

Agenda

NPDES Rules and Regulations

- Review of new regulation changes
- Understanding and managing a SWPPP
- 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 BMP's for Erosion Prevention / Sediment Control – Temporary Perimeter BMPs

- | | |
|------------------------|----------------------|
| Construction Entrances | Compost Filter Socks |
| Silt Fence | Straw Bales |
| Wood Chip Filter Berm | Rock Filter |

Structural BMP's for Erosion Prevention / Sediment Control – Temporary Internal BMPs

- | | |
|-----------------------|---------------------------------|
| Sediment Traps/Basins | Diversion Swales |
| Inlet Protection | Pipe Slope Drains |
| Rock Filters | Concrete Washouts |
| Pumped Filter Bags | Erosion Control Blankets (ECBs) |

Structural BMP's for Erosion Prevention / Sediment Control – Permanent BMPs

- | | |
|----------------------------|------------------------------------|
| Rip-rap/Energy Dissipators | Spillway Protection |
| Level Spreader | Turf Reinforcement Matting (9TRMs) |
| Channel Linings | Anti-Seep Collars |

Green Engineering for Streambank and Shoreline

- | | |
|-------------------------------------|-----------------------|
| Brush Layering | Coir Logs |
| Soil Lifts/Encapsulated Soil Layers | Reinforced Vegetation |
| Log Vanes | |

Erosion Prevention and Sediment Control
Secaucus, NJ - Friday, May 17, 2019



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

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Learning Objectives

You'll be able to:

Understand new NPDES regulation changes and review inspection and reporting protocols.

Identify causes of erosion and discuss the importance of vegetation.

Explore non-structural best management practices, such as buffer zones and vegetated filler strips for erosion prevention and sediment control.

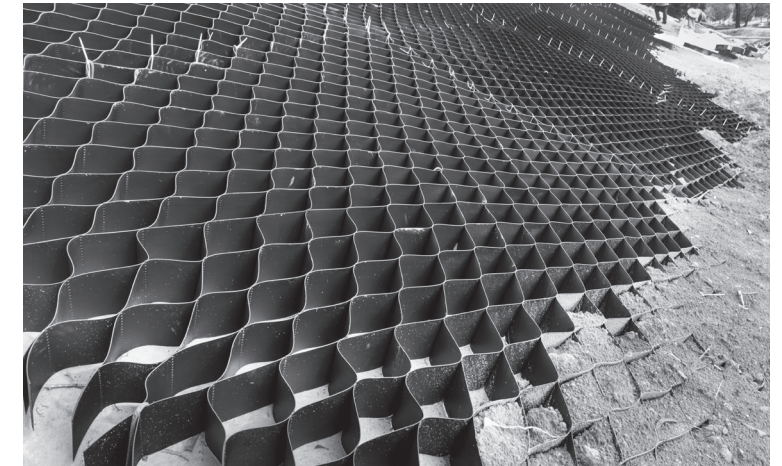
Discuss structural best management practices, including rock rip rap, silt fence, geotextile tubes and berms.

Evaluate stream and bank stabilization methods 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 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

Review green engineering for streambank and shoreline stabilization

Continuing Education Credits

Professional Engineers

6.5 CPC Credits/PDHs

Architects

6.5 HSW Contact Hours

6.5 AIA HSW Learning Units

Landscape Architects

6.0 NJ Continuing Ed. Hours

6.5 LA CES HSW PDHs

Floodplain Managers

6.5 ASFPM CECs



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Faculty

Mark D. Jones, P.E. *Principal, Hartech Engineering & Consulting, LLC*

Mr. Jones, PE, is president of Hartech Engineering which was founded in 2007 as a multi-discipline civil engineering consulting firm providing infrastructure, development and municipal design services for the public and private sectors. Bringing over 30 years of engineering expertise along with specific state-of-the-art, computer-aided technology to achieve efficient, cost saving design solutions, he also provides hydrology and hydraulic studies and reports along with general civil engineering support for prime consultants to PennDOT or local municipality projects. Mr. Jones is a licensed pilot and studied Military Civil Engineering while serving in the USAF, and he continues his masters education locally through Penn State. He is a registered professional engineer in the states of Pennsylvania, Maryland, Arizona and Georgia.

Additional Learning

Webinar Series

Soil Engineering

- **Introduction to Soil Engineering**
Thurs., April 25, 2019, 11:00 AM - 12:30 PM CDT
- **Design of Excavation Support Systems**
Thurs., April 25, 2019, 1:00 - 2:30 PM CDT
- **Slope Repair Techniques**
Fri., April 26, 2019, 11:00 AM - 12:30 PM CDT
- **Soil Engineering after College: Practical Approaches to Foundations and Retaining Structures**
Fri., April 26, 2019, 1:00 - 2:30 PM CDT

Solar Photovoltaic Project Design and Development

- **Solar Photovoltaic Project Design and Development, Part I**
Wed., May 1, 2019, 11:00 AM - 2:30 PM CDT
- **Solar Photovoltaic Project Design and Development, Part II**
Thurs., May 2, 2019, 11:00 AM - 2:30 PM CDT

Current Issues in Schoolyard Landscape Architecture

- **Current Issues in Schoolyard Landscape Architecture: Part 1**
Wed., April 24, 2019, 11:00 AM - 2:30 PM CDT
- **Current Issues in Schoolyard Landscape Architecture: Part 2**
Thurs., April 25, 2019, 11:00 AM - 2:30 PM CDT

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

Seminar Information

Holiday Inn Secaucus Meadowlands

300 Plaza Drive
Secaucus, NJ 07094
(201) 348-2000

Registration 8:00 - 8:30 am	Lunch (On your own) 12:00 - 1:00 pm
Morning Session 8:30 am - 12:00 pm	Afternoon Session 1:00 - 4:30 pm

Tuition

\$289 for individual registration

\$269 for three or more simultaneous registrations from the same company at the same time.

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 6.5 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 6.5 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 6.0 continuing education hours for landscape architects. The Landscape Architecture Continuing Education System has approved this event for 6.5 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, Maryland, New York (NYSED Sponsor No. 35), North Carolina, and North Dakota.

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

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

Erosion Prevention and Sediment Control

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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: _____	
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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 - **\$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)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: Mastercard, Visa, American Express, or Discover

Credit Card Number: _____

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