Agenda

Presented by Peter M. Hanrahan, CPESC

Agenda Day One:
Thursday, April 11, 2024 | 9:00 am - 1:15 pm CST

Erosion and Sediment Control Requirements
- The Clean Water Act of 1972
- Impact of construction and development
- Environmental Protection Agency (EPA) requirements
- Local standards and specification
- Permitting, approval and enforcement

Goals for and the Selection of Erosion and Sediment Control Practices
- Causes of erosion and sedimentation
- Preserving native vegetation
- Minimizing site disturbance
- The importance of buffer zones

Preparing Erosion and Sediment Control Plans
- Minimizing disturbance
- Preserving native vegetation
- Selecting appropriate best management practices
- Sample plan review

Sediment Control Best Management Practices
- Perimeter protection
- Dewatering
- Dust control
- Sediment trapping
- Concentrated flow protection
- Flocculant applications
- Stormwater inlet protection
- Temporary diversions

Understanding Critical Subsurface Site Issues
- Hydraulic problems
- Ground stabilization

Agenda Day Two:
Friday, April 12, 2024 | 9:00 am - 1:15 pm CST

Erosion Control Best Management Practices
- Soil testing
- Sod installation
- Erosion control blankets
- Turf reinforcement
- Gabions and reno mattresses
- Retaining walls
- Seeding and seed bed protection
- Mulching
- Hydroseeding and hyrdomulching
- Cellular confinement
- Porous pavement
- Mechanically stabilized earth

Streambank and Shoreline Protection – Bioengineering and More
- Coir fiber rolls and mats
- Fascines
- Lunkers
- Rock vanes/cross vanes
- Live staking
- Controlling invasive species

Drainage and Ground Stabilization Best Management Practices
- Surface drainage
- Concentrated flow drainage
- Stormwater storage
- Subsurface drainage
- Geotextiles and geogrids

Operations and Maintenance Planning

Erosion and Sediment Control
Online - Thursday, April 11 and Friday, April 12, 2024

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

Learning Objectives

You'll be able to:

Discuss permitting, approval, and enforcement for erosion and sediment control practices.

Identify the causes of erosion and sedimentation and discuss strategies for minimizing site disturbance.

Review a sample erosion and sediment control plan.

Explore appropriate best management practices, including seeding, sodding, erosion control blankets and mechanically stabilized earth.

Examine the use of geotextiles and geogrids for ground stabilization.

HalfMoon Education Live Webinars

Erosion and Sediment Control

Live, Interactive Webinar
Thursday, April 11, 2024 | 9:00 am - 1:15 pm CST
Friday, April 12, 2024 | 9:00 am - 1:15 pm CST

Review erosion and sediment control requirements

Learn about preparing erosion and sediment control plans

Explore erosion and sediment control best practices

Discuss streambank and shoreline protection

Understand drainage and ground stabilization practices

Talk about maintenance concerns

Continuing Education Credits

Professional Engineers
8.0 PDHs

Architects
8.0 HSW CE Hours
8.0 AIA LU|HSW

Landscape Architects
8.0 HSW CE Hours
8.0 LA CES HSW PDHs

International Code Council
.8 CEUs (Sitework)

Floodplain Managers
8.0 ASFPM CECs

AIA Continuing Education Provider
LA CES

ICC PREFERRED EDUCATION PROVIDER

HalfMoon Education Inc.
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Webinar Information

Day One: Thursday, April 11, 2024
9:00 am - 1:15 pm CDT (including a 15-min. break)

Day Two: Friday, April 12, 2024
9:00 am - 1:15 pm CDT (including a 15-min. break)
(please log into the webinar 15 - 30 minutes before start time)

Tuition

$319 for individual registration.
$289 for two 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
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Faculty

Peter M. Hanrahan, CPESC
Hanrahan Environmental, LLC, Topsham, ME

Mr. Hanrahan has more than 45 years of industry experience. In addition to presentations in Canada, Taiwan and the Dominican Republic, he has also presented at the national level for many organizations, including the International Erosion Control Association, Land Improvement Contractors of America, the Geotechnical Fabrics Institute, the National Working Waterfront Network, and the American Water Works Association. His articles have been published in many magazines, including *Erosion Control*, *Land & Water*, *Geosynthetics*, and *Landscape Architect & Specifier News*. Mr. Hanrahan has produced webinars for the International Erosion Control Association, the International Association of Hydroseeding Professionals, the New York State Society of Professional Engineers, and Forester University. He has also served as a guest lecturer at the University of Mississippi, Ohio Northern University, University of New England, and Vermont Technical College. He has also been active in industry organizations. He was national president of the International Management Council in 1991-92, and also served four terms as president of the Northeast Chapter of the International Erosion Control Association. He is also a member of the Senior Advisory Committee of Envirocert. Mr. Hanrahan has developed and delivered training events throughout his career. From 2008 to the present, he has organized coastal erosion control training events up and down the New England Coast, with multiple seminars in Maine, New Hampshire, Massachusetts, Rhode Island and Connecticut. Event co-sponsors for these events have included the Maine Department of Environmental Protection, Maine Sea Grant, the Rhode Island Coastal Management Council, the University of Rhode Island Coastal Resources Center, Connecticut College and Connecticut Sea Grant. He has also assisted with the development of erosion control standards with the Illinois Tollway Authority, and the State Departments of Transportation in New Hampshire, Vermont, Maine, Oklahoma, Missouri, Arkansas and Illinois.

Credit Information

This webinar is open to the public and is designed to qualify for 8.0 PDHs for professional engineers, 8.0 HSW continuing education hours for licensed architects, and 8.0 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), 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 8.0 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 8.0 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .8 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

This Association of State Floodplain Managers has approved this course for 8.0 CECs for floodplain managers.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 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:
8.0 HSW LUs (AIA), 8.0 HSW PDHs (LA CES), 8.0 ASFPM CECs

Additional Learning

Trails and Greenways Design, Construction, and Management
- Thursday, February 29, 2024 | 9:00 am - 4:00 pm CST

NPDES Stormwater Management Program 2024
- Thursday, March 7, 2024 | 8:30 am - 4:30 pm CST

Tracking the Railroads
- Thursday, March 7, 2024 | 11:00 am - 3:30 pm CST

Federal and State Nutrient Reduction Strategies and Plans
- Monday, March 11, 2024 | 9:00 am - 4:30 pm CDT

Working with Old Deeds and Descriptions
- Monday, March 11, 2024 | 12:00 - 3:30 pm CDT

From 1620 to 2024: Metes and Bounds Land Description Workshop
- Friday, March 15, 2024 | 9:00 am - 4:00 pm CDT

Stormwater Best Management Practices
- Friday, March 15, 2024 | 9:00 am - 4:15 pm CDT

Sustainable Site Design
- Wednesday, March 20, 2024 | 8:30 am - 4:00 pm CDT

Public Water Systems
- Thursday, March 21, 2024 | 9:00 am - 4:30 pm CDT

Forensic Engineering Concepts & Case Studies
- Friday, March 22, 2024 | 7:30 am - 4:00 pm CDT

The Arborist Short Course:
Advanced Tree Knowledge for Better Tree Care
- Friday, March 22, 2024 | 9:00 am - 4:30 pm CDT

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