

Agenda

Presented by Mark D. Jones, P.E.

Pennsylvania Stormwater Management 2021 Day One

Tuesday, May 11, 2021 | 8:30 - 11:55 am EDT (including a 10-min. break)

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 Pennsylvania Department of Environmental Protection regulations
- Notice of Intent (NOI) requirements
- Special conditions for sensitive waters
- Review and permitting process
- Implementing, monitoring and assessing PCSM Plans

Understanding and Applying the Science of Stormwater

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

Developing Post Construction Stormwater Management (PCSM) Plans

- Including required SWM design elements
- Assessing building sites
- Choosing best management practices (BMPs)
- Planning for required inspection, maintenance and recordkeeping
- Obtaining plan certification
- Implementing SWM / PCSM Plans

Pennsylvania Stormwater Management 2021 Day Two

Wednesday, May 12, 2021 | 8:30 - 11:55 am EDT (including a 10-min. break)

Choosing Appropriate Stormwater Best Management Practices (BMPs)

- Non-structural SWM BMPs
 - Preservation of natural features and conservation design
 - Reducing impervious cover
- Structural SWM BMPs
 - Sizing criteria
 - Riparian buffers and filter strips
 - Infiltration BMPs
 - Rain gardens
 - Green roofs
 - Rain barrels/cisterns
 - Proprietary practices

Operation & Maintenance of SWM BMPs

- Long term O&M
- Permit termination

PA DEP - NPDES Chapter 102 Updates

- 2019 updates to the NOI
- New requirements for Chapter 102
- Permit NOI and modules
- PCSM spreadsheet

Pennsylvania Stormwater Management 2021

Online - Tuesday, May 11 and Wednesday, May 12, 2021

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Learning Objectives

You'll be able to:

Comply with Pennsylvania Department of Environmental Protection (DEP) stormwater regulations.

Explore notice of intent (NOI) requirements.

Prepare and implement post-construction stormwater management (PCSM) plans.

Choose stormwater best management practices (BMPs), including riparian buffers, filter strips, rain gardens and proprietary practices.

Develop plans for long-term operation and maintenance of stormwater BMPs.

Comply with new updates to the NOI, and meet new requirements in Chapter 102.



HalfMoon Education Online Learning Pennsylvania Stormwater Management 2021

Live, Interactive Webinar Series
Tuesday, May 11 and Wednesday, May 12, 2021



Understand federal and Pennsylvania regulations

Discuss stormwater permitting processes

Explore stormwater science and modeling

Develop post construction stormwater management (PCSM) plans

Choose appropriate stormwater best management practices (BMPs)

Consider plans for maintenance of stormwater infrastructure

Review new developments at the PA Department of Environmental Protection

Continuing Education Credits

Professional Engineers
6.5 PDHs

Architects
6.5 HSW CE Hours

AIA
6.5 LU | HSW

Landscape Architects
6.5 HSW CE Hours

LA CES
6.5 HSW PDHs

Floodplain Managers
6.5 ASFPM CECs

International Code Council
.65 CEUs (Sitework)



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Faculty

Mark D. Jones, P.E. *Principal, Hartech Engineering & Consulting, LLC*
Mr. Jones, P.E. is president of Hartech Engineering which was founded in 2007 as a multi-discipline civil engineering consulting firm providing infrastructure, development and municipal design services for the public and private sectors. Bringing over 30 years of engineering expertise along with specific state-of-the-art, computer-aided technology to achieve efficient, cost saving design solutions, he also provides hydrology and hydraulic studies and reports along with general civil engineering support for prime consultants to PennDOT or local municipality projects. Mr. Jones is a licensed pilot and studied Military Civil Engineering while serving in the USAF and continues his Masters education locally through Penn State. Additionally, he is also a registered professional engineer in the states of Pennsylvania, Maryland, Arizona and Georgia.

Webinar Information

Day One: Tuesday, May 11, 2021
8:30 - 11:55 am EDT (including a 10-min. break)

Day Two: Wednesday, May 12, 2021
8:30 - 11:55 am EDT (including a 10-min. break)
(please log into the webinar 15 - 30 minutes before start time)

Tuition
\$289 for individual registration
\$199 for three or more registrants from the same company at the same time.
Included with your registration: PDF seminar manual.

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

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For more information, please visit our FAQ section of our website, or visit www.gotowebinar.com.

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.

Additional Learning

Designing for Accessibility under ADA Standards and 2021 IBC
- Mon, April 12, 2021 | 8:30 am - 4:30 pm CDT

Foundations on Expansive Soils
- Wed, April 14, 2021 | 8:30 am - 5:30 pm CDT

International Residential Code 2021
- Thurs, April 15, 2021 | 10:00 am - 2:30 pm CDT
- Fri, April 16, 2021 | 10:00 am - 12:00 pm CDT

Seismic Design and Construction
- Fri, April 16, 2021 | 8:30 am - 5:00 pm CDT

Commercial Site Pavement Design, Installation and Maintenance
- Fri, April 16, 2021 | 8:30 am - 4:30 pm CDT

The Tree Course: Science, Design, and Sustainability
- Fri, April 16, 2021 | 9:00 am - 4:30 pm CDT

Low Impact Development
- Thurs, April 22, 2021 | 10:00 am - 2:00 pm CDT
- Fri, April 23, 2021 | 10:00 am - 12:45 pm CDT

2021 International Residential Code: Residential Non-Structural Design
- Fri, April 23, 2020 | 11:00 am - 3:30 pm CDT

Deep Dive into Water Infiltration in Soil
- Fri, April 23, 2021 | 11:00 am - 1:00 pm CDT

Passive House: Planning and Design
- Mon, April 26, 2021 | 8:30 am - 4:00 pm CDT

Structural Forensic Engineering
- Tues, April 27, 2021 | 7:30 am - 4:00 pm CDT

Construction Cost Estimating
- Wed, April 28, 2021 | 8:30 am - 3:30 pm CDT

Handling Ethical Issues in Government Projects
- Fri, April 30, 2021 | 12:00 - 1:00 pm CDT

For more information and other online learning opportunities visit: **www.halfmoonseminars.org**

Continuing Education Credit Information
This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects and landscape architects licensed in Pennsylvania.

This course has been approved by the American Institute of Architects Continuing Education System for 6.5 LU | HSW (Sponsor No. J885) and the Landscape Architect Continuing Education System for 6.5 HSW PDHs. Only full participation is reportable to the AIA/CES and LA CES.

Engineers, architects, and landscape architects seeking continuing education credit in other states may be able to claim the hours earned by completing this course, 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 course is approved by the International Code Council for .65 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Can't Attend? Order the Webinar as a Self-Study Package!
Recordings of this webinar are available for purchase. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

Pennsylvania Stormwater Management 2021
Live, Interactive Webinar Series - Tuesday, May 11 and Wednesday, May 12, 2021

How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
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Fax: 715-835-6066	Code:	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		
Complete the entire form. 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.		

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**.

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