

# Agenda

*Presented by Walter Hamilton, III*

## Goals for and Selection of Erosion and Sediment Control Practices

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  
Maintenance plans

**Virginia Erosion and Sediment Control**  
Roanoke, VA - Tuesday, January 16, 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:*

**Select** appropriate erosion and sediment control practices for disturbed areas on construction sites.

**Discuss** the use of geotextiles and chemical soil stabilization.

**Assess** stream bank stabilization and repair techniques.

**Evaluate** various structural erosion and sediment control practices, including earthen dikes, drainage swales, subsurface drains and silt fences.

**Calculate** flow rates and capacity for sediment traps and sediment basins.



# Virginia Erosion and Sediment Control

*Roanoke, VA - Tuesday, January 16, 2018*



**Review** practices that minimize site disturbance and preserve natural vegetation.

**Identify** non-structural erosion and sediment control best practices.

**Examine** key issues in stream and bank stabilization.

**Study** structural erosion and sediment control practices including earthen dikes, silt fences, and drainage swales.

**Learn** about designing and sizing sediment traps and sediment basins.

## Continuing Education Credits

### **Professional Engineers**

6.5 Continuing Ed. Hours

### **Architects**

6.5 HSW Continuing Ed. Hours  
6.5 AIA HSW Learning Units

### **Landscape Architects**

6.5 HSW Continuing Ed. Hours  
6.5 LA CES HSW PDHs

### **Floodplain Managers**

6.5 ASFPM CECs

### **Contractors**

Non-Credit Continuing Ed.



**HalfMoon Education Inc.**  
WWW.HALFMOONSEMINARS.ORG



# Faculty

**Walter Hamilton, III** *Engineer III, Fairfax County, Virginia*

Mr. Hamilton has over 30 years’ experience in the field of erosion and sediment (E&S) control from both the planning and field implementation perspectives. He began his career in 1980 as a soil conservationist with the then USDA Soil Conservation Service, now called the Natural Resources Conservation Service. In 1985, Mr. Hamilton began his career with the Fairfax County Government as an E&S control specialist and was charged with the responsibility of overseeing the County’s E&S Control program during the time when Fairfax County was considered one of the fastest growing jurisdictions in the United States. During his 16-year tenure as the County’s E&S control specialist, Mr. Hamilton was influential in developing many program enhancements that are still being implemented today. He has garnered many awards and recognition as an erosion and sediment control expert, and he is a sought-after instructor and authority regarding erosion and sediment control matters at the local and state levels. Mr. Hamilton has a dual combined administrator certification from the Virginia Department of Environmental Quality for erosion and sediment control and stormwater management.

# Seminar Information

**Sheraton Roanoke Hotel & Conference Center**  
2801 Hershberger Road  
Roanoke, VA 24017  
(540) 563-9300

## Tuition

**\$279** for individual registration  
**\$259** for three or more registrations.  
*Each registration includes a 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](http://www.halfmoonseminars.org).

## How to Register

- Visit us online at [www.halfmoonseminars.org](http://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.

# Additional Learning

## Webinar Series

- Flood-Resistant Buildings**
- **Floodplain Development under NFIP Standards**  
Wed., Nov. 29, 2017, 11:00 AM - 12:00 PM CST
  - **Building Design under NFIP Standards**  
Wed., Nov. 29, 2017, 12:30 - 2:00 PM CST
  - **Designing and Constructing Flood-Resistant Buildings**  
Fri., Nov. 30, 2017, 11:00 AM - 12:00 PM CST
  - **Designing and Constructing Foundations and Above-Grade Flood Resistance**  
Fri., Nov. 30, 2017, 12:30 - 2:30 PM CST

- Solar Photovoltaic Project Design and Development**
- **Solar Photovoltaic Project Design and Development, Part I**  
Thurs., Nov. 30, 2017, 11:00 AM - 3:15 PM CST
  - **Solar Photovoltaic Project Design and Development, Part II**  
Fri., Dec. 1, 2017, 11:00 AM - 2:15 PM CST

- Construction Cost Estimating**
- **Introduction to Cost Estimating**  
Thurs., Dec. 7, 2017, 11:00 AM - 12:30 PM CST
  - **Cost Components - A Closer Look at the Estimates**  
Thurs., Dec. 7, 2017, 1:00 - 3:00 PM CST
  - **Cost Estimate Organization**  
Fri., Dec. 8, 2017, 11:00 AM - 1:00 PM CST
  - **Cost Estimating Topics**  
Fri., Dec. 8, 2017, 1:30 AM - 3:00 PM CST

- Retaining Walls and Slope Stabilization**
- **Retaining Wall Basics**  
Thurs., Dec. 14, 2017, 11:00 AM - 12:00 PM CST
  - **Geosynthetics and Retaining Walls**  
Thurs., Dec. 14, 2017, 12:30 - 2:30 PM CST
  - **Slope Stability and Geosynthetics**  
Fri., Dec. 15, 2017, 11:00 AM - 12:30 PM CST
  - **Slope and Retaining Wall Failures, Fixes and Prevention**  
Fri., Dec. 15, 2017, 1:00 - 2:30 PM CST

For more information visit:  
[www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)

## Continuing Education Credit Information

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

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

HalfMoon Education is deemed an approved architect and landscape architect continuing education sponsor in New York. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota.

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 preapproved in any state with contractor continuing education requirements.

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.

**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

**Virginia Erosion and Sediment Control**  
Roanoke, VA - Tuesday, January 16, 2018

|                                                                                                                                                                     |                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>How to Register</b>                                                                                                                                              | <b>Registrant Information</b>                                                                                                                   |
| <b>Online:</b><br><a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a>                                                                            | Name: _____<br>Company/Firm: _____<br>Address: _____<br>City: _____ State: _____ Zip _____<br>Occupation: _____<br>Email: _____<br>Phone: _____ |
| <b>Phone:</b><br>715-835-5900                                                                                                                                       | <b>Additional Registrants:</b><br>Name: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____                                              |
| <b>Fax:</b><br>715-835-6066                                                                                                                                         | Name: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____                                                                                |
| <b>Mail:</b><br>HalfMoon Education Inc.,<br>PO Box 278, Altoona, WI<br>54720-0278                                                                                   |                                                                                                                                                 |
| <b>Complete the entire form.</b> Attach duplicates if necessary.                                                                                                    |                                                                                                                                                 |
| 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.                                                                                                              |                                                                                                                                                 |

|                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tuition</b>                                                                                                                                                                              |
| ( ) <b>I will be attending the live seminar.</b> Single Registrant - <b>\$279.00</b> . Three or more registrants from the same company registering at the same time - <b>\$259.00</b> each. |
| ( ) <b>I am not attending.</b> Please send me the CD manual package for <b>\$289.00</b> . (S&H included. Please allow five weeks from seminar date for delivery)                            |
| <b>Checks:</b> Make payable to HalfMoon Education Inc.                                                                                                                                      |
| <b>Credit Card:</b> <i>Mastercard, Visa, American Express, or Discover</i>                                                                                                                  |
| Credit Card Number: _____                                                                                                                                                                   |
| Expiration Date: _____ CVV2 Code: _____                                                                                                                                                     |
| Cardholder Name: _____                                                                                                                                                                      |
| Billing Address: _____                                                                                                                                                                      |
| City: _____ State: _____ Zip: _____                                                                                                                                                         |
| Signature: _____                                                                                                                                                                            |
| Email: _____                                                                                                                                                                                |