

## **GREEN REMEDIATION, April 10**

### **Is Your Cleanup Green? Compare Using the New ASTM Greener Cleanups Standard Guidance (ASTM E2893)**

**Nancy Zikmanis:** (CHMM, Environment Supervisor, Ohio Environmental Protection Agency – Northeast District Office) Nancy Zikmanis has been working for the Ohio Environmental Protection Agency, Northeast District Office, for over twenty three years. She currently is an Environmental Supervisor in the Division of Environmental Response and Revitalization (DERR) in Northeast District Office, Twinsburg, Ohio. Nancy's duties currently include the oversight of staff working on Federal Facility projects, Remedial projects, Site Assessment projects, Brownfield projects, and Voluntary Action Program (VAP) projects and she is the Clean Ohio Fund and Environmental Insurance Coordinator for Northeast District Office.

Prior to become a supervisor, she worked in DERR for eighteen years as a project coordinator. Nancy has provided oversight of investigations and cleanup at many major remedial response, brownfield, and VAP projects within the Northeast District. Nancy has held the position of sampling and quality control coordinator and has assisted in writing Data Validation guidance for Ohio EPA. Prior to working in DERR, Nancy worked for three years as a hazardous waste inspector in the Division of Hazardous Waste Management at the Northeast District Office and was a laboratory analyst for an environmental laboratory in Cleveland, Ohio. Nancy has an MBA in Sustainability and a Bachelor of Science degree in Biology with a minor in Chemistry. She is a Certified Hazardous Materials Manager and a Certified Public Administrator. Nancy holds membership in the Environmental and Sustainability workgroups for the American Society for Testing & Materials (ASTM) which develops national and international guidance on industrial standards.

**Brad Bradley** works for the U.S. EPA Region 5 in Chicago in the Brownfields program as a project officer/project manager. Brad is also the EPA Region 5 Superfund Greener Cleanup Coordinator. Brad has worked at EPA for over 30 years, including 22 years as a Superfund Remedial Project Manager. He received a B.S. in Environmental Engineering from the New Mexico Institute of Mining and Technology in 1982.

**Cannon Silver, P.E.**, is a Principal Environmental Engineer with CDM Smith. CDM Smith is a consulting, engineering, construction and operations firm that provides full-service solutions in water, environment, transportation, energy and facilities to public and private clients worldwide. Mr. Silver has worked in the environmental field since 1994, conducting remedial designs and actions at over 30 sites. He has authored or co-authored more than 15 technical presentations on innovative technologies. He served on the Interstate Technology & Regulatory Council (ITRC)'s Permeable Reactive Barrier (PRB) Update Team, including as an internet-based training instructor. He served on an ASTM committee and helped develop ASTM E2893-13: Standard Guide for Greener Cleanups.

Mr. Silver earned a B.S. in Engineering Sciences from Harvard University in 1993, and an M.S. in Civil Engineering (Environmental Engineering) from Stanford University in Palo Alto, CA in 1994. He is a registered professional engineer in California, Michigan, Ohio, Utah, and Virginia. He is also an Ohio EPA's Voluntary Action Program (VAP) Certified Professional.

### **Cultivating Community Partnerships to Sustain Community Gardening on Restored Brownfields**

**Kevin Svitana:** (PhD, Otterbein University) Dr. Svitana an associate professor at Otterbein University, teaches environmental science classes, several of his classes involve evaluations of issues related to Brownfield redevelopment. Dr. Svitana is a CP, he also does consulting work with Stone Environmental Engineering & Science, Inc. Prior to working at Otterbein (2007), Dr. Svitana spent more than 25 years as a hydrogeologist for environmental consulting firms in Pennsylvania and Ohio. Dr. Svitana's experience ranges from assessing water impacts from coal mining to design of treatment systems to mitigate hazardous waste impacts on groundwater.

Dr. Svitana has a PhD in geochemistry from The Ohio State University, a master's degree from West Virginia University and a bachelor's degree from Juniata College.

**Melissa Kesler Gilbert:** (Associate Dean, Otterbein University) Melissa is the Associate Dean of Experiential Learning at Otterbein University and the founding Director of the university's Center for Community Engagement. Melissa leads the university's efforts to serve the community through student volunteerism, community-based research, and service-learning courses. In 2010, she established The Otterbein Community Garden & Wetlands, a learning landscape and community research site built on a restored Brownfield. Last year, the garden won Franklin Park Conservatory's Growing to Green Education Garden of the Year Award. Melissa has been honored to serve since 2008 as one of ten National Engaged Scholars for New Perspectives in Higher Education for Campus Compact.

Melissa has a Ph.D. in Sociology from Boston College, and a M.A. in Applied Sociology from University of Maryland, Baltimore. She has published numerous articles and book chapters in the fields of service-learning and civic engagement, and has been the Principle Investigator on over 40 federal, state, and private grants.

### **Bamboo and Brownfield Remediation - PDHUs**

**Cameron Langille:** (Research Assistant, The Design Driven Manufacturing (DDM) Initiative at UVA) Cameron Langille is a second year graduate student in the Department of Urban and Environmental Planning at the University of Virginia. Since 2012, Langille has worked as an Associate at the Institute for Environmental Negotiation (IEN). The IEN assists a variety of public, private, and nonprofit clients with developing environmental conflict resolution strategies. Since 2013, Langille has served as the Research Assistant to Dr. Suzanne Morse Moomaw and Dr. Jeana Ripple at the DDM Initiative to identify environmentally sustainable uses for bamboo in Virginia. The primary focus of this work has been analyzing the potential for incorporating bamboo into brownfield remediation strategies.

