

Agenda

Presented by Timothy M. Jensen and Kris Holeyfield

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 Indiana Department of Environmental Management regulations
Notice of intent requirements
Special conditions for sensitive waters
Review and permitting process
Implementing, monitoring and assessing SWPPPs

Understanding and Applying the Science of Stormwater

Hydrology, soil science and drainage Classifying storm events
Identifying consequences of storm events
Stormwater modeling

Developing Stormwater Pollution Prevention Plans (SWPPPs)

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

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

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

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Stormwater Management 2018
Merrillville, IN - Tuesday, May 8, 2018

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



Learning Objectives

You'll be able to:

Determine when a stormwater permit is necessary and comply with stormwater permit requirements and procedures.

Describe the elements to be included in stormwater pollution prevention plans (SWPPPs).

Choose appropriate stormwater best management practices (BMPs), such as vegetated swales, rain gardens and porous pavement.

Identify consequences of storm events.

Understand the science of stormwater management and monitoring.



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Understand stormwater permit requirements and procedures

Identify special conditions for sensitive waters

Examine stormwater pollution prevention plans

Review stormwater best management practices

Learn about developing plans for inspection, monitoring, maintenance and recordkeeping

Continuing Education Credits

Professional Engineers
7.5 Hours of Continuing Ed.

Architects & Landscape Architects
7.5 HSW Contact Hours
7.5 AIA HSW Learning Units
7.5 LA CES HSW PDHs

Floodplain Managers
7.5 ASFPM CECs

Contractors
Non-Credit Continuing Ed.



HalfMoon Education Inc.
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Faculty

Timothy M. Jensen, PE, LEED AP, CPESC
Veridus Group in Indianapolis
Mr. Jensen is the founder, president and principal engineer at the Veridus Group. He has been involved in a number of high profile projects throughout his career including large municipal projects, sustainable master planning, large campuses and mixed-use complexes. Mr. Jensen specializes in representing project owners in complex projects. His creative, sustainable, collaborative approach to issues assists clients through the most difficult projects and circumstances. Mr. Jensen is a graduate of Purdue University’s School of Civil Engineering and is licensed in five states. He and his staff primarily focus on commercial site development, schools, athletic facilities and all aspects of stormwater management for their clients. Mr. Jensen started the Veridus Group in 2011 to provide a civil engineering consultancy alternative in the regional market.

Kris Holeyfield, PE
Veridus Group in Indianapolis
Mr. Holeyfield is a graduate of Texas A&M University with a degree in Civil Engineering. He has been in the industry for 12 years and is licensed in the states of Texas and Indiana. Mr. Holeyfield specializes in civil engineering land development ranging from commercial/retail development and industrial development, to small site civil projects, education projects and more. He also has a background in transportation planning and operations. He is part of Urban Land Institute’s Young Leaders program and is involved in community development and outreach. Mr. Holeyfield joined The Veridus Group in January 2017 and leads the civil design studio for the group.

Seminar Information

Hilton Garden Inn Merrillville
7775 Mississippi Street
Merrillville, IN 46410
(219) 769-7100

Tuition
\$279 for individual registration
\$259 for three or more registrations.

Registration
7:30 - 8:00 am
Morning Session
8:00 am - 12:00 pm
Lunch (on your own)
12:00 - 1:00 pm
Afternoon Session
1:00 - 5:00 pm

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.

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.

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.

Continuing Education Credit Information
This seminar is open to the public and offers 7.5 continuing education hours/PDHs to professional engineers and 7.5 HSW contact hours to architects in Indiana. HalfMoon education is an approved continuing education provider for Indiana engineers. Educators and courses are not subject to preapproval in Indiana.

The American Institute of Architects has approved this course for 7.5 HSW Learning Units (Sponsor No. J885) and the Landscape Architecture Continuing Education System has approved it for 7.5 HSW PDHs. Only full attendance can be reported to the AIA/CES and the LA/CES.

This course offers 7.5 HSW contact hours to landscape architects in Indiana. Educators and courses are not subject to preapproval in Indiana.

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

The Association of State Floodplain Managers has approved this event for 7.5 CECs.

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

Additional Learning

March Webinar Series

Solar Photovoltaic Project Design and Development

- **Solar Photovoltaic Project Design and Development, Part I**
Wed., Mar. 7, 2018, 11:00 AM - 2:15 PM CST
- **Solar Photovoltaic Project Design and Development, Part II**
Thurs., Mar. 8, 2018, 11:00 AM - 2:15 PM CST

Deep Excavations

- **Introduction to Deep Excavations**
Thurs., Mar. 15, 2018, 11:00 AM - 1:00 PM CDT
- **Soil Mechanics, Cantilever Walls and Anchored Sheet Pile Walls**
Thurs., Mar. 15, 2018, 1:30 - 3:00 PM CDT
- **Braced Excavation Design**
Fri., Mar. 16, 2018, 11:00 AM - 12:30 PM CDT
- **ASD and LRFD Design**
Fri., Mar. 16, 2018, 1:00 - 2:30 PM CDT

HEC-RAS

- **Hydraulic Principles and Applications**
Thurs., Mar. 22, 2018, 11:00 AM - 1:00 PM CDT
- **Working with the HEC-RAS User Interface**
Thurs., Mar. 22, 2018, 1:30 - 3:00 PM CDT
- **Water Surface Profiling**
Fri., Mar. 23, 2018, 11:00 AM - 1:00 PM CDT
- **Steady Flow Surface Profile Demonstrations**
Fri., Mar. 23, 2018, 1:30 - 3:30 PM CDT

Commercial Energy Conservation Code

- **Commercial Energy Conservation Code and COMcheck Introduction**
Weds., Mar. 28, 2018, 11:00 AM - 1:00 PM CDT
- **Building Envelope Energy Efficiency**
Weds., Mar. 28, 2018, 1:30 - 3:30 PM CDT
- **Heating, Ventilation and Air Conditioning Systems**
Thurs., Mar. 29, 2018, 11:00 AM - 1:00 PM CDT
- **Service Water Heating, Power and Lighting**
Thurs., Mar. 29, 2018, 1:30 - 3:00 PM CDT

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

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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900		Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066		Name: _____ Occupation: _____ Email: _____ Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Name: _____ Occupation: _____ Email: _____ Phone: _____
Complete the entire form. Attach duplicates if necessary.		() I need special accommodations. Please contact me.
		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.

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: _____