

Agenda

Presented by Brad Flack, CPESC, CESSWI, CAS

Erosion and Sediment Control Requirements and Practices

- Environmental Protection Agency regulations
- State-specific requirements
 - Requirements, applicability and exclusions
 - Stormwater Pollution Prevention Plan requirements

Goals and Selection of Erosion and Sediment Control Practices

- Practices that minimize site disturbance
- Preservation of native vegetation
- Selecting appropriate practices for disturbed areas on the construction site

Non-Structural Erosion and Sediment Control Best Practices

- Temporary and permanent seeding, sodding and mulching
- Use of geotextiles
- Chemical soil stabilization
- Establishment of buffer zones

Stream and Bank Stabilization

- Stream bank erosion protection
- Bank stabilization and repair

Structural Erosion and Sediment Control Practices

- | | |
|---------------|-------------------|
| Earthen dikes | Drainage swales |
| Pipe drains | Subsurface drains |
| Silt fences | Berms |
| Check dams | |

Sediment Traps and Sediment Basins

- Calculating flow rates and capacity
- Designing and sizing
- Maintenance plans

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.

Erosion and Sediment Control
North Little Rock, AR - Thursday, June 28, 2018

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Learning Objectives

You'll be able to:

Explore erosion and sediment control regulations and requirements.

Identify practices that minimize site disturbance and preserve native vegetation.

Discuss stream bank erosion protection, stabilization and repair.

Explore structural erosion and sediment control practices, including earthen dikes, drainage swales and check dams.

Get tips on design and sizing of sediment traps and basins.



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Understand erosion and sediment control requirements

Explore practices that minimize site disturbance and preserve native vegetation

Discuss stream bank erosion protection, stabilization and repair

Examine structural erosion and sediment control practices, including silt fences and berms

Receive tips on designing, sizing and maintaining sediment traps and basins

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW CEHs

7.0 AIA HSW Learning Units

Landscape Architects

7.0 HSW PDHs

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 of Double Oak Storm Tex*

Mr. Flack has earned his designation, as a certified professional in erosion and sediment control as well as his designation as a certified erosion, sediment and stormwater inspector and instructor, lending his experience and training to his customers for all of their stormwater needs. 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 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 also 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 quality 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.

Here’s what past attendees had to say about the program and presenter Brad Flack:

“Very happy with the material covered and the knowledge of the presenter.” – *Civil Engineer*

“Great seminar. Very good speaker.” – *Landscape Architect*

“Good presentation.” – *Construction Project Manager*

Seminar Information

Courtyard Little Rock North
4339 Warden Road
North Little Rock, AR 72116
(501) 753-2000

Tuition
\$279 for individual registration
\$259 for three or more simultaneous registrations.
Each registration includes a 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
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar (CDT), 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.

Additional Learning

Webinar Series

HVAC Series

- **Heating, Ventilation and Air Conditioning Principles**
Thurs., June 7, 2018, 11:00 AM - 1:00 PM CDT
- **HVAC System Design Considerations**
Thurs., June 7, 2018, 1:30 - 2:30 PM CDT
- **Evaluating HVAC Systems and Equipment**
Fri., June 8, 2018, 11:00 AM - 12:00 PM CDT
- **HVAC System Controls and Techniques**
Fri., June 8, 2018, 12:30 - 2:30 PM CD

Pedestrians and Bicycle Transport Planning

- **Introduction to Current Conditions and Trends in Biking and Walking**
Thurs., June 21, 2018, 11:00 AM - 12:30 PM CDT
- **Engineering and Infrastructure: Design for Walkability and Bikeability**
Thurs., June 21, 2018, 1:00 - 2:30 PM CDT
- **Developing a Walking and Biking Plan, Part I**
Fri., June 22, 2018, 11:00 AM - 12:30 PM CDT
- **Developing a Walking and Biking Plan, Part II**
Fri., June 22, 2018, 1:00 - 2:30 PM CDT

Introduction to Vibrations

- **Introduction to Vibrations**
Thurs., June 14, 2018, 11:00 AM - 1:00 PM CDT
- **Eigenvalues, Eigenvectors and Motion**
Thurs., June 14, 2018, 1:30 - 3:00 PM CDT
- **Analysis and Test Methods**
Fri., June 15, 2018, 11:00 AM - 12:30 PM CDT
- **Designing for Vibration and Failure Analysis**
Fri., June 15, 2018, 1:00 - 2:30 PM CDT

Structural Forensic Engineering

- **Introduction to the forensic Engineering Process**
Thurs., June 28, 2018, 11:00 AM - 1:00 PM CDT
- **Causes and Failures and the Forensic Engineering Report**
Thurs., June 28, 2018, 1:30 - 3:30 PM CDT
- **Forensic Examination of Structures and Use in Litigation**
Fri., June 29, 2018, 11:00 AM - 1:00 PM CDT

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

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 all states, except Florida architects. Educators and courses are not subject to preapproval in Arkansas.

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

This event is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885) and the Landscape Architect Continuing Education System for 7.0 HSW PDHs. Courses approved by the LA/CES qualify for Arkansas landscape architects. Only full attendance can be reported to the AIA/CES and LA/CES.

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

This course offers a continuing education opportunity for construction contractors. It has not been approved by any state contractor licensing entity.

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

Erosion and Sediment Control

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____
	Company/Firm: _____
	Address: _____
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	Email: _____
	Phone: _____
Fax: 715-835-6066	Additional Registrants:
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	Occupation: _____
	Email: _____
	Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	Name: _____
	Occupation: _____
	Email: _____
	Phone: _____
Complete the entire form. Attach duplicates if necessary.	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: *Mastercard, Visa, American Express, or Discover*

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