

Agenda

Presented by Lloyd A. Ntuk, P.E., LEED AP

Erosion and Sediment Control Requirements and Practices

- Environmental Protection Agency regulations
- State erosion and sediment control regulations
- 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
- Maintenance plans

Erosion and Sediment Control
Norfolk, VA - Wednesday, May 30, 2018

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PO Box 278
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Learning Objectives

You'll be able to:

Understand federal and state erosion and sediment control regulations.

Implement practices that minimize site disturbance and preserve native vegetation.

Utilize temporary seeding, geotextiles and chemical soil stabilization techniques.

Learn about stream stabilization methods.

Review structural practices to control erosion such as earthen dikes, check dams and subsurface drains.

Get tips on sediment trap and sediment basin design.



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Review the regulations that apply to sediment control and erosion prevention

Learn the requirements and procedures for stormwater permits

Review non-structural erosion and sediment control best practices

Discuss stream stabilization and repair measures

Understand how to use sediment traps and sediment basins

Continuing Education Credits

Professional Engineers

6.5 Continuing Ed. Hours

Architects

6.5 Continuing Ed. Hours (HSW)

6.5 AIA HSW Learning Units

Landscape Architects

6.5 Continuing Ed. Hours (HSW)

6.5 LA CES HSW PDHs

Floodplain Managers

6.5 ASFPM CECs

Contractors

Non-Credit Continuing Ed.



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Faculty

Lloyd A. Ntuk, P.E., LEED AP *Principal, LAND Engineering, PLC - Washington D.C. Metropolitan Area*

Mr. Ntuk is a civil engineer with nearly 20 years of experience in the land development industry. He is the managing principal for LAND | Engineering, PLC, a civil engineering design firm focused on site planning, green building consulting, and construction management. Mr. Ntuk received his B.S. degree in Civil Environmental and Infrastructure Engineering from George Mason University. He spends 20 percent of his time as an executive, 30 percent as a designer, 40 percent as a geek, and 30 percent solving complex math problems. When not engaged in speaking about engineering, teaching other engineers, or engineering the world - he and his wife spend time adding to their fascinating collection of cat videos.

Seminar Information

Doubletree by Hilton 1500 North Military Highway Norfolk, VA 23502 (757) 466-8000	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
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Tuition
\$279 for individual registration
\$259 for three or more simultaneous 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 a job description, go online to 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.

Additional Learning

Webinar Series

Special Inspections

- **Overview of Special Inspections**
Wed., April 11, 2018, 11:00 AM - 12:30 PM CDT
- **Steel, Wood and Cold-Formed Steel**
Wed., April 11, 2018, 1:00 - 2:30 PM CDT
- **Concrete, Masonry and Soils**
Thurs., April 12, 2018, 11:00 AM - 1:00 PM CDT
- **Fire-Resistant Materials and Material Standards**
Thurs., April 12, 2018, 1:30 PM - 2:30 PM CDT

Shallow Foundations

- **Evaluating Building Sites**
Thurs., April 19, 2018, 11:00 AM - 12:30 PM CDT
- **Shallow Foundation Design**
Thurs., April 19, 2018, 1:00 - 2:30 PM CDT
- **Special Considerations in Foundation Design and Construction**
Fri., April 20, 2018, 11:00 AM - 12:30 PM CDT
- **Soil Improvement and Foundation Diagnosis and Repair**
Friday, April 20, 2018, 1:00 - 2:30 PM CDT

Erosion and Sediment Control

- **Basics of Site Stormwater Regulations and Requirements**
Wed., April 25, 2018, 11:00 AM - 12:00 PM CDT
- **Structural and Non-Structural Erosion and Sediment Control Best Practices**
Wed., April 25, 2018, 12:30 PM - 2:30 CDT
- **Site Planning**
Thurs., April 26, 2018, 11:00 AM - 1:00 PM CDT
- **Long-term Post Construction Management Practices**
Friday, April 20, 2018, 12:30 PM - 2:30 CDT

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 6.5 continuing education hours to engineers, architects and landscape architects (HSW) in 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. Full attendance is required for course attendance reporting to AIA/CES and LA/CES.

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. HalfMoon Education is deemed an approved continuing education sponsor for New York architects and landscape architects.

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

This course offers a non-credit continuing education opportunity to contraction 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

Erosion and Sediment Control

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How to Register		Registrant Information	
Online: www.halfmoonseminars.org		Name: _____	
Phone: 715-835-5900		Company/Firm: _____	
		Address: _____	
Fax: 715-835-6066		City: _____ State: _____ Zip _____	
		Occupation: _____	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Email: _____	
		Phone: _____	
Complete the entire form. Attach duplicates if necessary.		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: *Mastercard, Visa, American Express, or Discover*

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