

Agenda

Stormwater Basins and Underground Systems Day One

Thursday, November 5, 2020 | 12:00 - 4:00 pm CST (including a 30-min. break)

Stormwater Management System Objectives and Design Considerations

- Regulatory requirements associated with stormwater water quality and quantity
- Clean Water Act
 - Federal, State and Local requirements
- Complying with stormwater regulations
- Preparing a Stormwater Quality Management Plan (SWQMP)
- Stormwater goals
 - Design considerations

Stormwater Basin/Underground System Design

- Site consideration and assessment
- Selection criteria
- Site considerations
 - Watershed and topographical considerations
 - Stormwater contents
 - Community and environmental factors

Choosing Basin Types

- Detention basins
- Stormwater routing, sediment handling, outlet
 - Pre-treatment
 - Maintenance and operations
- Retention ponds
- Stormwater routing, sediment handling, soils and vegetation
 - Pre-treatment
 - Maintenance and operations
- Forebay infiltration basins
- Stormwater routing, sediment and chemical handlings, soils and vegetation
 - Pre-treatment
 - Maintenance and operations

Stormwater Basins and Underground Systems Day Two

Friday, November 6, 2020 | 12:00 - 3:30 pm CST (including a 30-min. break)

Choosing an Underground Storage System

- Detention/infiltration systems
- Type of storage – chambers, stone, custom design
 - Pre-treatment
 - Stormwater routing, infiltration, sizing, design criteria

Sustainable Best Practices in Stormwater

Detention/Retention Green Infrastructure Practices

- Naturalizing detention/retention basins
- Small detention areas vs. large detention area
- Rain gardens
- Underground storage and water reuse options

Stormwater Basins and Underground Systems

Online - Thurs., November 5, and Fri., November 6, 2020

Learning Objectives

You'll be able to:

- Comply** with stormwater regulations and assist with preparation of stormwater management plans.
- Explain** the criteria for designing underground stormwater retention and detention systems.
- Choose** stormwater detention and retention basin types.
- Consider** stormwater routing, sediment handling soils and vegetation.
- Implement** green infrastructure best practices, including the naturalization of detention/retention basins.

HalfMoon Education Online Learning

Stormwater Basins and Underground Systems

Live, Interactive Webinar Series

Thursday, November 5, and Friday, November 6, 2020



Understand stormwater management system objectives and design considerations

Identify criteria for choosing an underground storage system

Examine how to choose detention and retention basin types

Get tips on maintenance and operations

Choose detention and retention basin types

Continuing Education Credits

Professional Engineers
6.5 Continuing Ed. Hours

Floodplain Managers
6.5 ASFPM CECs

Architects & Landscape Architects
6.5 HSW Continuing Ed. Hours
6.5 AIA LU|HSW
6.5 LA/CES HSW PDHs

Faculty

Scott SouthallPrincipal at Earthcylce Design

Mr. Southall, RLA, LEED AP BD+C, ASLA, AICP, is a principal with Earthcycle Design, LLC, a landscape architecture, urban planning and community resilience design firm, based in Lexington, KY. He is a professional landscape architect in Kentucky and Ohio, a LEED accredited professional BD+C with the US Green Building Council (USGBC), and a certified planner with the American Planning Association. Mr. Southall has over 25 years of professional experience in planning, design and project management. He has applied his sustainability design experience on a multitude of projects ranging in magnitude and complexity including: urban and site design for institute and community facilities with an emphasis on education and public outreach pertaining to green infrastructure (GI), low impact development (LID) and sustainable sites. Mr. Southall has presented on an assortment of sustainable practices and topics at statewide, regional and national conferences. In 2008, he shared the State of Kentucky Governor’s Award for Environmental Leadership. In 2009, he received an Environmental Commission Award from Lexington-Fayette Urban County Government for his environmental outreach and sustainable design efforts in Lexington. Mr. Southall graduated from the University of Kentucky with a Bachelor of Science degree in Landscape Architecture. Currently, he serves as one of 12 sustainable champions for the American Planning Association (APA), serves on the steering committee of Empower Lexington (a climate action plan to reduce CO2), and as treasurer for LFUCG’s Environmental Commission. In March 2017, Mr. Southall completed a three-day Climate

Webinar Information

Day One: Thursday, November 5, 2020

12:00 - 4:00 pm CST (including a 30-min. break)

Day Two: Friday, November 6, 2020

12:00 - 3:30 pm CST (including a 30-min. break)

(please log into the webinar 15 - 30 minutes before start time)

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.

