virginia, Maryland, and North Carolina.

Cy has a BA in Zoology and a MS in Environmental Engineering from the University of Iowa.

Mark Kieser, Environmental Trading Network

Since 2001, Mr. Kieser has served as Acting Chair of the Environmental Trading Network (ETN), a non-profit clearinghouse for water quality trading program information. He is also Senior Scientist and principal of the Kalamazoo, Michigan-based firm of Kieser & Associates, LLC. Mr. Kieser has 22 years of environmental consulting experience in addition to three years of academic research on water resource issues. Mr. Kieser is broadly recognized for his expertise in market-based environmental strategies, particularly through his work on water quality trading with U.S. EPA, USDA, states, watershed organizations, and the governments of Japan and Canada. He has been involved in water quality trading program and policy development for over a decade.

Mr. Kieser holds a Bachelor of Science degree in Biological Sciences from Wittenberg University in Springfield, Ohio and a Master of Science degree from Michigan Technological University in Biological Sciences.

James Klang, PE, Kieser & Associates, LLC

Jim Klang, PE is a Senior Project Engineer at Kieser & Associates, LLC. His expertise is in watershed management and market-based incentive approaches such as water quality trading. Before joining Kieser and Associates, LLC in 2006, Mr. Klang was the Principal Engineer for TMDL activities and water quality trading at the Minnesota Pollution Control Agency. Jim has worked on watershed management and water quality issues for over 20 years.

Timothy Lohner, PhD, American Electric Power

Dr. Lohner is a principal environmental specialist in the Environmental Services Division of American Electric Power (AEP), one of the largest electric utilities in the country, based in Columbus, Ohio. He received his Ph.D. and M.S. degrees in environmental toxicology from The Ohio State University in 1987 and 1983 and his B.S. degree in biology from the University of Cincinnati in 1981 with College Honors, *Magna Cum Laude*. He manages studies to evaluate the potential environmental health impacts of power generating facilities and participates in the development of environmental regulations. Prior to joining AEP, Dr. Lohner was employed by Virginia Power, the Ohio Environmental Protection Agency, and the Cincinnati Gas & Electric

Company. He is co-author of the book, "Sound Science, Junk Policy, Environmental Health Science and the Decision-Making Process," and has published numerous articles on aquatic toxicology, risk assessment, and environmental policy.

Dennis O'Grady, South Nation Conservation Authority

Dennis O'Grady has managed watersheds for Conservation Authorities across Ontario for 28 years. For the past 21 years, he has been the General Manager of South Nation Conservation, a 4,000 sq. km. watershed covering 15 municipalities. The 50 staff at South Nation deliver a wide variety of programs in groundwater protection, forestry, fisheries, water quality, flood and erosion control and land use planning.

The South Nation River Watershed's trading program for phosphorus started 10 years ago and it has completed over 200 verifiable trades. South Nation recently completed a contract for the Province of Ontario detailing how to implement a phosphorus trading program in the Province.

Mr. O'Grady has a Masters Degree in Public Administration from Queen's University in Kingston, Ontario, and an undergraduate degree in Geography from the University of Western Ontario in London, Ontario.

Gary Stuhlfauth, Ohio Environmental Protection Agency, Division of Water

Gary Stuhlfauth is with Ohio EPA's Division of Surface Water. He has worked in the NPDES permit program for the past 19 years, primarily writing discharge permits for major municipal wastewater plants. In addition to permit-related work, he was responsible for writing Ohio EPA's rules for water quality trading. Other areas that Gary is involved in include participating on various total maximum daily load teams, addressing sewer overflows and implementing Ohio's mercury variance rule.