

Wednesday, October 23rd

2:00 PM Floodplain Management Workshop

Michelle Staff, CFM, Wisconsin Department of Natural Resources

Michelle Staff is the Statewide Floodplain Policy Coordinator for the Wisconsin Department of Natural Resources. She coordinates federal, state and local floodplain development regulations as well as the National Flood Insurance Program for nearly 550 Wisconsin communities. Her duties also include assisting with the coordination of floodplain mapping, flood disaster response, and flood mitigation activities in Wisconsin. Prior working for the WDNR, she worked 20 years in county government in the administration and enforcement of zoning, floodplain, land division, sanitation, and subdivision ordinances. During the 2008 flooding event, Michelle conducted over 500 substantial damage assessments and issued hundreds of land use permits for flood damage repairs. She saw firsthand how a flooding disaster can impact a community. She has a BS in Geography/Geology from UW-Whitewater and Master of Public Administration (MPA) from UW-Oshkosh. She is a Certified Floodplain Manager through the National Association of Floodplain Managers.

Thursday, October 24th

9:00 AM Opening Plenary

Update from ASFPM, Chad Berginnis, ASFPM Executive Director

Chad Berginnis became executive director of ASFPM in July 2012, after joining the association staff as associate director in 2011. Since 2000, he served the association as Insurance Committee chair, Mitigation Policy Committee coordinator, vice chair and chair. He has a Bachelor of Science in natural resources from Ohio State University. Since 1993, his work has focused on floodplain management, hazard mitigation and land use planning at the state, local and private sector level. As a state official, Berginnis worked in the Ohio Floodplain Management Program and was Ohio's state hazard mitigation officer. As a local official, Berginnis administered planning, economic development and floodplain management programs in Perry County, Ohio. In the private sector, he was the national practice leader in hazard mitigation for Michael Baker Jr. Inc.

10:30 AM Breakout Sessions

Trees & Water Sensitive Urban Design

Shane Carpani, GreenBlue Urban

Shane Carpani works with landscape architecture and urban design organizations across North America to advance the education of low impact development amongst industry professionals. By focusing in this area, he ongoingly contributes to the expansion of green infrastructure practices throughout the US and Canada, assisting urban design professionals in drastically improving sustainability through the establishment of low impact development schemes, including sustainable stormwater management and urban tree planting.

Permeable Pavers and the Permeable Pavement Test Plot in Madison, WI

Pat Brennan, County Materials

Patrick Brennan is an Architectural Representative for County Materials in Waukesha WI. Covering southeastern Wisconsin, Pat collaborates with Architects, Contractors, Engineers and Building Owners regarding the attributes of County Materials products. A Marquette University graduate, Pat has had an

extensive career in the construction supplies industry covering everything from pavers to roofing. When not at work, Pat enjoys playing hockey, bike riding and time with his wife and three grown children.

Pilot Projects in Wisconsin: Moving Nature-Based Flood Solutions Forward

Katie Sommers, Wisconsin Emergency Management

Katie Sommers is a Certified Floodplain Manager with nine years of experience in hazard mitigation and floodplain management. She served as Wisconsin's State Hazard Mitigation Officer for three years before moving into the Hazard Mitigation Section Supervisor position she presently occupies at Wisconsin Emergency Management. Katie has worked with federal, tribal, state, local, private, and non-profit representatives to implement hazard mitigation measures across the state. She has been active in national and state hazard mitigation and floodplain management organizations and events. She is the District 2 Chapter Director for the Association of State Floodplain Managers and administers the scholarship program for WAFSCM.

Buyout Projects After the 2018 Floods: Successes and Challenges

Margaret Zieke, Wisconsin Emergency Management

Margaret Zieke is a Hazard Mitigation Planner with Wisconsin Emergency Management. A skilled program manager, she is experienced in developing and managing hazard mitigation projects throughout the grant lifecycle. Margaret has worked in the State of Wisconsin's Emergency Operations Center for multiple disaster events, and has conducted post-disaster applicant briefings jointly with FEMA and State Public Assistance for multiple federally-declared disasters. She, in coordination with the Wisconsin State Hazard Mitigation Officer, works with subapplicants to formulate and develop high-quality and cost-effective mitigation projects, including providing a high level of technical assistance to subapplicants at the municipal, county, and state levels. Margaret previously worked with hazardous materials grants for the State of Wisconsin, and is a licensed amateur radio operator.

