

Agenda

Presented by Gary R. Brown

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
Reuse
Water storage
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

Stormwater Best Management Practices
Cherry Hill, NJ - Thursday, May 10, 2018

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Halfmoon Education Inc.
PO Box 278
Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Define the selection criteria for stormwater best management practices.

Explore the benefits of natural landscaping.

Understand cost and maintenance considerations for an assortment of BMPs, including vegetated roofs, permeable pavers, rain gardens, and drainage swales.

Discuss the sizing and design of detention basins and ponds.



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Review selection criteria for stormwater best management practices

Learn how to reduce site disturbance and increase natural landscaping

Examine and compare BMPs including vegetated roofs, cisterns and rain gardens, permeable pavers, basins and ponds, filter strips and drainage swales

Discuss stormwater best management practice case studies

Continuing Education Credits

Professional Engineers

7.0 CPC Credits/PDHs

Architects

7.0 HSW Contact Hours

7.0 AIA HSW Learning Units

Landscape Architects

7.0 New Jersey CE Hours

7.0 LA CES HSW PDHs

Floodplain Managers

7.0 ASFPM CECs



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Faculty

Gary R. Brown *President of RT Environmental Services, Inc.*

Mr. Brown is President of RT Environmental Services, Inc., an environmental services firm located in King of Prussia, Pennsylvania. He is a professional engineer (P.E.) in 20 states, and he has been practicing environmental engineering in Pennsylvania and New Jersey since 1973. He is also a Qualified Environmental Professional (Q.E.P) with over 30 years of diversified engineering experience, including 22 years of engineering management experience. Mr. Brown has worked in the waste management industry and designed stormwater facilities since 1978. He has completed expert work on state and federal court cases as well.

Seminar Information

Holiday Inn Philadelphia-Cherry Hill 2175 West Marlton Pike Cherry Hill, NJ 08002 (856) 663-5300	Registration 8:00 - 8:30 am Morning Session 8:30 am - 12:30 pm	Lunch (On your own) 12:30 - 1:30 pm Afternoon Session 1:30 - 5:00 pm
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Tuition
\$279 for individual registration
\$259 for three or more simultaneous registrations.
Each registration includes a complimentary continental breakfast and printed 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

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

Can’t Attend? Order the CD/Manual Package:
An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Additional Learning

- Webinar Series**
- Shallow Foundations**
- **Evaluating Building Sites**
Thurs., April 19, 2018, 11:00 AM - 12:30 PM CDT
 - **Shallow Foundation Design**
Thurs., April 19, 2018, 1:00 - 2:30 PM CDT
 - **Special Considerations in Foundation Design and Construction**
Fri., April 20, 2018, 11:00 AM - 12:30 PM CDT
 - **Soil Improvement and Foundation Diagnosis and Repair**
Friday, April 20, 2018, 1:00 - 2:30 PM CDT

- Erosion and Sediment Control**
- **Basics of Site Stormwater Regulations and Requirements**
Wed., April 25, 2018, 11:00 AM - 12:00 PM CDT
 - **Structural and Non-Structural Erosion and Sediment Control Best Practices**
Wed., April 25, 2018, 12:30 PM - 2:30 CDT
 - **Site Planning**
Thurs., April 26, 2018, 11:00 AM - 1:00 PM CDT
 - **Long-term Post Construction Management Practices**
Friday, April 20, 2018, 12:30 PM - 2:30 CDT

- Land Description Workshop**
- **Land Description Basics**
Fri., Apr. 20, 2018, 9:00 - 10:30 AM CDT
 - **Interpreting Land Descriptions**
Fri., Apr. 20, 2018, 11:00 AM - 12:30 PM CDT
 - **Writing Land Descriptions**
Fri., Apr. 20, 2018, 1:00 - 2:30 PM CDT
- Boundaries and Easements**
- **Locating Land Boundaries on Paper (And on the Ground)**
Weds., Apr. 25, 2018, 9:00 - 10:30 AM CDT
 - **Physical Evidence and Boundaries**
Thurs., Apr. 25, 2018, 1:00 - 2:30 PM CDT
 - **Easements: Understanding Possessive Rights in Lands of Others**
Thurs., Apr. 26, 2018, 11:00 AM - 12:30 PM CDT
 - **Disputes: Boundaries, Shared Spaces, and Split Estates**
Thurs., Apr. 26, 2018, 1:00 - 2:30 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 CPC credits to New Jersey professional engineers. HalfMoon Education is an approved continuing education provider for New Jersey engineers (Approval No. 24GP00000700).

This event has been approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885). Courses approved by the AIA qualify for New Jersey architects.

The New Jersey Board of Architects has approved this course for 7.0 continuing education hours for landscape architects. The Landscape Architecture Continuing Education System has approved this event for 7.0 HSW PDHs.

HalfMoon Education is deemed an approved continuing education sponsor for New York architects and landscape architects. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, New York (NYSED Sponsor No. 35), North Carolina, and North Dakota.

The Association of State Floodplain Managers has approved this seminar for 7.0 CECs for certified floodplain managers.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Registration

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Fax: 715-835-6066	
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Complete the entire form. Attach duplicates if necessary.	
Registrant Information 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 seminar. Single Registrant - \$279.00 . Three or more registrants from the same company registering at the same time - \$259.00 each. () I am not attending. Please send me the CD manual package for \$289.00 . (S&H included. Please allow five weeks from seminar date for delivery)
Checks: Make payable to HalfMoon Education Inc.
Credit Card: <i>Mastercard, Visa, American Express, or Discover</i> Credit Card Number: _____ Expiration Date: _____ CVV2 Code: _____ Cardholder Name: _____ Billing Address: _____ City: _____ State: _____ Zip: _____ Signature: _____ Email: _____