

**MAFSM's 7th Annual Conference,
Plan, Prepare, Protect:
Maryland's Path to Sustainability and Resiliency
October 20, 2011 at the Maritime Institute in Linthicum, MD**

Speaker List

(Speakers are not listed in order appearance. A conference schedule is posted on the conference tab of www.mafsm.org)

INVITED SPEAKERS

Meo Curtis

Watershed Planning and Monitoring at Department of Environmental Protection, Montgomery County, MD.

Montgomery County's Countywide Coordinated Implementation Strategy: MS4 Permit, TMDLs, and Beyond

Meosotis Curtis is the manager of the watershed planning and monitoring section in the Montgomery County Department of Environmental Protection (DEP). She has been with the DEP for over 15 years, beginning as a program planner with the first Municipal Separate Storm Sewer System (MS4) Permit, a requirement under the Federal Clean Water Act since the early 1990's. The MS4 permit is the major driver for the DEP Watershed Management Division program, with a focus on watershed assessments, restoration project inventory, and project and program implementation. The Watershed Planning and Monitoring Section is responsible for monitoring, outreach, private property retrofit incentives, and MS4 permit coordination. Ms. Curtis will present the background and factors used in developing the Countywide Coordinated Implementation Strategy. This Strategy provides the framework for the County's compliance with its MS4 permit goals, including TMDLs, for the current permit period and beyond.

She has a Bachelor's of Science in Biology from the College of William and Mary and a Master's of Marine Science from the University of Delaware. She began her professional career as an estuarine biologist for the State of Maryland's Chesapeake Bay monitoring program. This required going out on the Bay, taking water quality samples, and analyzing the data. She tells everyone that all those hours on the water were the best job she ever could hope to have.

For more information about the County's watershed protection programs:

<http://www.montgomerycountymd.gov/dectmpl.asp?url=/content/dep/water/waterL2.asp>

MS4 Permit program see:

<http://www.montgomerycountymd.gov/dectmpl.asp?url=/content/dep/water/npdes.asp>

James R. Foster, President of the Anacostia Watershed Society

As President of Anacostia Watershed Society (AWS), Jim Foster leads the organization as it works toward its goal of restoring the Anacostia River to a fishable and swimmable status. Jim works to build partnerships among stakeholders, advocating for the river, educating people about the watershed, and working on service projects such as cleaning up trash, planting plants, and removing invasive plants to make the river fishable and swimmable. Jim is committed to engaging the watershed communities in the river cleanup. His commitment is to the local community and resolving local water quality issues at the source, reducing trash, and controlling stormwater runoff from developed sites through advocacy, education, and stewardship activities.

Working with green roofs provides solutions to the river's ailments. The built environment is such a large source of pollution to the river that solutions have to be more forthcoming from there. Green roofs provide a fantastic opportunity to make our cities more liveable as well.

Mr. Foster has a BS in Environmental Resource Management from The Pennsylvania State University with a focus on water and wastewater treatment. He lives on the Bay where he enjoys sailing and motoring with wife Pam and two boys, Morgan and Garrett.

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Community Rating System Workshop (1 hour)

Amanda Gowens, ISO Coordinator

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Amanda Gowans is an ISO/CRS Specialist for Maryland, Delaware, New Jersey and portions of Virginia. As CRS specialist, Amanda assists communities in joining the Community Rating System and maintaining their CRS classification. Prior to joining ISO, she worked for several local governments providing stormwater and flood information, including Mecklenburg County, North Carolina Stormwater Services and Hamilton County, Ohio, public

works department. Amanda is a Certified Floodplain Manager, has more than 20 years experience in Geographic Information Systems and is a graduate of Pittsburgh Technical Institute.

Mari Radford, CFM, FEMA Region III

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Mari Radford is a Certified Floodplain Manager and Mitigation Planning Specialist for the Federal Emergency Management Agency's (FEMA) Region III office. Mari is the lead state mitigation planner for West Virginia, a member of the Pennsylvania planning team and coordinates the Community Rating System Program for the Region. In addition to managing the Community Assistance Program for West Virginia, she monitors compliance with the National Flood Insurance Program, conducts training, and provides technical assistance and disaster response. She is a lead on the WV Silver Jackets team. Mari holds a Master's Degree in Community and Regional Planning from Temple University, and a Bachelor's Degree in History from Willamette University.

