

VAPSS 2012 Spring Technical Session

Stormwater Management and How Soil Scientists can Play Their Part

Friday, March 23, 2012

*Wetland Studies and Solutions Inc., Gainesville VA
and Local Field Trip*

Co-Sponsored by:

**Virginia Association of Professional Soil Scientists (VAPSS)
Virginia Tech Dept. of Crop and Soil Environmental Sciences
Virginia Cooperative Extension Service
Wetland Studies and Solutions Inc.**

Program Overview and Logistics

Stormwater management regulations in Virginia and the mid-Atlantic region have undergone considerable revision in the past several years and their implementation and associated impacts on development and water quality are often hotly debated. This one day program will focus upon the current status of stormwater regulations in Virginia with a particular emphasis on nutrient and sediment control and current best management practices and control structures. The program will also include detailed materials and presentations on soil mix specifications for biofilters and bioretention structures, urban nutrient runoff estimation and issues, and overall low impact development (LID) planning approaches and strategies. Throughout the program, the speakers will focus on the role and need for soil science input to the planning and design process. The meeting will conclude with a field trip to view and discuss local stormwater management designs and actual LID implementation.

The meeting location for is the Wetland Studies and Solutions (WSSI) office complex in Gainesville in northern Virginia. Driving directions are located at their website: <http://www.wetlandstudies.com/about-wssi/map-directions.html>. The cost of the meeting for VAPSS members and public sector employees is \$85. The charge for non-members is \$110. The meeting fee includes breaks, a box lunch and Virginia Tech CEU's (1.0) for all registrants. Contact Sue Brown as shown on the registration form for information on local hotels.

This program serves as the 2012 Spring Technical Session for VAPSS and a separate schedule for any business meeting and/or social functions will be forwarded to VAPSS members.

Stormwater Management and How Soil Scientists can Play Their Part

Friday, March 23 – WSSI, Gainesville

- 8:00 – 8:30 am Registration and coffee
- 8:30 – 9:00 Overview and Introduction
Mr. Mike Rolband – President, WSSI
Dr. David Sample – Virginia Tech—BSE Dept.
- 9:00 – 9:30 Stormwater, Chesapeake Bay and VA Regulatory Programs from a Municipal Compliance Perspective
Mr. Randy Bartlett, Deputy Director of Public works and Environmental Services, Fairfax County Government
- 9:30 – 10:15 Bioretention and Dry Swales, their Function and Design
Dr. David Sample
- 10:15 – 10:45 Soil Media Designs for Bioretention of Nutrients and Plant Growth
Dr. W. Lee Daniels – Virginia Tech – CSES Department
- 10:45 – 11:00 Coffee & Drink Break
- 11:00 – 11:30 Urban Soil Management: Do N and P *Really* Runoff from Lawns?
Dr. W. Lee Daniels – Virginia Tech – CSES
- 11:30 – 12:00 Private Sector Perspectives on Stormwater Management & Regulations
Mr. Mike Rolband, WSSI
- 12:00 – 12:30 Lunch served on-site (Fill-in order form at check-in)
- 12:30 – 1:15 LID Hydrology and Runoff Reduction
Dr. David Sample
- 1:15 – 2:00 Infiltration Based Stormwater Controls
Dr. David Sample
- 2:00 – 2:15 Afternoon Break with refreshments
- 2:15 – 5:30 Overview of LID at WSSI/Field Trip to Local Development(s)

Registration Form

March 23, 2012

1.0 CEUs (Must attend all day)

PLEASE PRINT/TYPE CLEARLY:

Name _____ Work Phone _____
Firm/Org. _____ Fax _____
Address _____ E-mail: _____
City _____ State _____ Zip _____

Amount enclosed: **\$85.00** for VAPSS members and Public Sector Employees
\$110.00 for the General Public
(No refunds after March 16; all cancellations subject to \$25 fee)

Registration deadline is March 16. *Registration is limited to 50 attendees.*

Contact Sue Brown (540-231-5741; Fax: -7630; suebrown@vt.edu) for registration information or for credit card payments (Mastercard or Visa only).

If Ms. Brown is not available, contact W. Lee Daniels (wdaniels@vt.edu or 540-231-7175)

Payment must be made prior to the meeting to assure box lunches and seating space.

Make checks payable to VAPSS

Mail check with registration form to:

Sue Brown, VAPSS
Virginia Tech/CSES
238 Smyth Hall - 0404
Blacksburg VA 24061

Interested in joining/information on VAPSS?

Go to: www.vapss.org

