

Agenda

Presented by Randall Shuey, CPESC, CESSWI

NPDES/SPDES Rules and Regulations

- Review of new regulation changes
- Understanding and managing a stormwater pollution prevention plan
- Inspection and reporting protocols
- Corrective action requirements and timeframe for compliance

Principles and Practices of Erosion Prevention and Sediment Control

- Causes of erosion
- Importance of vegetation
- LID and other practices to minimize site disturbance
- Vegetation establishment 101

Non-structural Best Management Practices for Erosion Prevention/Sediment Control

- Using riparian areas/buffer zones and vegetated filter strips
- Temporary and permanent seeding, sodding and mulching
- Chemical soil stabilization

Structural BMPs for Erosion Prevention/Sediment Control

- | | |
|----------------------|--|
| Rock rip rap | Straw wattles |
| Compost filter socks | Geotextile tubes |
| Silt fence | Berms |
| Pipe slope drains | De-watering bags |
| Check dams/swales | Inlet protection |
| Hay/straw bales | Temporary and permanent erosion control blankets |
| Gabion baskets | Reno mattresses |

Green Engineering for Streambank and Shoreline Stabilization

- | | |
|----------------|-----------------------|
| Brush layering | Engineered log jams |
| Fascines | Coir logs |
| Log vanes | Reinforced vegetation |

Sediment Traps and Sediment Basins

- Design considerations
- Calculating flow rates and capacity
- Improving effectiveness
- Maintenance

Erosion Prevention and Sediment Control
Rochester, NY - Friday, April 5, 2019

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Learning Objectives

You'll be able to:

Understand new regulation changes as well as inspection and reporting protocols.

Identify causes of erosion and discuss the importance of vegetation.

Explore structural and non-structural best management practices, including silt fences, berms, rip rap, check dams and chemical soil stabilization.

Learn about design considerations for sediment traps and sediment basins.

Understand stream and bank stabilization methods that use green engineering such as brush layering and engineered log jams.



Erosion Prevention and Sediment Control

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Understand the fundamentals of erosion and sediment control

Explore federal and New York regulations that apply to erosion and sediment control on construction sites

Learn about structural and non-structural erosion and sediment control best management practices

Discuss sediment traps and sediment basin design

Consider green engineering for streambank and shoreline stabilization

Continuing Education Credits

Architects & Landscape Architects

- 6.5 HSW Continuing Ed. Hours
- 6.5 AIA HSW Learning Units
- 6.5 LA CES HSW PDHs

Professional Engineers

- 6.5 Continuing Ed. Hours

Floodplain Managers

- 6.5 ASFPM CECs

Contractors

- Non-Credit Continuing Ed.



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Faculty

Randall Shuey, CPESC, CESSWI *Northpoint Engineering*

Mr. Shuey is a senior environmental scientist with Northpoint Engineering in Concord, New Hampshire. He is a certified wetland and soil scientist. Mr. Shuey served on the boards of state regional and national environmental organizations and is currently the regional coordinator for the EnviroCert International Program that certifies stormwater professionals.

For more than 25 years he has been helping clients navigate through regulations associated with their construction sites. His work involves providing solutions that balance client goals and regulatory requirements. Mr. Shuey's project experience includes various development types, road and airport construction, and wetland and bio-stabilization projects. Mr. Shuey is a part of the International Erosion Control Association faculty, and he is an EnviroCert International approved trainer.

Additional Learning

Webinar Series

National Electrical Code

- **National Electrical Code, Part I**
Wed., March 6, 2019, 11:00 AM - 3:30 PM CST
- **National Electrical Code, Part II**
Thurs., March 7, 2019, 11:00 AM - 3:30 PM CST
- **National Electrical Code, Part III**
Fri., March 8, 2019, 11:00 AM - 3:30 PM CST

Commercial Solar Peaker Batteries

- **Commercial Solar Peaker Batteries, Part I**
Wed., March 13, 2019, 11:00 AM - 3:15 PM CDT
- **Commercial Solar Peaker Batteries, Part II**
Thurs., March 14, 2019, 11:00 AM -2:15 PM CDT

Handling Ethical Issues in Professional Engineering Practice

Fri., March 15, 2019, 11:00 AM -12:00 PM CDT

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

Structural Forensic Engineering

- **Introduction to Forensic Engineering Process**
Wed., March 27, 2019, 11:00 AM -1:00 PM CDT
- **Causes of Failures and the Forensic Engineering Report**
Wed., March 27, 2019, 1:30 -3:30 PM CDT
- **Forensic Examination of Structures and Use in Litigation**
Thurs., March 28, 2019, 11:00 AM -1:00 PM CDT

Foundation Damage and Repair

- **Structure Loads, Soil Mechanics, Bearing Capacity and Geo-Environmental Hazards**
Thurs., March 28, 2019, 11:00 AM -12:30 PM CDT
- **Foundation-Wall Design and Construction**
Thurs., March 28, 2019, 1:00 -2:30 PM CDT
- **Assessment of Foundation-Slab Damage & Repair Alternative**
Fri., March 29, 2019, 11:00 AM -12:30 PM CDT
- **Assessment of Foundation-Retaining Wall Damage & Repair Alternatives**
Fri., March 29, 2019, 1:00 -2:30 PM CDT

Registration

Erosion Prevention and Sediment Control

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Name: _____ 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.	

Seminar Information

Doubletree Hotel Rochester 1111 Jefferson Road Rochester, NY 14623 (585) 475-1510	Registration 8:00 - 8:30 am Morning Session 8:30 - 11:45 am	Lunch (On your own) 11:45 am - 12:45 pm Afternoon Session 12:45 - 4:30 pm
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Tuition

\$289 for individual registration.
\$269 for three or more simultaneous registrations.

Included with your registration:

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 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 up to 6.5 HSW continuing education hours to architects, landscape architects, and professional engineers in most states, including New York.

HalfMoon Education is deemed a New York-approved continuing education provider for architects and landscape architects via its affiliation with the American Institute of Architects. HalfMoon Education is an approved continuing education provider for New York engineers (NYSSED Sponsor No. 35) and New Jersey professional engineers (Approval No. 24GP00000700).

This event is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/CES and LA/CES. Courses approved by the AIA qualify for New Jersey architects.

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

The New Jersey State Board of Architects has approved this course for 6.0 continuing education hours.

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.

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.

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.

Checks: Make payable to HalfMoon Education Inc.

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