

# SC Association of Stormwater Managers

## First Quarter Meeting

March 7, 2024

Cooperative Conference Center  
Columbia, SC

**9:00 – 10:00 a.m. Registration**

**10:00 – 10:10 a.m. Welcome**

*Angela Crockett, President*

**10:10 – 11:00 a.m. How to Prepare for an MS4 Audit**

*Angela Vandelay, Senior Engineer, WSP USA*

MS4 audits can be confusing and daunting. Vandelay will share insight into expectations of an audit, how to prepare for it, and common deficiencies that are found. The session will discuss how to highlight continuous improvement in your program, changes in how TMDL requirements will be audited by DHEC, what potential audit results can be expected, and what an MS4 will need to do after an audit.

**11:00 – 11:15 a.m. Break**

**11:15 a.m. – noon Predicting the Short-term Future: How Live Modeling Can Save Lives in a Storm Event**

*Brian Bates, Vice President, Woolpert, Inc.*

When a big storm is gathering on the horizon, local meteorologists can help people prepare with detailed weather forecasts predicting the amount of rain to expect, but rarely can they predict flood elevations, times of flood peaks, and the overall impact to homes, businesses and infrastructure. Details such as those require extensive inventory data and robust hydrologic and hydraulic models. Traditional large and detailed computer models can take eight to 10 hours to run — what if you need to predict what is going to happen in just four hours?

With resources made available from the National Oceanic and Atmospheric Administration combined with today's computing power, machine learning, remote sensing and GIS technology, we now have the ability to predict what is going to happen as conditions change in real-time during a volatile storm.

This session will highlight some of the live modeling methods including both traditional hydrologic and hydraulic models as well as machine learning options, and also present an example of a dashboard for effectively utilizing this information.

**Noon – 12:50 p.m. Lunch**

**12:50 – 1:00 p.m. A Word From our Sponsor: WK Dickson and Company**

**1:00 – 1:15 p.m. DHEC Updates**

**1:15 – 2:00 p.m. South Carolina Office of Resilience Education and Outreach Program**

*SC Office of Resilience Staff*

Staff from the SC Office of Resilience we be on hand to provide various updates, including information from the statewide Resilience and Risk Reduction Plan and data from the First Street Foundation.

**2:00 p.m. Adjourn**

## First Quarter Meeting Sponsor



## Upcoming Meetings

**Cooperative Conference Center**  
169 Laurelhurst Ave.  
Columbia, SC 29210

**Second Quarter Meeting** | June 6  
**Third Quarter Meeting** | September 5  
**Fourth Quarter Meeting** | November 7

## Contact Information

**Sara Whitaker**  
Staff Associate for Affiliate Services  
Municipal Association of SC  
803.933.1240 | [swhitaker@masc.sc](mailto:swhitaker@masc.sc)

**Lea Ann Mitchell**  
Administrative Assistant  
Municipal Association of SC  
803.933.1254 | [lmitchell@masc.sc](mailto:lmitchell@masc.sc)

## General Information

The SC Association of Stormwater Managers offers quarterly training sessions about stormwater management policies and best practices. It also provides members with a forum for sharing ideas and keeping current on state and federal laws.

Annual membership dues are assessed per individual and cover registration fees for the quarterly meetings and access to the listserv.

## SCASM Board of Directors

### President

Angela Crockett  
Deputy Stormwater Manager  
Lancaster County

### Vice President

Chris Wannamaker  
Stormwater Utility Manager  
Charleston County

### Secretary/Treasurer

Brandon Wagner  
Deputy Stormwater Manager  
Horry County

### Member at Large

Stephen Thun  
Civil Engineer  
Kimley-Horn and Associates, Inc.

### Immediate Past President

Mark Johnson  
Public Works Director  
Town of James Island

## Registration Information

Online registration is available for the First Quarter Meeting. Save time and postage by logging on to [www.masc.sc](http://www.masc.sc) to register. Online registrations must be paid by Visa or MasterCard. The meeting is free for SCASM members and \$85 for nonmembers. The registration fee includes the educational materials and lunch. **The registration deadline is Thursday, February 29.**

Register online at [www.masc.sc](http://www.masc.sc) or mail completed registration form and check made payable to the Municipal Association of SC to:

MASC  
PO Box 12220  
Columbia, SC 29211  
ATTN: SCASM

**NOTE: All attendee substitutions must be made by Thursday, February 29. We are not able to make substitutions after this deadline or onsite at the meeting.**

For special needs requests, contact Lea Ann Mitchell at 803.933.1254 or [lmitchell@masc.sc](mailto:lmitchell@masc.sc) by February 29 and we will accommodate if possible.

Conference attire is business casual. The general session room may be cool, so you may want to bring a sweater or jacket.

## SCASM Registration Form SCASM First Quarter Meeting March 7, 2024

### Name Badge Information

The following information will appear on your name badge for this meeting.

\_\_\_\_\_  
First name (example: Bill)

\_\_\_\_\_  
Full name (example: William J. Smith, Jr.)

Mr.  Ms.  Dr.

\_\_\_\_\_  
Title  New

\_\_\_\_\_  
Local government/business name

### Contact Information

\_\_\_\_\_  
Birth month/day

\_\_\_\_\_  
Last four digits of SSN

*This combination of numbers is used as the official's personal identification number to access online services, simplify event registration and ensure proper recording of participation in Association training programs.*

\_\_\_\_\_  
Local government/business name

\_\_\_\_\_  
Preferred mailing address  New

Type:  Municipal  Business

\_\_\_\_\_  
City/State

\_\_\_\_\_  
Zip

\_\_\_\_\_  
Preferred phone  New

Type:  Municipal  Business  Mobile

\_\_\_\_\_  
Email address  New

*For additional attendees, make a copy of this form.*

### Registration Fees

Member \$0 \$ \_\_\_\_\_  
 Nonmember \$85 \$ \_\_\_\_\_

**Total:** \$ \_\_\_\_\_



1411 Gervais Street  
PO Box 12109  
Columbia, SC 29211  
[www.masc.sc](http://www.masc.sc)

*The South Carolina Association of Stormwater Managers is an affiliate of the Municipal Association of South Carolina.*