Stormwater Best Management Practices in Virginia

Live, Interactive Webinar - Friday, December 11, 2020

You’ll be able to:

Select stormwater best management practices for construction projects in Virginia.

Consider Virginia topography, hydrology and soils.

Describe the benefits of reducing site disturbance during construction, as well as the benefits of natural landscaping.

Explore applications for rain barrels, cisterns, rain gardens, filter strips and drainage swales.

Review criteria for sizing and designing detention basins and ponds.

Discuss stormwater best management practice case studies in Virginia.

Learning Objectives

Selecting Stormwater Best Management Practices

Site topography, hydrology and soils
System sizing and design
System performance
Selection criteria

Reducing Site Disturbance and Increasing Natural Landscaping

Benefits of natural landscaping
Choosing native species for plantings
Cost considerations and maintenance

Permeable Pavers

Site criteria and product selection
Preparation and installation
Cost considerations and maintenance

Vegetated Roofs

Benefits and life cycle cost
Extensive roofs
Intensive roofs
Maintenance

Rain Barrels, Cisterns and Rain Gardens

Stormwater collection
Water storage
Reuse
Garden sizing and design
Cost considerations

Filter Strips and Drainage Swales

Benefits and design considerations
Choosing appropriate vegetation
Cost considerations and maintenance

Detention Basins and Ponds

Benefits and site selection
Sizing and design
Choosing native vegetation
Maintenance considerations

Stormwater Best Management Case Studies

Continuing Education Credits

Professional Engineers
7.0 PDHs

Architects
7.0 HSW CE Hours

AIA
7.0 LU|HSW

Landscape Architects
7.0 HSW CE Hours

LA CES
7.0 HSW PDHs

Floodplain Managers
7.0 ASFPM CECs
Faculty

Ginny Snead, P.E. Associate at A. Morton Thomas and Associates, Inc. (AMT), Williamsburg, VA

Ms. Snead is a water resources engineer with more than 25 years of consulting and state government experience, specializing in water planning, engineering and policy in Virginia and in the Chesapeake Bay watershed. Her municipal experience includes stormwater master planning, BMP and retrofit design, inspection oversight, plan review and programmatic planning and reporting services. Her prior experience includes directing the Office of Stormwater at the Virginia DEQ and managing the Office of Regulatory Programs at the Virginia DCR which governed both the NPDES (MISA, Construction General Permit) for stormwater and the TMDL implementation plan programs, and which included the Virginia Erosion and Sediment Control Program, the Virginia Stormwater Management Program (and Virginia Stormwater BMP Clearinghouse), the Chesapeake Bay Preservation Act Program and Nutrient Management. Ms. Snead led the state team negotiating Virginia’s 2013 MS4 NPDES permits with U.S. EPA Region III which still serve as the basis for MS4 permits in the Commonwealth. She has served as the project manager and technical lead on projects including stream restoration, outfitting and BMP retrofit as well as MS4 compliance projects. She currently serves as a member of the Chesapeake Bay Urban Stormwater Workgroup, closely following and commenting on the changes in stormwater BMP crediting in the Bay. She also serves on the committee developing protocols for manufactured treatment devices, to encourage innovation in MS4 TMDL compliance options. Ms. Snead is the current board chair for the Alliance for the Chesapeake Bay, a non-profit focused on improving the health of the Bay, and she serves as a member of the Commonwealth of Virginia Chesapeake Bay Stakeholder Advisory Panel.

Webinar Information

Log into Webinar
Break
12:30 - 1:30 pm EST
Morning Session
1:30 - 5:00 pm EST
Tuition
$299 for individual registration
$199 for three or more registrants from the same company at the same time
Included with your registration: PDF seminar manual
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Recordings of this webinar are available for purchase. See registration panel for more information and can’t attend? Order the Webinar as a Self-Study Package!

Additional Learning

Continuing Education Credit Information

This webinar offers 0.70 PDHs to professional engineers and 7.0 HSW continuing education hours to architects in all states. It offers 7.0 HSW continuing education hours to landscape architects in all states, excluding Florida, New Jersey, and North Carolina.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 26G00000700), North Carolina (S-0130), and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects, and landscape architects via its registration with the American Institute of Architects Continuing Education System (Registration of the Commissioner §§44.14(1)(2) and §69.6(1)(2), 579-150(2)). Courses approved by the AIA/CES qualify for Florida and New Jersey architects. Other states do not preapprove continuing education providers or courses.

This course has been approved by the American Institute of Architects Continuing Education System 7.0 LUs/HSW (Sponsor No. J885) and the Landscape Architect Continuing Education System for 7.0 HSW PDHs. Only full participation is reportable to the AIA/CES and LA CES.

The Association of State Floodplain Managers has approved this event for 7.0 CEUs for certified floodplain managers.

Completion certificates will be awarded to participants who complete this entire course, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

How to Register


Registrant Information

Online: www.halfmoonseminars.org
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Tuition

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