

# 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 (BMPs)/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                     |
| 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

- Riprap/energy dissipators
- Spillway protection
- Level spreader
- Turf reinforcement matting (TRMs)
- Channel linings
- Anti-seep collars

## Green Engineering for Streambank and Shoreline Stabilization

- Brush layering
- Coir logs
- Soil lifts/encapsulated soil layers
- Reinforced vegetation
- Log vanes

## Erosion Prevention and Sediment Control

Plymouth Meeting, PA or Online - Thurs, Sept. 21, 2023

NON-PROFIT  
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EAU CLAIRE, WI  
PERMIT NO. 2016

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



## 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** temporary structural best management practices, including rip rap, silt fences, rock filters and wood chip filter berms.

**Evaluate** stream and bank stabilization methods such as brush layering and log vanes.

## Live, In-Person Seminar and Live Webcast

# Erosion Prevention and Sediment Control

*Plymouth Meeting, PA or Online  
Thursday, September 21, 2023*



**Examine** the NPDES rules and regulations and review of new regulation changes

**Explore** LID and other practices to minimize site disturbance

**Discuss** non-structural best management practices for erosion prevention and sediment control, such as compost filter socks and silt fences

**Consider** spillway protection, level spreaders, turf reinforcement, matting (TRMs) and other permanent BMPs

**Learn** how to implement GREEN engineering practices for streambank and shoreline stabilization

## Continuing Education Credits

### Professional Engineers

6.5 PDHs

### Architects

6.5-Hour

Learning Opportunity  
AIA 6.5 HSW LUs

### Landscape Architects

6.5 HSW CE Hours

6.5 HSW PDHs

### Floodplain Managers

6.5 ASFPM CECs

### International Code Council

.65 CEUs (Sitework)



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# Seminar/Webcast Information

**Courtyard Philadelphia Plymouth Meeting**  
651 Fountain Road  
Plymouth Meeting, PA 19462  
610-238-0695

<b>Registration/Log in</b> 8:00 - 8:30 am EDT	<b>Lunch (on your own)</b> 12:00 - 1:00 pm EDT
<b>Morning Session</b> 8:30 am - 12:00 pm EDT	<b>Afternoon Session</b> 1:00 - 4:30 pm EDT

**Webcast Information:**  
Webcasts are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar.  
For system requirements, please visit the FAQ section of our website, or visit [www.gotowebinar.com](http://www.gotowebinar.com).

**Tuition**  
**\$319** for individual registration  
**\$289** for three or more registrants from the same company at the same time.  
**Included with your registration:** PDF Seminar Manual.

**How to Register**

- Visit us online at [www.halfmoonseminars.org](http://www.halfmoonseminars.org)
- Call customer service at 715-835-5900

**Cancellations:** Transfer from seminar to webinar or from webinar to seminar at any time without charge! Cancel at least 48 hours before the start of the seminar/webinar, 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/webinar.. You may also authorize another person to take your place.

Learn More and Register:  
**[www.halfmoonseminars.org](http://www.halfmoonseminars.org)**  
Customer Service (715) 835-5900 Ext. 1

or scan here



# Faculty

**Mark D. Jones, P.E.**  
*Principal, Hartech Engineering & Consulting, LLC*  
Mr. Jones, P.E. 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 continues his master’s education locally through Penn State. Additionally, he is also a registered professional engineer in the states of Pennsylvania, Maryland, Arizona, and Georgia.

# Additional Learning

- Open Channel Hydraulics and Design**  
- Friday, August 25, 2023 | 10:00 am - 5:30 pm EDT
- Single-Family National Green Building Standard**  
- Wednesday, August 30, 2023 | 10:00 am - 5:30 pm EDT
- Storm Sewer, Sanitary Sewer, and Natural Gas Systems Design: for Non-Plumbing Professionals**  
- Wednesday, August 30, 2023 | 11:00 am - 2:30 pm EDT
- Slope Stabilization and Landslide Prevention**  
- Thursday, September 7, 2023 | 9:30 am - 6:00 pm EDT
- Circular Construction: Sustainable Structures through Design and Deconstruction**  
- Tuesday, September 12, 2023 | 11:00 am - 1:00 pm EDT
- Road to Net-Zero Water: Alternate Sources for Irrigation**  
- Wednesday, September 13, 2023 | 3:00 - 5:00 pm EDT
- Biostabilization Improvements on Steep to Moderate Slopes**  
- Thursday, September 14, 2023 | 11:00 am - 1:00 pm EDT
- Handling Ethical Issues in Construction Contracting**  
- Wednesday, September 20, 2023 | 10:00 - 11:00 am EDT
- Reducing Upfront Carbon Emissions from Building Materials**  
- Thursday, September 21, 2023 | 11:00 am - 1:15 pm EDT
- Deep Dive into Invasive Landscape Plants**  
- Tuesday, September 26, 2023 | 10:00 - 11:30 am EDT

For more information and other online learning opportunities visit:  
**[www.halfmoonseminars.org](http://www.halfmoonseminars.org)**

# Credit Information

This seminar and concurrent webcast are open to the public and are designed to qualify for 6.5 PDHs for professional engineers and 6.5 HSW continuing education hours for licensed landscape architects in Pennsylvania. Professionals seeking continuing education credits in other states may be able to claim the hours earned at this event; please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.5 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

This course has been approved by the Association of State Floodplain Managers for 6.5 CECs for floodplain managers.

Attendance will be monitored, and attendance certificates will be available after the course for those who attend the entire course and score a minimum of 80% on the quiz that follows the course (multiple attempts allowed).

**On-Demand Credits**  
The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:  
6.5 HSW LUs (AIA)  
6.5 HSW PDHs (LA CES)  
6.5 ASFPM CECs

**Can’t Attend? Order the Webinar as an On-Demand Package!**  
Recordings of this webinar are available for purchase. See details online 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.