



Message from the Chair

As I write this message to you I wanted to reflect back on the past two years I have served as Chair of this great association. Through the support of all our volunteers we have been able to continue with our mission of bringing awareness in both floodplain and stormwater management. We have conducted more than 30 trainings to local schools and other organizations using the 3D Floodplain Simulator to teach children (and adults) about flood risk and floodplain management.

As we move forward here in 2014 we are actively planning for our **10th annual conference** to be held on **October 23rd at the Maritime Institute**. I encourage all of you to think about registering for our conference at www.mafsm.org ! There are great speakers and topics lined up, so REGISTER NOW! This year is also an election year so if you are interested in holding a Board position within MAFSM please consider running. I look forward to continuing my support with the great organization for years to come. I am very thankful for the amazing support provided by our volunteers because without you this organization would not be half as successful as it is. Don't forget to visit our website at mafsm.org for more information.

Email me at paul.slonac@mbakerintl.com with your suggestions for MAFSM activities, improvement suggestions, or opportunities for training/education. Your continued support of MAFSM is greatly appreciated.

MAFSM 9th Annual Conference Recap

MAFSM held its' 9th Annual Conference on October 17, 2013 at The Conference Center at the Maritime Institute in Linthicum Heights, Maryland. Last year's conference was attended by over 100 people. Featured events included a pre-conference activity: Certified Floodplain Manager (CFM) training held on October 16th, hosted at the Michael Baker, Jr., Inc. Linthicum Office; and two post-conference activities on October 18th: a CFM exam at the Michael Baker, Jr., Inc. office, and a field tour of the Carroll Creek Flood Control System through downtown Frederick, MD. The field tour included a historical overview of the project, as well as a walking tour of the above- and below-ground flood control components. Thanks to the City of Frederick for coordinating this activity and thanks to Straughan Environmental, Inc. for providing hip and chest waders.

The conference was opened by MAFSM Chair, Paul Slonac, CFM. Paul's opening was followed by the keynote speaker, D. Lee Curry, P.E., Maryland Department of the Environment, Science Service Administration, and then with statements from Dave Guignet, P.E., CFM,

Maryland Department of the Environment. We very much appreciate their participation and contribution to our conference.

The conference keynote address by D. Lee Curry focused on recent progress made in watershed implementation plans. The rest of the conference included over 20 breakout sessions on a wide array of local floodplain and stormwater topics such as analysis of the Biggert-Waters Act of 2012; effects of climate change; accreditation of levees; flood modeling techniques; local case studies focusing on recent, successful flood control construction projects; and discussions on water quality/TMDL's. Presenters were from the private sector and from municipal, state, and federal government backgrounds.

MAFSM also conducted a Train-the-Trainer workshop on the Ward's 3D Flood Simulation Model. MAFSM members who are interested in presenting the Flood Simulation Model are required to take the training prior to delivering the presentation to audiences.

Our exhibitor's hall was lined with tables featuring exhibitors from local and national businesses. We concluded with a networking social hour.

MAFSM would like to thank everyone who attended the conference, especially our sponsors and exhibitors who are recognized on page 4.

We look forward to seeing even more attendees at our 10th Annual Conference to be held in October 23, 2014 at the Maritime Institute in Linthicum, MD. The conference will include a day of speakers and pre- and post-activities.

New Contact information?

It is important for us to update all of our members on our latest news and events. If your contact information has changed since last year please email tim.ward@stantec.com with your updates.

Reissue of National Pollutant Discharge Elimination System (NPDES) Municipal Storm Separate Storm Sewer System (MS4) Permits for Phase I Communities

By Manasa Damera, PE, CFM, URS Corporation

The Maryland Department of Environment (MDE) has been issuing the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permits once every five years to Phase I communities since 1993. Eleven jurisdictions that include large and medium municipalities and State Highway Administration are designated as Phase I communities by MDE. The initial permit required these communities to maintain the legal authority to reduce storm drain system pollution, develop geographic information system (GIS) mapping on a watershed level; characterize urban stormwater using combination of chemical, physical and biological monitoring; develop management programs to mitigate effects of runoff from new and significant redevelopment projects, construction sites, illicit storm drain system connections, and road maintenance operations; and develop educational and outreach programs providing information regarding stormwater pollution for public. Subsequent permit cycles were modified to include an assessment of water quality on a watershed basis to establish retrofitting requirements to provide stormwater management for 10 percent of impervious area in the communities in each permit cycle.

With the establishment of Chesapeake Bay Total Maximum Daily Load (TMDL) by Environmental Protection Agency (EPA) in 2010, MDE incorporated restoration programs as a part of NPDES MS4 Phase I and Phase II permit requirements to meet TMDL goals. MDE reissued NPDES MS4 Phase I permits (fourth generation permit cycle) for 4 large jurisdictions, Anne Arundel County, Prince George's County, Baltimore County and Baltimore City earlier this year. In addition to the current permit requirements, MDE included the following requirements in the reissued permits:

Stormwater Management: The reissued permit requires implementation of Best Management Practices (BMPs) to Maximum Extent Practicable (MEP) complying with the Stormwater Management Act of 2007 for new and redevelopment projects in order to reduce the pollutant discharges from the storm drain system.

