

Agenda

Presented by Carl Menconi, CPESC

Understanding Stormwater Permit Requirements and Procedures

Background and development of national and state regulations and permit requirements:

- Federal Clean Water Act and state stormwater rules

Activities exempt from construction general stormwater permit requirements

Complying with NPDES and state requirements

- Notice of intent requirements
- What the permit covers and does not cover
- Application process
- General requirements and standard conditions
- Implementing, monitoring and assessing stormwater management plans

Understanding and Applying the Science of Stormwater

Hydrology, soil science and drainage

Identifying consequences of storm events

Stormwater modeling

Runoff reduction, routing and storage

Infiltration and percolation

Choosing Appropriate Stormwater Best Management Practices (BMPs)

Stormwater management planning

Sizing criteria

Green infrastructure practices

- Preservation of natural features and conservation design
- Reducing impervious cover

Green management techniques

- Conservation of natural areas
- Detention/retention ponds
- Riparian buffers and filter strips
- Vegetated swales
- Disconnected runoff
- Stream daylighting
- Rain gardens
- Green roofs
- Stormwater planters
- Rain barrels/cisterns
- Pervious pavement

Developing Stormwater Pollution Management Plans

Including required elements

Assessing building sites

Choosing best management practices (BMPs)

Planning for required inspection, maintenance and recordkeeping

Obtaining plan certification

Implementing stormwater plans

Developing Plans for Inspection, Monitoring, Maintenance and Recordkeeping

Understanding the science and terminology of stormwater management and monitoring

Implementing monitoring plans

Reviewing stormwater BMP case studies

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Stormwater Management in the Pacific Northwest 2022

Live, Interactive Webinar - Tuesday, June 7, 2022

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Learning Objectives

You'll be able to:

Explore NPDES and state stormwater permitting.

Discuss runoff reduction, routing, and storage.

Examine green management techniques, including vegetated swales, rain gardens, pervious pavement, riparian buffers and filter strips.

Explore strategies for assessing building sites, and develop stormwater pollution management plans.

Review stormwater BMP case studies.



HalfMoon Education Live Webinars

Stormwater Management in the Pacific Northwest 2022

Live, Interactive Webinar - Tuesday, June 7, 2022



Understand stormwater permit requirements and procedures

Explore the science of stormwater

Implement stormwater best management practices

Develop stormwater pollution management plans

Discuss inspection, monitoring, and maintenance of stormwater management systems

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW CE Hours

7.0 AIA LU | HSW

Landscape Architects

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7.0 LA CES HSW PDHs

International Code Council

.7 CEUs (Sitework)

Floodplain Managers

7.0 ASFPM CECs



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Faculty

Carl Menconi, CPESC
Owner and Project Consultant with Environmental Project Consulting LLC
Mr. Menconi has more than 30 years of experience in environmental restoration, consulting, and training. As a Washington certified erosion and sediment control lead (CESCL), he has designed and taught many courses in erosion and sediment control and other environmental topics. He has spent a lot of time on the ground advising contractors on stormwater management and serving as a third-party inspector for King County, Washington. In addition to his diverse activities in the field of construction stormwater management, he has surveyed streams and constructed in-stream habitat projects. Mr. Menconi has also supervised and directed hand crews on stream restoration, trail construction, and other environmental restoration projects.

Added Value: Enhance your learning - a recording of this webinar will be available for attendees to stream online for two weeks after the program date. (Must attend live webinar to earn live webinar credits)

Webinar Information

Log into Webinar 8:00 - 8:30 am PDT	Break 11:45 am - 12:45 pm PDT
Morning Session 8:30 - 11:45 am PDT	Afternoon Session 12:45 - 5:00 pm PDT

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
- Mail-in or fax the attached form to 715-835-6066
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Cancellations: Cancel at least 48 hours before the start of the 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 webinar or the self-study package. You may also authorize another person to take your place.

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Additional Learning

- Retaining Wall Design and Slope Stabilization Techniques**
- Thurs, May 5, 2022 | 11:00 am - 2:15 pm CDT
- Fri, May 6, 2022 | 11:00 am - 2:15 pm CDT
- Urban Stormwater System Design and Construction**
- Thurs, May 12, 2022 | 8:30 am - 4:30 pm CDT
- Revit Basics of Building Modeling**
- Fri, May 13, 2022 | 9:00 am - 1:00 pm CDT
- Fri, May 20, 2022 | 9:00 am - 1:00 pm CDT
- The Tree Course: Science, Design, and Sustainability**
- Fri, May 13, 2022 | 9:00 am - 4:30 pm CDT
- Managing Construction Projects**
- Thurs, May 19, 2022 | 8:30 am - 5:00 pm CDT
- Site Design: Grading and Drainage**
- Fri, May 20, 2022 | 8:30 am - 4:30 pm CDT
- HEC-RAS Modeling Basics**
- Mon, May 23, 2022 | 8:30 am - 5:00 pm CDT
- Aerial Mapping Technologies and Procedures**
- Tues, May 24, 2022 | 8:30 am - 5:00 pm CDT
- How to Design a Stormwater Management System for Residential Sites**
- Tues, May 24, 2022 | 2:00 - 4:00 pm CDT
- Flood-Resistant Design and Construction**
- Wed, May 25, 2022 | 11:00 am - 2:00 pm CDT
- Thurs, May 26, 2022 | 11:00 am - 3:00 pm CDT
- Soil Mechanics, Bearing Capacity and Slope Stabilization**
- Wed, May 25, 2022 | 8:30 am - 4:30 pm CDT
- Federal Wetlands Science, Law, and Compliance**
- Fri, June 3, 2022 | 9:00 am - 4:00 pm CDT
- For more information and other online learning opportunities visit: www.halfmoonseminars.org

Continuing Education Credit Information
This webinar is open to the public and offers 7.0 PDHs to professional engineers, 7.0 HSW continuing education hours to licensed architects, and 7.0 HSW continuing education hours to landscape architects in most states that allow this learning method. Please refer to specific state rules to determine eligibility.

The American Institute of Architects Continuing Education System has approved this course for 7.0 LU|HSWs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

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, architects and landscape architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2), §69.6(i)(2) and §79-1.5(i)(2)). Other states do not preapprove continuing education providers or courses.

The Landscape Architecture Continuing Education System has approved this course for 7.0 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .7 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

This webinar has been approved by the Association of State Floodplain Managers for 7.0 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).

Registration

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Live, Interactive Webinar - Tuesday, June 7, 2022

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.
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() **I am not attending.** Please send me the webinar recording:

☐ Streamable MP4 Video/PDF Manual for **\$329.00**.

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