

Agenda

Presented by Brad Flack, CPESC, CESSWI, CAS

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

Stormwater Best Management Practices
New Orleans, LA - Friday, November 8, 2019

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Learning Objectives

You'll be able to:

Evaluate site conditions to determine appropriate best management practices for stormwater retention and treatment.

Adopt practices to reduce disturbances on development sites, and to increase natural landscaping.

Use permeable pavers, vegetated roofs, rain barrels, cisterns, rain gardens, filter strips and drainage swales to manage stormwater.

Size and design detention basins and ponds to naturally treat stormwater.

Discuss stormwater management case studies.



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Stormwater Best Management Practices

New Orleans, LA - Friday, November 8, 2019



Understand criteria for selecting stormwater best management practices

Learn how to reduce site disturbance and increase natural landscaping

Explore uses for rain barrels, filter strips and detention basins

Discuss stormwater best management practices such as permeable pavers and vegetated roofs

Review case studies and discuss maintenance considerations

Continuing Education Credits

Professional Engineers
7.0 PDHs

**Architects &
Landscape Architects**
7.0 HSW CEHs
7.0 AIA LU|HSW
7.0 LA/CES HSW PDHs

Floodplain Managers
7.0 ASFPM CECS

Contractors
Non-Credit Continuing Ed.



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Faculty

Brad Flack, CPESC, CESSWI, CAS *President & CEO of Integrity Stormwater*

Mr. Flack has earned his designation, among select thousands in the world, as a certified professional in erosion and sediment control (CPESC) as well as his designation as a certified erosion, sediment and stormwater inspector (CESSWI) and a course instructor, lending his experience and training to his customers for all of their stormwater needs. Furthermore he is among the select few who are qualified compliance inspectors of stormwater (QCIS). He has served as the president and the administrative vice president of the South Central Chapter of the International Erosion Control Association (IECA). Mr. Flack was the Region 6 president for EnviroCert International and has served as the Region 7 representative for CPESC, Inc. He was technical vice-chair for the CPESC Council, and he is on the Education Committee: Stormwater Management Track for the International Erosion Control Association Region 1 which encompasses North America, South America and Europe, where he has served as chair. Mr. Flack was awarded Young Professional of the Year for 2014 by the IECA Region 1 and is also an IECA Mentor. He also served as a member of the Policies and Procedures Committee and the Certified Professional in Industrial Stormwater Management Committee for EnviroCert International. He is an EnviroMentor for the Texas Commission on Environmental Quality (TCEQ) as well as a member of the TCEQ Houston Area Small Business Advisory Council. Mr. Flack has been involved with stormwater management since 2004, when he learned about permitting, turf establishment, erosion control and detention pond maintenance. He has since continued to learn and develop his stormwater knowledge and skills and is now a speaker at many conferences sharing his expertise across the US and internationally. He is married to his high school sweetheart and they have three boys. He works both locally and internationally on humanitarian projects and in missionary service.

Seminar Information

Pan American Conference and Media Center 601 Poydras Street, 11th Floor New Orleans, LA 70130 (504) 200-5730	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
\$289 for individual registration
\$269 for three or more registrations.
Included with your registration: *Complimentary continental breakfast and printed seminar manual.*

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

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 self-study package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects in most states, including Louisiana. Educators and courses are not subject to preapproval in Louisiana. HalfMoon Education is an approved continuing education sponsor for Florida engineers and architects.

This seminar offers 7.0 HSW CEHs to Louisiana landscape architects. Educators and courses are not subject to preapproval.

This course is approved by the American Institute of Architects Continuing Education System for 7.0 LU|HSW (Sponsor No. J885) and by the Landscape Architecture Continuing Education System for 7.0 HSW PDHs. The Louisiana State Board of Architectural Examiners accepts programs approved by the American Institute of Architects. Only full attendance can be reported to the AIA/CES and LA/CES. Visit www.halfmoonseminars.org for complete AIA information under this course listing.

The Association of State Floodplain Managers has approved this event for 7.0 CECs.

This course offers a non-credit continuing education opportunity for construction contractors. It is not approved in any state with a contractor continuing education requirement.

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.

Additional Learning

- Webinar Series**
- Solar Photovoltaic Project Design and Development**
- **Solar Photovoltaic Project Design and Development, Part I**
Wed., October 2, 2019, 11:00 AM - 2:15 PM CDT
 - **Solar Photovoltaic Project Design and Development, Part II**
Thurs., October 3, 2019, 11:00 AM - 2:15 PM CDT

- Special Inspections**
- **Introduction to Chapter 17: Special Inspections**
Thurs., October 10, 2019, 11:00 AM - 12:30 PM CDT
 - **Soils and Foundations**
Thurs., October 10, 2019, 1:00 - 2:30 PM CDT
 - **Reinforced Concrete and Structural Steel**
Fri., October 11, 2019, 11:00 AM - 12:30 PM CDT
 - **ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations**
Fri., October 11, 2019, 1:00 - 2:30 PM CDT

- Component Tolerance Analysis**
- **Introduction to Component Tolerance Analysis**
Thurs., October 17, 2019, 11:00 AM - 12:00 PM CDT
 - **Dimensional Tolerance Analysis**
Thurs., October 17, 2019, 12:30 - 3:00 PM CDT
 - **Application of Dimensional Tolerance Analysis**
Fri., October 18, 2019, 11:00 AM - 2:15 PM CDT

- National Electrical Code**
- **National Electrical Code, Part I**
Tues., October 22, 2019, 11:00 AM - 3:30 PM CDT
 - **National Electrical Code, Part II**
Wed., October 23, 2019, 11:00 AM - 3:30 PM CDT
 - **National Electrical Code, Part III**
Thurs., October 24, 2019, 11:00 AM - 3:30 PM CDT

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

Can't Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!
Audio recordings of this seminar are available for purchase starting at \$269. 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.

Registration

Stormwater Best Management Practices
New Orleans, LA - Friday, November 8, 2019

How to Register Online: www.halfmoonseminars.org Phone: 715-835-5900 Fax: 715-835-6066 Code: Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278 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.
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Tuition

() **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.

() **I am not attending.** Please send me the self-study package:

☐ Downloadable MP3 Audio/PDF Manual for **\$269.00**.

☐ CD/Manual Package for **\$289.00**.

(S&H included. Please allow five weeks from seminar date for delivery)

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