Litter and Floatables Reduction Strategies: As a part of this new requirement, the Phase I jurisdictions are required to identify and document sources of litter and floatables into the waterways. Within one year of permit issuance, the communities are required to develop and implement public education and outreach programs which are aimed at reducing litter and promoting recycling. The communities are also required to evaluate the effectiveness of the program and submit a progress report to MDE annually.

Restoration Plans and Total Maximum Daily Loads: In addition to the existing watershed assessment requirements, the Phase I communities are required to submit impervious surface assessment within one year of permit issuance. The permit also requires them to implement strategies to MEP by the end of the permit term, to provide water quality treatment of 20 percent of impervious area that is not currently managed. The communities are also required to submit to MDE within one year of permit issuance, restoration plans for all water bodies that have EPA approved stormwater Waste Load Allocations (WLA) prior to the effective date of permit. These restoration plans are required to include a proposed final date for meeting WLAs, detailed schedule for implementing restoration strategies, implementation cost estimates, methods to track progress of implemented restoration strategies, and methods for developing an ongoing iterative process for implementing restoration strategies that are necessary to meet the WLAs.

The reissued permits were finalized by MDE based on input from various stake holders provided in public hearings and via written testimonials. It is likely that the NPDES MS4 permits for remaining Phase I communities will be modified to include similar requirements. With the addition of these new requirements, MDE goals are to improve water quality in the Chesapeake Bay while meeting the Chesapeake Bay TMDL requirements and developing a program that complies with EPA's NPDES MS4 regulations. If you would like additional information or have any questions, please contact Manasa Damera at Manasa.Damera@urs.com or Mary Roman at Mary.Roman@urs.com.

Treasurer's Report

The current balance in the Treasury is \$10,734

Ideas for Articles

We welcome your input and ideas. If you would like to contribute to the newsletter, please contact Necolle Maccherone at NecolleMaccherone@gmail.com.

MAFSM 9th Annual Conference Sponsors

Gold Level



Silver Level



Bronze Level



MAFSM 10th Annual Conference

Please register for our 10th Annual Conference to be held on October 23, 2014. Conference registration is live at www.mafsm.org.

YOUR ASSOCIATION

Officers, Regional Representatives and Committee Chairs

Paul Slonac, CFM, Chair

Michael Baker Jr., Inc
1304 Concourse Drive, Suite 200
Linthicum, MD 21090
Phone: (410) 689-3488
Email: pslonac@mbakerintl.com

Necolle Maccherone, CFM, Vice Chair

Phone: (443) 812-5824
Email: NecolleMaccherone@gmail.com

Jason Stick, CFM, Treasurer

Carroll County Government
Bureau of Resource Management
225 North Center Street
Westminster, MD 21157
Phone: (410) 386-2844
Email: jstick@ccg.carr.org

Laura Chap, Secretary

Atkins
3901 Calverton Blvd, Suite 400
Calverton, Maryland 20705
Phone: (301) 210-6800
Email: laura.chap@atkinsglobal.com

Dawn Hawkins-Nixon, CFM - Central Regional Rep.

Department of Environmental Resources
Prince George's County
9400 Peppercorn Place
Largo, MD 20774
Phone: (301) 883-5839
Email: DHNixon@co.pg.md.us

Kevin G. Wagner, CFM - Western Regional Rep.

Maryland Department of Environment
1800 Washington Blvd., Suite 430
Baltimore, MD 21230
Phone: (401) 537-3914 (Baltimore)
(301) 689-1495 (Frostburg)
Email: kevin.wagner@maryland.gov

Amy Moredock - Eastern Regional Rep.

Kent County Government
Director of Planning, Housing and Zoning
Phone: (410) 778-7473
E-mail: amoredock@kentgov.org

Mark Hoskins, P.E., CFM - Programs Committee Chair

Tim Ward - Membership Committee Chair

Stantec
6110 Frost Place
Laurel, MD 20707
Phone: (240) 542-3196
Email: tim.ward@stantec.com

Dawn Hawkins-Nixon, P.E., CFM - Mitigation Committee Chair

Department of Environmental Resources
Prince George's County
9400 Peppercorn Place
Largo, MD 20774
Phone: (301) 883-5839
Email: DHNixon@co.pg.md.us

Kevin G. Wagner, CFM - Mapping and Technology Committee Chair

Maryland Department of the Environment
Wetlands & Waterways Program
1800 Washington Blvd., Suite 430
Baltimore MD 21230-1708
Phone: (410) 537-3914
Email: kevin.wagner@maryland.gov

Necolle Maccherone, CFM - Outreach and Public Relations Committee Chair

Phone: (443) 812-5824
Email: NecolleMaccherone@gmail.com

Mary E. Roman, P.E., CFM - Stormwater Committee Chair

URS Corporation
430 National Business Parkway, Suite 400
Annapolis Junction, Maryland 20701
Direct 443)737.1290, Cell 410.215.0074
Email: mary.roman@urs.com