

Agenda

Presented by Jay Riggs, CPESC, CPSWQ

Erosion and Sediment Control Requirements and Practices

- Environmental Protection Agency regulations
- State regulatory requirements
- Standards and specifications
- Permitting, approval and enforcement

Goals for and Selection of Erosion and Sediment Control Practices

- Causes of erosion and sedimentation
- Practices that minimize site disturbance
- Preservation of native vegetation
- Selecting appropriate practices for disturbed areas on the construction site

Non-Structural Erosion and Sediment Control Best Practices

- Temporary and permanent seeding, sodding and mulching
- Use of geotextiles
- Chemical soil stabilization
- Establishment of buffer zones

Stream and Bank Stabilization

- Stream bank erosion protection
- Bank stabilization and repair

Structural Erosion and Sediment Control Practices

Earthen dikes	Drainage swales
Pipe drains	Subsurface drains
Silt fences	Berms
Check dams	

Sediment Traps and Sediment Basins

- Calculating flow rates and capacity
- Designing and sizing

Permanent Stormwater Management Practices

- Basics of hydrology
- Rate vs volume control
- Ponds, infiltration, and bioretention

Operation and Maintenance Plans

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Erosion and Sediment Control

Live, Interactive Webinar - Tuesday, July 13, 2021

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Learning Objectives

You'll be able to:

Comply with U.S. Environmental Protection Agency regulations on erosion and sediment control.

Review causes of erosion, and adopt practices that limit site disturbance and preserve native vegetation.

Use temporary and permanent seeding, sodding and mulching.

Stabilize and repair stream banks.

Use structural erosion control practices, including drainage swales, subsurface drains and berms.

Size and design sediment traps and basins.

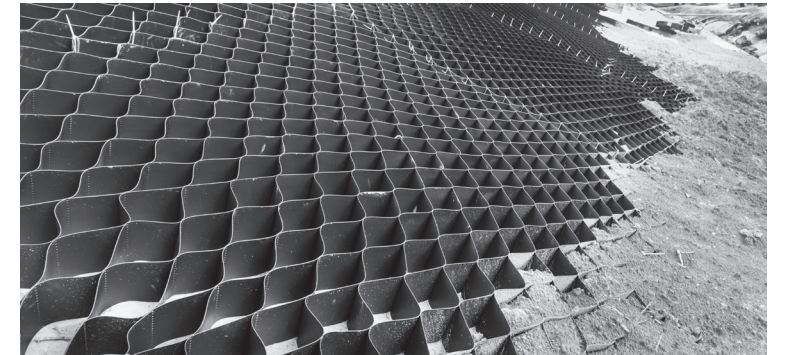
Implement operation and management plans for erosion and sediment control practices.



HalfMoon Education Online Learning

Erosion and Sediment Control

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Comply with federal and state regulations on erosion and sediment control

Minimize site disturbance and preserve native vegetation

Prevent erosion with geotextiles, soil stabilization and buffer zones

Stabilize stream banks

Use earthen dikes, pipe drains, silt fences and check dams

Design sediment traps and basins

Continuing Education Credits

Professional Engineers

7.0 PDHs

Floodplain Managers

7.0 ASFPM CECs

Landscape Architects

7.0 HSW CE Hours

No credit in Florida,
New Jersey, North Carolina
7.0 LA CES HSW PDHs

Architects

7.0 HSW CE Hours

7.0 AIA LU | HSW



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Faculty

Jay Riggs, CPESC, CPSWQ
Mr. Riggs is the manager of the Washington Conservation District (WCD). Washington County has a diverse landscape with urban, suburban, agricultural, and natural land uses – all located along the St. Croix River at the east side of the Minneapolis/St. Paul metropolitan area in Minnesota. Mr. Riggs is responsible for managing overall District operations and coordinating WCD activities with the elected WCD board, watersheds and local units of government. Prior to joining the WCD, he worked as an urban conservationist, environmental consultant, and regional planner. Mr. Riggs provides technical support and teaches on a variety of subjects, including stormwater best management practices, natural resource inventories, construction site erosion control, low impact development, and total maximum daily load (TMDL) development and implementation. He has an M.S. degree in Water Resource Management from Michigan State University and B.S. degrees in Biology and Psychology from the University of Wisconsin - Eau Claire. Mr. Riggs is a Certified Professional in Erosion and Sedimentation Control (CPESC #2059), Certified Professional in Storm Water Quality (CPSWQ 0062), a CPESC instructor, a member of the Minnesota State Stormwater Steering Committee, and co-chair of the Minimal Impact Design Standards (MIDS) Workgroup.

Webinar Information

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

Tuition
\$289 for individual registration
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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

- Slope Stabilization and Landslide Prevention**
- Mon, June 7, 2021 | 8:30 am - 5:00 pm CDT

Soils Engineering
- Tues, June 8 2021 | 11:00 am - 2:15 pm CDT
- Wed, June 9, 2021 | 11:00 am - 2:15 pm CDT

Writing Successful Proposals and RFPs
- Tues, June 8, 2021 | 8:30 am - 5:00 pm CDT

Practical Site Engineering: Science & Techniques
- Thurs, June 10, 2021 | 11:00 am - 3:15 pm CDT
- Fri, June 11, 2021 | 11:00 am - 2:15 pm CDT

The Tree Course for the Mid-Atlantic Region
- Fri, June 11, 2021 | 8:00 am - 3:30 pm CDT

Stormwater Basins and Underground Systems
- Tues, June 15, 2021 | 9:00 am - 4:30 pm CDT
- Structural Forensic Engineering**
- Tues, June 15, 2021 | 10:00 am - 1:45 pm CDT
- Wed, June 16, 2021 | 10:00 am - 2:15 pm CDT

Engineering Ethics: Handling Ethical Issues in Professional Engineering Practice
- Fri, June 18th, 2021 | 11:00 am - 12:00 pm CDT

2021 International Residential Code: Residential Plumbing Systems
- Fri, June 18, 2021 | 11:00 am - 3:30 pm CDT

Foundation Design, Construction and Repair in Karst Terrain
- Tues, June 22, 2021 | 9:00 am - 4:30 pm CDT

International Existing Building Code 2021
- Tues, June 22, 2021 | 8:30 am - 5:00 pm CDT

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The Association of State Floodplain Managers has approved this course for 7.0 CECs.

This course offers 7.0 HSW CE hours to landscape architects in all states, except North Carolina, New Jersey, and Florida. The Landscape Architecture Continuing Education System has approved this course for 7.0 HSW PDHs. Only full participation is reportable to the LA CES.

This course offers 7.0 HSW continuing education hours to architects licensed in all states. The American Institute of Architects Continuing Education System has approved this course for 7.0 LU | HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

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Course completion certificates will be awarded to participants who complete the webinar in its entirety, respond to all the verification prompts during the instruction, and earn a score of 80% on the quiz that follows the instruction (multiple attempts allowed).

Registration

Erosion and Sediment Control
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Tuition () I will be attending the live webinar. Single Registrant - \$289.00. Three or more registrants from the same company registering at the same time - \$199.00 each. () I am not attending. Please send me the webinar recording: ☐ Streamable MP4 Video/PDF Manual for \$299.00. ☐ USB Video/PDF Manual for \$299.00. Checks: Make payable to HalfMoon Education Inc. Credit Card: <i>Mastercard, Visa, American Express, or Discover</i> Credit Card Number: _____ Expiration Date: _____ CV2 Code: _____ Cardholder Name: _____ Billing Address: _____ City: _____ State: _____ Zip: _____ Signature: _____ Email: _____			
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