How to Register

Visit us online at www.halfmoonseminars.org

Mail-in or fax the attached form to 715-835-6066

Call customer service at 715-835-5900

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For more information, please visit our FAQ section of our website, or visit www.gotowebinar.com.

Cancellations: Cancel at least 48 hours before the start of the webinar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another webinar. You may also authorize another person to take your place.

Continuing Education Credit Information

This webinar is open to the public and offers up to 6.5 continuing education hours to professional engineers, 6.5 HSW continuing education hours to architects and landscape architects in most states.

HalfMoon Education is deemed a New York-approved continuing education provider for engineers, architects, and landscape architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2), §69.6(i)(2), and 79-1.5(i)(2)).

This event is approved by the American Institute of Architects Continuing Education System for 6.5 LU|HSW (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance is reportable to the AIA/CES and LA/CES. Courses approved by the AIA qualify for New Jersey architects. Visit www.halfmoonseminars.org for complete AIA/CES information under this course listing.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700). North Carolina, and North Dakota.

Can’t Attend?

Order the Webinar as a Self-Study Package!

Recordings of this webinar are available for purchase. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Reality Leadership Corps training to become a climate reality leader and served as mentor in October, 2017. He is a past Chapter President and Trustee of Kentucky ASLA, and past Board of Director member for Southeast Stormwater Association (SeSWA) and Market Leadership Advisory Board (MLAB) for USGBC Kentucky. Mr. Southall is a member of American Society of Landscape Architects and American Planning Association.

Denise O’MearaLandscape Architect at Earthcylce Design

Ms. O’Meara, RLA, LEED AP, ASLA, has extensive project experience in a variety of sectors, including general master planning, strategic planning, parks and recreational design for municipal and state government entities, K-12 and post-secondary educational institution and hospital master planning and site design, nature-based learning and play environments and sustainable stormwater management. She brought the concept of sustainable building and site design through LEED accreditation early on to her firm. As a teacher and mentor, she has sought to give clients and up-and-coming designers a knowledge base and affinity for designing in a manner responsive to natural systems. Ms. O’Meara has a deep understanding that conservation of green space is a requirement for stormwater management, that is made possible through sustainable planning for livability within our population centers. She has written educational and informative articles and guides about the processes of land protection, and has researched and put into practice those BMPs and conservation tools which benefit sustainability and resiliency.

The Association of State Floodplain Managers has approved this course for 6.5 CECs.

This event offers a continuing education opportunity to construction contractors, but it has not been approved by any state with a continuing education requirement for contractors.

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

Additional Learning

Soils in Construction

- Tues., October 20, 2020 | 11:00 am - 3:00 pm CDT

- Wed., October 21, 2020 | 11:00 am - 3:00 pm CDT

Stormwater Best Management Practices

- Wed., October 21, 2020 | 8:30 am - 5:00 pm CDT

How to Navigate the New Federal Navigable Waters Protection Rule

- Fri., October 23, 2020 | 12:00 - 2:00 pm CDT

Aerial Mapping: Technologies and Procedure

- Tues., October 27, 2020 | 8:30 am - 12:00 pm CDT

- Wed., October 28, 2020 | 8:30 am - 12:15 pm CDT

For more information and other online learning opportunities visit: www.halfmoonseminars.org/webinars/

Registration

Stormwater Basins and Underground Systems

Live, Interactive Webinar - Thursday, November 5, 2020 and Friday, November 6, 2020

How to Register	
Online: www.halfmoonseminars.org	
Phone: 715-835-5900	
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Complete the entire form. Attach duplicates if necessary.	
Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____ Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____ Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred. () I need special accommodations. Please contact me.	

Tuition

() I will be attending the live webinar.

Single Registrant - **\$299.00**. Three or more registrants from the same company registering at the same time - **\$199.00** each.

() I am not attending.

Please send me the webinar recording:

☐ Streamable MP4 Video/PDF Manual for **\$279.00**.

☐ USB Video/PDF Manual for **\$279.00**.

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