

Agenda

Presented by Corydon Coppola and Thomas Carpenter

Erosion and Sediment Control Requirements and Practices

Environmental Protection Agency regulations
State erosion and sediment control regulations
Regional violations and fines

Goals for and Selection of Erosion and Sediment Control Practices

Causes of erosion and sedimentation
SWPPP is a dynamic document
Selecting appropriate practices for disturbed areas on the construction site

Erosion Control and Post-construction BMPs

Storm water safety net
What to do when BMPs fail or are over-run

Stream and Bank Stabilization

Stream bank erosion protection
Bank stabilization and repair

Structural Sediment Control Practices

Filter socks
Silt fences
Check dams
Detention ponds and Basins

Soft and Hard Armor for Outlet protection

Rip Rap
Soft Armor options – reinforced vegetation

Erosion and Sediment Control
Johnston, IA - Tuesday, March 6, 2018

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

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



Learning Objectives

You'll be able to:

Understand causes of erosion and sedimentation.

Comply with U.S. EPA, state and local regulations.

Review nonstructural erosion control practices, including geotextiles and chemical stabilization.

Review structural control practices, including earthen dikes, drainage swales, and silt fences.

Discuss stream bank erosion protection, stabilization and repair.

Establish plans for inspection, monitoring and maintenance.



Erosion and Sediment Control

Johnston, IA - Tuesday, March 6, 2018



Understand federal, state and local erosion and sediment control requirements

Identify the goals for selecting erosion and sediment control practices

Examine structural and non-structural erosion and sediment control practices

Discuss sediment traps and sediment basins

Learn about inspection, monitoring and maintenance

Continuing Education Credits

Professional Engineers

6.5 PDHs

Floodplain Managers

6.5 ASFPM CECs

Architects

6.5 Public Protection (HSW) Hours
6.5 AIA HSW Learning Units

Contractors

Non-Credit Continuing Ed.

Landscape Architects

6.5 HSW Continuing Ed. Hours
6.5 LA CES HSW PDHs



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG



Faculty

Corydon Coppola *President at Flo-Water, LLC*
Mr. Coppola has 16+ years of experience in the industry of sediment and erosion control. Mr. Coppola is a certified professional of erosion and sediment control (CPESC). He has been the owner and an inventor for Flo-Water Sediment Control Products for the past three years. Mr. Coppola has five years of experience as director of national development for ScourStop, and four and a half years of experience as corporate engineering division manager at Stetson Building Products. Other accomplishments include giving presentations for International Erosion Control Association (IECA), StormCon, American Public Works Association (APWA), and Corydon Group.

Thomas Carpenter *Owner at Erosion Tech, LLC*
Mr. Carpenter has created, developed, and patented two paradigm changing products in the erosion and sediment control industry (and another product in the horticulture

industry). In those actions, he has encountered numerous obstacles and marketing scenarios, sold several businesses, and worked through the legal system on patent infringements. Mr. Carpenter joined the IECA in 1996, and achieved his CPESC certification in 1998. He has worked in the Great Rivers Chapter of the IECA since 1996, and served on their board in the late 90's. He was also on the Board of Directors for the International Erosion Control Association from 2003 to 2005. Mr. Carpenter is the author of the manual *Silt Fence That Works* which has been utilized in training all over the country. He presented an educational CD on silt fence effectiveness, and is a speaker on E&SC issues at training functions. Mr. Carpenter is past-owner of Carpenter Erosion Control, a full service erosion sediment control contractor in central Iowa, and Stormwater Consultants, a full-service inspection business. He is currently president of Erosion Tech LLC,, where he developed the new product, ScourStop - a green replacement for rock rip rap.

Seminar Information

Hilton Garden Inn Des Moines/Urbandale
8600 Northpark Drive
Johnston, IA 50131
(515) 270-8890

Tuition
\$279 for individual registration
\$259 for three or more registrations.
Each registration includes a complimentary continental breakfast and printed seminar manual.

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 - 4:30 pm

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 CD/manual package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects and landscape architects in most states, including Iowa. Educators and courses are not subject to preapproval in Iowa.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/CES and LA/CES.

Architects, engineers, and landscape architects seeking continuing education credit out Iowa 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 course for 6.5 CECs.

This seminar offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing entity.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire program. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Additional Learning

February Webinar Series

International Mechanical Code

- **International Mechanical Code Background and Application**
Thurs., Feb. 15, 2018, 11:00 AM - 12:30 PM CST
- **Chapters 2-5: Definitions, Regulations and Ventilation**
Thurs., Feb. 15, 2018, 1:00 - 3:00 PM CST
- **Chapters 6-10: Ventilation, Appliances and Equipment**
Fri., Feb. 16, 2018, 11:00 AM - 1:00 PM CST
- **Chapters 11-15: Refrigeration, Piping and Appendices**
Fri., Feb. 16, 2018, 1:30 - 3:00 PM CST

NFPA 70E

- **NFPA 70E, Part I**
Thurs., Feb. 8, 2018, 11:00 AM - 3:30 PM CST
- **NFPA 70E, Part II**
Fri., Feb. 9, 2018, 11:00 AM - 3:30 PM CST

National Electrical Code: A Solar Photovoltaic System Perspective

- **National Electrical Code for Building Professionals, Part I**
Wed., Feb. 21, 2018, 11:00 AM - 2:15 PM CST
- **National Electrical Code for Building Professionals, Part II**
Thurs., Feb. 22, 2018, 11:00 AM - 2:15 PM CST

Erosion and Sediment Control

- **Erosion and Sediment Overview**
Thurs., Feb. 22, 2018, 11:00 AM - 12:00 PM CST
- **Stormwater Permit Requirements and Procedures**
Thurs., Feb. 22, 2018, 12:30 - 2:00 PM CST
- **Stream Stabilization Measures**
Fri., Feb. 23, 2018, 11:00 AM - 12:00 PM CST
- **Best Management Practices and Maintenance**
Fri., Feb. 23, 2018, 12:30 - 2:30 PM CST

For more information visit:
www.halfmoonseminars.org/webinars/

Can't Attend? Order the CD/Manual Package:
An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

Erosion and Sediment Control
Johnston, IA - Tuesday, March 6, 2018

How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____
Phone: 715-835-5900		Company/Firm: _____
Fax: 715-835-6066		Address: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		City: _____ State: _____ Zip _____
Complete the entire form. Attach duplicates if necessary.		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 - \$279.00 . Three or more registrants from the same company registering at the same time - \$259.00 each.
() I am not attending. Please send me the CD manual package for \$289.00 . (S&H included. Please allow five weeks from seminar date for delivery)
Checks: Make payable to HalfMoon Education Inc.
Credit Card: <i>Mastercard, Visa, American Express, or Discover</i>
Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
Signature: _____
Email: _____