

Agenda

Presented by Katherin Steinbacher

Erosion and Sediment Control Requirements and Practices

- Environmental Protection Agency regulations
- State erosion and sediment control regulations
 - Standards and specifications
 - Permitting, approval and enforcement

Goals for and Selection of Erosion and Sediment Control Practices

- Causes of erosion and sedimentation
- 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

Erosion and Sediment Control
St. Louis, MO - Wednesday, June 13, 2018

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PO Box 278
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Learning Objectives

You'll be able to:

Understand causes of erosion and sedimentation.

Comply with U.S. EPA, state and local regulations.

Review nonstructural erosion control practices, including geotextiles and chemical stabilization.

Evaluate structural erosion control practices, including earthen dikes and drainage swales.

Discuss practices that minimize site disturbance.

Establish plans for inspection, monitoring and maintenance.



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Understand federal, state and local erosion and sediment control requirements.

Identify the goals for selecting erosion and sediment control practices.

Examine structural and non-structural erosion and sediment control practices.

Discuss sediment traps and sediment basins.

Learn about inspection, monitoring and maintenance.

Continuing Education Credits

Architects & Landscape Architects

6.5 HSW CEUs/CE Hours
6.5 AIA HSW Learning Units
6.5 LA/CES HSW PDHs

Floodplain Managers

6.5 ASFPM CECS

Contractors

Non-Credit Continuing Ed.

Professional Engineers

6.5 PDHs



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Faculty

Katherin Steinbacher *CFS Engineers*

Ms. Steinbacher is a professional engineer with over 20 years of experience specializing in stormwater management and erosion and sediment control issues. She regularly consults for contractors, developers, industry, and municipalities at the state and federal levels. Ms. Steinbacher has been responsible for the preparation and implementation of numerous stormwater pollution prevention plans (SWPPPs) for projects throughout the United States. She is a graduate of the University of Kansas. Ms. Steinbacher is a nationally recognized speaker on stormwater management and erosion control topics.

Seminar Information

Holiday Inn Forest Park
5915 Wilson Avenue
St. Louis, MO 63110
(314) 645-0700

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 a job description, go online to www.halfmoonseminars.org.

How to Register

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- 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.

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 - 2:00 CDT
- **Site Planning**
Thurs., April 26, 2018, 11:00 AM - 12:00 PM CDT
- **Long-term Post Construction Management Practices**
Friday, April 26, 2018, 12:30 PM - 2:00 CDT

Community Solar and Rooftop Solar

- **Community Solar**
Wed., May 2, 2018, 11:00 AM - 2:15 PM CDT
- **Design Your Solar Roof**
Thurs., May 3, 2018, 11:00 AM - 2:15 PM CDT

Complying with Fire and Building Codes

- **Introduction to Fire Protection and Life Safety Design**
Thurs., May 3, 2018, 11:00 AM - 12:30 PM CDT
- **Occupancy Classifications**
Thurs., May 3, 2018, 1:00 - 2:30 PM CDT
- **Means of Egress**
Fri., May 4,, 2018, 11:00 AM - 1:00 PM CDT
- **Fire Protection Features and Occupancy Exercises**
Fri., May 4, 2018, 1:30 PM - 3:30 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 6.5 PDHs to engineers in all states and 6.5 HSW CEUs/continuing education hours to architects in all states, except Florida architects. This course also offers 6.5 CEUs to Missouri landscape architects. Educators and courses are not subject to preapproval in Missouri.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Provider No. J885), and it is approved by the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/CES and to LA/CES.

HalfMoon Education is deemed an approved continuing education sponsor for New York architects. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota.

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

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

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.

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.

Registration

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How to Register		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.
Online: www.halfmoonseminars.org		
Phone: 715-835-5900		
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Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		
Complete the entire form. Attach duplicates if necessary.		

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: _____