Making Green Infrastructure Accessible in Public Spaces: A MultiBenefits Project

Alyssa Schmitt, Stormwater Solutions Engineering

Alyssa is a Project Engineer at Stormwater Solutions Engineering (SSE), located at the Global Water Center in Milwaukee, Wisconsin. Alyssa graduated from the University of Wisconsin-Milwaukee in 2014 with a degree in Civil Engineering, and began her career at SSE shortly after. While at SSE, she has performed hydrologic analysis and green infrastructure design, and assisted on large scaled storm sewer and conveyance projects.

Alyssa serves as a Board Member for Southeastern Wisconsin Watersheds Trust, also known as Sweet Water, assists with Engineers Without Borders team mentoring, is a member of WAFSCM and Women of Water. When not at the office, Alyssa enjoys anything on the water, especially water skiing and boating or sailing.

Developing a Guidance Document to Manage Sump Pump Discharge

Kara Koch, Stormwater Solutions Engineering

Kara Koch received her Bachelor and Master of Science in Civil Engineering from the University of Wisconsin-Milwaukee and has her Professional Engineering license for the state of Wisconsin. Kara is a Senior Project Engineering at Stormwater Solutions Engineering, LLC specializing in green infrastructure design, hydrologic and hydraulic modeling, and construction management. Her project experiences involve conceptual site planning, full site design, modeling, permitting, community engagement, construction documentation, and oversight.

12:00 PM Lunch Plenary

Year of Clean Drinking Water

Todd Ambs, DNR Assistant Deputy Secretary

From 2003-2010, Todd was the DNR's Water Division administrator, where he was lead negotiator for the State of Wisconsin during the development of the Great Lakes Compact. Todd has worked in the environmental policy field for more than 30 years, most recently as the campaign director for Healing our Waters-Great Lakes Coalition.

His extensive experience in both state government and nonprofit organizations includes serving as executive director of two statewide river organizations, policy director for the Ohio Attorney General and senior policy analyst for the Wisconsin Department of Justice. Todd graduated from Eastern Michigan University in 1980 with a Bachelor of Science in Political Science/Speech.

1:00 PM Breakout Sessions

Substantial Damage: A Local Perspective

Reed Gaedtke, Manitowoc County

Reed started as an intern with Manitowoc County in 1998. He was hired into a full time position a year later and has been with the County ever since. He currently serves in the role of Code Administrator and has been appointed to administer floodplain regulations.

Madison's Response to the Catastrophic August 2018 Floods: Spring Harbor Watershed Study

Amber Lefers, AE2S

Amber Lefers is the Water Resource Practice Leader at AE2S – a water-focused engineering firm with over 250 employees throughout the Upper Midwest and Rocky Mountain regions. Amber has almost 20 years of experience, and has worked on a wide variety of water resource engineering projects with her favorite projects being complex hydrologic and hydraulic engineering.

MMSD's Voluntary Building Floodproofing vs. Acquisition Evaluation Policy and Case Study

Rich Klein, Stantec

Rich has 25 years of experience as a consulting civil engineer. His more interesting projects have focused on flood risk reduction and stream corridor improvement. These projects generally involve modifying watershed hydraulics using levees, ponds and sewers, and improving the floodplain and riparian corridor. He also spent several years on project teams designing combined sewer overflow (CSO) facilities, large diameter deep tunnels in rock, and smaller diameter sewer tunnels in soft ground. He most enjoys leading teams of talented engineers and specialists in developing solutions that tangibly benefit the communities with whom he works.

Green Infrastructure Plant Selection and Design Tool

Tom Price, Environmental Consulting & Technology, Inc.

Tom Price is a Water Resources Engineer and Senior Manager at Environmental Consulting & Technology. ECT recently acquired Conservation Design Forum, a multi-disciplinary planning and design firm composed of engineers, landscape architects and ecologists focused on sustainable green infrastructure solutions that integrate rainwater and landscape systems. ECT is also involved in a wide variety of aquatic and terrestrial landscape restoration and permitting activities for a range of organizations from forest preserve districts to power companies.