Langille holds a B.A. in History, with Minors in Philosophy and Religious Studies, from Christopher Newport University. He will be receiving a Master's degree in Urban and Environmental Planning from the University of Virginia in May 2014.

## **Phytoremediation and Bioremediation on Brownfields - PDHUs**

**Jordan R. Rofkar:** (Ph.D., Research Assistant Professor, The University of Toledo) Jordan Rofkar currently serves as a Research Assistant Professor in the Department of Environmental Sciences at the University of Toledo. Jordan is a member of the Environmental Remediation and Restoration Lab, led by Dr. Daryl F. Dwyer. Their research has incorporated ecological restoration, using native plants, into remediation of contaminated soil and water in northwest Ohio. They are currently applying their research principles on two GLRI-funded projects in northwest Ohio.

Jordan has a B.S. degree in Ecology and Evolutionary Biology from the University of Arizona and an M.S. and Ph.D. in Biology from the University of Toledo. Jordan has taught courses in phytoremediation and ecological restoration.

**Marc Gerdeman:** (Industrial Waste Control Specialist, City of Toledo) Marc Gerdeman manages Toledo's brownfield program. He is a trained environmental professional with experience in brownfield assessment and remediation activities, procurement for professional services and contractors, project oversight, document management, and public outreach activities. Marc's significant grant and program management experience includes the 2013 U.S. EPA Area-Wide Planning Grant, 2012 U.S. EPA Coalition Assessment Grant, 2012 Brownfield Workforce Development and Job Training Grant, 2012 USFS Great Lakes Restoration Initiative (GLRI) Phytoremediation Grant, 2012 USFS GLRI Tree Canopy Grant, 2011 Plabell Rubber CORF, 2011 Uptown Park CORF, and the 2010 U.S. EPA GLRI Scrap Yard Grant.

Marc has a B.S. degree in Environmental Science with an emphasis in water quality from Bowling Green State University. Marc has worked at the Toledo Division of Environmental Services for more than eight years.

**Brad S. White** (Ph.D., PG, Vice President of Brownfields, Hull & Associates, Inc.) Brad White is a Vice President at Hull with more than 23 years of diverse experience in the environmental industry. As Vice President of Brownfields at Hull, he serves as the managing partner for the special-purpose entities that acquire and redevelop brownfield sites. In this capacity he oversees all aspects of the property transaction, through negotiation, financing, cleanup, and redevelopment. He also assists the firm's local, state, and federal clients, industrial clients, and partner affiliates in projects related to site development and real estate transaction on brownfields.

Brad is a VAP Certified Professional and is a licensed Professional Geologist. Prior to entering the environmental profession, he was on the faculty of the California Institute of Technology in the Division of Geological and Planetary Sciences. Brad holds a doctorate in Geochemistry from the University of California and a Bachelor of Science in Geology from Indiana University.

### **Clearing Brownfields for Green Infrastructure: Cincinnati's Lick Run Project**

**Diana Christy:** (Environmental Compliance Manager, City of Cincinnati) Diana Christy serves as the Environmental Compliance Manager for the City of Cincinnati's Office of Environment and Sustainability. Diana provides risk management on a variety of high profile Brownfield projects and works closely with consultants to develop remedial action plans. She plays an integral role in applying for assessment and cleanup grants and managing ongoing projects. And, she provides guidance and risk management to City departments in all areas of environmental compliance, including real estate transactions. Diana is also developing waste reduction policies and is currently spearheading efforts to bring waste-to-energy projects to the City. Diana earned her bachelor's degree in Environmental Chemistry from the University of North Carolina - Wilmington. She is an Ohio-licensed attorney, previously representing the private sector as an associate in the Environmental Practice Group of Frost Brown Todd LLC in Cincinnati.

**Erica M. Spitzig:** (Associate, McMahon DeGulis LLP) Erica M. Spitzig, a native of Cincinnati, leads the McMahon DeGulis LLP Cincinnati office. Erica is admitted in Kentucky and Ohio with practice experience in both states. Erica's practice focuses on the many facets of water law, particularly as they relate to public water systems, water quality, drinking and groundwater issues, and surface water. She has experience with a variety of regulatory issues including construction stormwater permitting, 401 certification, and stream incident reporting. Erica also assists municipalities and private parties with the negotiation and resolution of water-related administrative and enforcement matters. Erica received her BA in Political Science from Franciscan University of Steubenville in 2003 and received her JD, from Georgetown University Law Center in 2009.

### **Waste Site to Renewable Energy Industry – Brownfield Redevelopment Challenge**

**Mark J. Quimby** (Senior Project Consultant, SME) Mark Quimby is a project manager at SME specializing in brownfield redevelopment projects. Mr. Quimby and SME provide brownfield, environmental, geoscience, and facilities engineering consulting services to clients throughout the Midwest. Mr. Quimby helps clients overcome financial, logistical, regulatory, and environmental risk hurdles to make deals happen. Mark has over nine years of experience navigating the complex interplay between regulations, brownfield site conditions, incentive procurement and management, and implementation of remediation/construction activities. Mark manages projects through preliminary incentive packaging, site characterization and cleanup, and environmental/construction integration. Projects have included redevelopment of state, RCRA, TSCA, and RACER Trust sites into award-winning residential, commercial, and industrial uses.

Mark has a B.S. in Physics from the University of Windsor.