Kevin Wagner, CFM, Maryland Department of the Environment

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Kevin Wagner is a Natural Resources Planner with Maryland Department of the Environment (MDE), the State Coordinating Office for the National Flood Insurance Program (NFIP). Currently, Kevin coordinates the Community Assistance Program for Maryland, and provides assistance to a variety of stakeholders on the NFIP. For the past 11 years, Kevin has worked with MDE in various capacities, including surveying repetitive flood loss properties, coordinating the State flood mitigation grant program and working with GIS. Kevin has a Bachelor of Science degree in Environmental Analysis and Planning from Frostburg State

University, and completed additional coursework at the Emergency Management Institute (EMI) in Emmitsburg.

Dave Guignet, Maryland Department of the Environment

NFIP State Coordinator

Status of Maryland

Stew Comstock and Debbie Cappuccitti, Maryland Department of the Environment

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Stew Comstock has worked in the Sediment and Stormwater and Dam Safety Program at MDE for 19 years. Mr. Comstock holds a Bachelor of Arts in Geologic Sciences from Ohio University and a Masters degree in Civil Engineering from the University of Maryland. He is one of the principal authors of the 2000 Maryland Stormwater Design Manual and also assisted with developing new regulations under the Stormwater Management Act of 2007 and revisions to the Design Manual.

Debbie Cappuccitti has worked in the Sediment and Stormwater and Dam Safety Division at MDE for 18 years. Ms. Cappuccitti holds a Masters degree in Watershed Management from the State University of New York, Environmental Science and Forestry College. She has worked in stormwater plan review for State and federal projects and more recently assisted with developing new regulations under the Stormwater Management Act of 2007 and revisions to the Design Manual.

3-D Floodplain Model Train-the-Trainer Workshop (1-2 hours)

Mark Walton, Hydrologist, National Weather Service and Michigan Stormwater-Floodplain Association

MAFSM has recently been awarded a WARDe 3-D Floodplain Model. This model will be used to teach local students the impacts of flooding in a hands-on interactive environment. This two-hour workshop will teach MAFSM members how to use the model to instruct students.

Mark Walton, Senior Service Hydrologist, National Oceanic and Atmospheric Administration (NOAA)/National Weather Service (NWS) Weather Forecast Office in Grand Rapids, Michigan, and David Chapman, Earth Science Teacher, Okemos High School, Okemos, Michigan, developed a "hands-on" table top stormwater - floodplain model for use in outreach and education. The stormwater - floodplain model is "hands-on," easy to use, portable, inexpensive, and comes with curriculum and defined experiments. The curriculum covers such things as: the fate of rain, why rivers flood, importance of floodplains and the role of floodplains, what is the 100 year flood and why does it change, methods of protecting life and property from floods, and an exercise on how to create a flood safe community. The model has three interchangeable "plug-and-play" headwaters. The interchangeable headwaters consist of a wetland, a parking lot, and a stormwater retention pond. In addition, the slope and rainfall intensity over the watershed can be modified. River levels are measured using an integrated staff gage, and the floodplain can be modified by adding a levee or fill.

MAFSM was recently awarded a stormwater – floodplain model by ASFPM to teach local students the impacts of flooding in a hands-on interactive environment.

This two hour workshop will teach MAFSM members how to use the model for education and outreach. Workshop attendees will spend the two hours conducting "hands-on" experiments with the model. Workshop attendees, using the model, will conduct experiments that measure the quantity of rainfall and runoff, timing and crest of the river, with various slopes, rainfall rates, headwaters, and floodplain configurations. The data generated will be used to develop hydrographs and illustrate how changes in the watershed impact the flood characteristics of the river system. Come find out how you can use this model in your community to support stormwater and floodplain education and outreach. If you would like to see a demonstration of this model please go to the following website: www.wardsci.com/floodplain.

FOR A COMPLETE LIST OF ALL THE CONFERENCE SPEAKERS, PLEASE GO TO THE CONFERENCE TAB AT WWW.MAFSM.ORG AND CLICK ON THE LINK TO THE SCHEDULE.