A significant focus of Tom's career has been on sustainable rainwater management approaches that address both the hydrologic and water quality impacts of development. Projects are designed to integrate water management systems throughout the site and into every surface rather than using more typical end-of-the-pipe solutions that collect and then detain stormwater. Integrated water management strategies include: bioretention systems such as green roofs, rain gardens, and bioswales; porous paving; rainwater collection and reuse; and naturalized conveyance and detention.

Building Code Effectiveness Grading Schedule

Dale Thomure, Manager of Community Hazard Mitigation, Verisk - ISO

Mr. Thomure is a Manager of Community Hazard Mitigation with ISO, a division of Verisk. In this capacity he is responsible for the implementation of the Building Code Effectiveness Grading Schedule (BCEGS) in North America. Mr. Thomure presents nationally on topics of building department operations and metrics for the evaluation of effective building code enforcement.

Prior to his tenure at ISO, Mr. Thomure worked for nearly 20 years in municipal government as a Community Development Director and as a Building Code Official. Dale is an ICC Certified Building Official and Certified by ASFPM as a Floodplain Manager and holds a degree in Construction Management. Mr. Thomure brings a unique national perspective that is informed by hyper-local experience in the field of building code enforcement and floodplain management.

2:30 PM Breakout Sessions

Larson Lagoon Water Quality

Dave Kraft, PE, CFM, CPESC, Hey and Associates

Dave Kraft has over 17 years of professional experience in civil and water resources engineering design, permitting, construction observation, contract administration, project management, and review. He has managed and been lead engineer on dozens of projects, including natural areas restorations, streambank stabilizations, hydrologic restorations, access improvements, trail design, stormwater management systems, roadway and parking design, urban flooding improvements, and general site development tasks. In addition to design, he has substantial experience with hydrologic and hydraulic modeling and all facets of water resources permitting. Mr. Kraft is a registered Professional Engineer in Illinois and Wisconsin, a Certified Floodplain Manager, and a Certified Professional in Erosion and Sediment Control. Mr. Kraft received a Bachelor of Science degree in Civil/Environmental Engineering from the University of Wisconsin at Madison.

Wildcat Creek - Storm Water Management in Urban Watershed

Terry Tavera, Ruckert & Mielke

Mr. Tavera is a Senior Project Manager with Ruckert & Mielke, Inc., and has over 25 years of experience with water resource issues. In addition to serving as a client contact to several municipalities in SE Wisconsin, he assists with planning, design and construction management for a wide variety of storm water and flood plain management projects. Terry has a Bachelor of Science degree in Civil Engineering from the University of Wisconsin-Madison. He is a Registered Professional Engineer in Wisconsin and Illinois, and is a Certified Floodplain Manager and Certified Professional in Erosion and Sediment Control.

Disaster Recovery Reform Act: Implications for Floodplain Manager

Katie Sommers, Wisconsin Emergency Management

Katie Sommers is a Certified Floodplain Manager with nine years of experience in hazard mitigation and floodplain management. She served as Wisconsin's State Hazard Mitigation Officer for three years before

moving into the Hazard Mitigation Section Supervisor position she presently occupies at Wisconsin Emergency Management. Katie has worked with federal, tribal, state, local, private, and non-profit representatives to implement hazard mitigation measures across the state. She has been active in national and state hazard mitigation and floodplain management organizations and events. She is the District 2 Chapter Director for the Association of State Floodplain Managers and administers the scholarship program for WAFSCM.

Streamflow Trends in Wisconsin

Guen Drewes, Wisconsin Emergency Management

Guen Drewes is a Disaster Response and Recovery Planner at Wisconsin Emergency Management. She holds a bachelor's degree from the University of Wisconsin-Whitewater in Physical/Environmental Geography with a minor in Geology. She enjoys studying natural hazards and her favorite movie is Twister.

