

Agenda

Presented by Carl Menconi

Understanding Stormwater Permit Requirements and Procedures

- Background and development of national and state regulations and permit requirements
- Activities exempt from construction general stormwater permit requirements
- Complying with NPDES and the Washington State Department of Ecology
 - Notice of intent requirements
 - What the permit covers and does not cover
 - Application process
 - General requirements and standard conditions
 - Implementing, monitoring and assessing SWPPPs

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
 - Vegetated swales
 - Stream daylighting
 - Green roofs
 - Rain barrels/cisterns
 - Proprietary practices
 - Riparian buffers and filter strips
 - Disconnected runoff
 - Rain gardens
 - Stormwater planters
 - Porous pavement

Developing Stormwater Pollution Prevention Plans (SWPPP)

- Including required elements
- Assessing building sites
- Choosing best management practices (BMPs)
- Planning for required inspection, maintenance and recordkeeping
- Obtaining plan certification

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

Stormwater Management 2020

Seattle, WA - Monday, March 30, 2020

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Learning Objectives

You'll be able to:

Comply with National Pollution Discharge Elimination Systems (NPDES) requirements for obtaining stormwater permits for new construction.

Identify the consequences of storm events, and use stormwater models to predict runoff and routing.

Choose stormwater green infrastructure practices, including conservation of natural areas and the reduction of impervious cover.

Use stormwater best management practices, including vegetated swales, rain gardens, cisterns and porous pavement.

Describe the contents of stormwater pollution prevention plans, including best management practices and plans for inspection, maintenance and recordkeeping.



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Stormwater Management 2020

Seattle, WA - Monday, March 30, 2020



Apply the science of stormwater **Understand** stormwater permit requirements and procedures **Identify** appropriate stormwater best management practices (BMPs)

Learn about developing stormwater pollution prevention plans (SWPPP)

Explore green infrastructure practices

Develop plans for inspection, monitoring, maintenance, and recordkeeping

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Faculty

Carl Menconi, CPESC, CESSWI
Project Consultant with Environmental Project Consulting LLC

Mr. Menconi has more than 30 years experience in environmental restoration, consulting, and training, and he has designed and taught courses in erosion and sediment control and other environmental topics. He is a Washington certified erosion and sediment control lead (CESCL), and he has surveyed streams and constructed in-stream habitat projects, specializing in placing logs and boulders with hand equipment. Mr. Menconi has also supervised and directed hand crews on stream restoration, trail construction, other environmental restoration projects.

Seminar Information

Executive Inn 200 Taylor Avenue N. Seattle, WA 98109 (206) 448-9444	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 - 5:00 pm
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Tuition
\$299 for individual registration
\$279 for three or more simultaneous registrations.

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.

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 \$279. 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.

Additional Learning

Webinar Series

- Foundations in Cold Regions**
- **Introduction to Foundations in Cold Regions**
Thurs., Feb. 20, 2020, 11:00 AM - 12:30 PM CST
 - **Shallow Foundation Design in Cold Regions**
Thurs., Feb. 20, 2020, 1:00 - 2:30 PM CST
 - **Deep Foundation Design in Cold Regions**
Fri., Feb. 21, 2020, 11:00 AM - 12:30 PM CST
 - **Foundation Construction in Cold Regions**
Fri., Feb. 21, 2020, 1:00 - 2:00 PM CST

- Soil Mechanics and Slope Stability**
- **Soil Investigation and Classification**
Tues., Feb. 25, 2020, 11:00 AM - 1:00 PM CST
 - **Reviewing Hydraulic and Mechanical Properties of Soils**
Tues., Feb. 25, 2020, 1:30 - 3:00 PM CST
 - **Determining and Increasing Bearing Capacity**
Wed., Feb. 26, 2020, 11:00 AM - 1:00 PM CST
 - **Determining and Increasing Slope Stability**
Wed., Feb. 26, 2020, 1:30 - 3:00 PM CST

- Designing for Climate Resilience**
- **Current and Anticipated Climate Effects on Structures and Communities**
Thurs., Feb. 27, 2020, 11:00 AM - 12:30 PM CST
 - **Assessing the Impact of Sea Level Rise, Changing Temperature and Changing Weather Patterns**
Thurs., Feb. 27, 2020, 1:00 - 3:00 PM CST
 - **Studying the Impact of Extreme Weather Events on Structures and Communities**
Fri., Feb. 28, 2020, 11:00 AM - 12:30 PM CST
 - **Adapting Sites, Outdoor Spaces, New Construction and Existing Buildings to Withstand Extreme Weather Events**
Fri., Feb. 28, 2020, 1:00 - 3:00 PM CST

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

Continuing Education Credit Information

This seminar is open to the public and offers a 7.0 continuing education opportunity to Washington professional engineers (not required for license renewal), which will qualify for 7.0 PDHs in other states. This course also offers 7.0 HSW PDHs to Washington architects and landscape architects. Educators and courses are not subject to preapproval in Washington.

This seminar approved by the American Institute of Architects Continuing Education System for 7.0 LU|HSW (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 7.0 HSW PDHs. Visit www.halfmoonseminars.org for complete AIA/CES course information under this seminar listing. Only full attendance is reportable to the AIA/CES and LA/CES.

Engineers, architects and landscape architects seeking continuing education credit in other states will be able to apply the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

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

This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor board with mandatory continuing education.

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.

Registration

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How to Register	
Online: www.halfmoonseminars.org	
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Complete the entire form. Attach duplicates if necessary.	
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.	

Tuition
() I will be attending the live seminar. Single Registrant - \$299.00 . Three or more registrants from the same company registering at the same time - \$279.00 each.
() I am not attending. Please send me the self-study package: ☐ Downloadable MP3 Audio/PDF Manual for \$279.00 . ☐ CD/Manual Package for \$299.00 . ☐ USB/Manual Package \$299.00 . (S&H included. Please allow five weeks from seminar date for delivery)
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