Regenerative Storm Water Conveyance at CTH KR Roadway Expansion: Economics and Environment Can Both Win

Adrienne Cizek, Stormwater Solutions Engineering

Adrienne earned her PhD studying Regenerative Stormwater Conveyance (RSC) at North Carolina State University, working along-side the NC state extension, state and local water quality regulators, and engineering design firms. Adrienne's history involves designing innovative and integrated approaches to wastewater, graywater, stormwater, and rain water collection, treatment, and reuse including managing the installation of systems, permitting and outreach through workshops and training. Adrienne's role at Stormwater Solutions Engineering, involves Green Infrastructure design and community engagement as well as floodplain modeling, stormwater management plans, permitting, grant applications, and culvert design. Adrienne also serves as a team member developing WDNR technical guidance with the Standards Oversight Council, as well as leads a course at UW-Milwaukee School of Continuing Education. In her spare time, Adrienne enjoys running, gardening, and adventuring with her family.

Storm Drainage Concrete Structures

Clark Wantoch, Wisconsin Concrete Pipe Association and Brian Kolden, County Materials

Mr. Wantoch is a Registered Professional Engineer in Wisconsin and holds a Bachelor's and Master's Degree in Civil Engineering along with a Master's Degree in Business Administration. He is currently the Executive Director of the Wisconsin Concrete Pipe Association with a twelve-member Board of Directors who represent reinforced concrete pipe manufacturing plants within Wisconsin and Illinois. The primary function of the Association is to promote the benefits of reinforced concrete pipe within Wisconsin. Prior to this, Wantoch worked in Milwaukee's Department of Public Works for over 34 years, retiring as the Administration & Transportation Design Manager.

Clark has supported storm water management long before it became popular. In 1996, Clark designed and built, with the help of Parents, a 50' by 100' playground area for a church and school in Greenfield WI that acted as a French drain for runoff from adjacent soccer fields. In 1999, Clark was successful in removing a requirement in Milwaukee to connect homes and businesses when a new storm sewer was installed, provided no drainage problems existed. In 2008, Clark built an 80' long pond that fills with runoff from his home and wooded back yard. When flooded, the pond and wooded area act as a holding tank which is connected to and drains slowly into Milwaukee's storm sewer.

Brian Kolden is a Technical Resource Engineer for County Materials Corporation. Brian's main function is to educate and promote the use of concrete pipes and structures to the engineering, municipal and DOT communities. Additional roles include trouble shooting field issues and working out feasible solutions for all parties affected. Prior to joining County Materials Corporation, Brian spent 30 years on the contracting side working as an engineer on projects such as the Central Artery Tunnel Project (The Big Dig) in Boston, MA to the Deep Tunnel Project in Milwaukee, WI. Most of his career has been spent designing and installing earth support systems, large diameter structures and pipe systems and various infrastructure improvements. Brian earned a Bachelor of Science degree in Mining Engineering from the University of Wisconsin – Madison. He is a licensed professional engineer in civil with the State of Wisconsin.

3:45 PM Closing Plenary

Groundwater Pumping in Central Wisconsin

Jennifer McNelly, Portage County Water Resource Specialist

Jen McNelly is currently the Water Resource Specialist for Portage County. In her time with the County she has worked to address both groundwater quality and quantity issues within the County through a variety of means that include the coordination of the Portage County Groundwater Citizen Advisory Committee, implementation of the Portage County Groundwater Management Plan, and establishing a network of groundwater monitoring.

Prior to joining the County, Jen earned her Masters of Science in Watershed Management from the University of Wisconsin-Stevens Point and worked for the UWSP Center for Watershed Science and Education as outreach specialist specializing in lake management planning and worked with the National Park Service creating water and air quality inventories. Through her work at the County level Jen strives to engage all citizens in addressing local groundwater issues, as this is a resource we all share and rely on.

Friday, November 9th

9:00 AM Field Tour

County Materials Rib Falls Plant Tour: Glen Hoepfner, Location Manager

Wausau Whitewater Park: Roger Deffner and Brian Scholz, President of the Wausau Kayak/Whitewater Park Group

Wausau Hydro Dam: Kelly Zagrzebski, WEC Energy Group, Local Public Relations Leader