

Agenda

Presented by Mark D. Jones

Pennsylvania Stormwater Management 2020 Day One

Thursday, October 1, 2020 | 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 2020 Day Two

Friday, October 2, 2020 | 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 and 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 2020

Online - Thursday, October 1 and Friday, October 2, 2020



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Learning Objectives

You'll be able to:

Understand and apply the science of stormwater.

Comply with Pennsylvania Department of Environmental Protection regulations.

Create post-construction stormwater management (PCSM) plans, including stormwater best management practices(BMPs) and plans for inspection, maintenance and record keeping.

Identify structural and non-structural BMPs, including green roofs, riparian buffers, filter strips and rain guards.

Learn about operation and maintenance of stormwater management BMPs.

Discuss permit termination.

Explore Pennsylvania DEP –NPDES Chapter 102 Updates.



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HalfMoon Education Online Learning

Pennsylvania Stormwater Management 2020

Live, Interactive Webinar Series

Thursday, October 1 and Friday, October 2, 2020



Learn how to comply with Pennsylvania Department of Environmental Protection regulations

Identify consequences of storm events

Explore structural and non-structural best management practices.

Plan for required inspection, maintenance and record keeping

Explore new requirements for Chapter 102

Continuing Education Credits

Professional Engineers

6.5 PDHs

Architects

6.5 HSW CE Hours

AIA

6.5 LU|HSW

International Code Council

.65 CEUs (Sitework)

Landscape Architects

6.5 HSW CE Hours

LA CES

6.5 HSW PDHs

Floodplain Managers

6.5 ASFPM CECs

Geologists

6.5 PDHs



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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.

Here’s what past attendees have said about Mark D. Jones:

- “Practical approach was refreshing” - Project Engineer
- “Great overview of approach and design” - Civil Engineer
- “Regulatory updates and background was most helpful” - Civil Engineer

Webinar Information

Day One: Thursday, October 1, 2020
8:30 - 11:55 am EDT (including a 10-min. break)

Day Two: Friday, October 2, 2020
8:30 - 11:55 am EDT (including a 10-min. break)

(please log into the webinar 15 - 30 minutes before start time)

Tuition
\$299 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

Parking Structure Design, Construction and Maintenance

- Tues., Sept. 29, 2020 | 11:00 am - 3:00 pm CDT
- Wed., Sept. 30, 2020 | 11:00 am - 2:30 pm CDT

Project Management Fundamentals for Engineers

- Tues., Sept. 29, 2020 | 8:30 am - 4:00 pm CDT

Passive House: Planning, Design and Construction

- Tues., Sept. 29, 2020 | 11:00 am - 3:00 pm CDT

Special Inspections under the International Building Code Chapter 17

- Tues., Sept. 29, 2020 | 8:30 am - 4:00 pm CDT

Structural Forensic Engineering

- Tues., Sept. 29, 2020 | 8:30 am - 4:30 pm CDT

The Tree Course: Science, Design, and Sustainability

- Wed., Sept. 30, 2020 | 8:30 am - 4:00 pm CDT

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. It offers 6.5 PDHs to Pennsylvania geologists licensed in Pennsylvania. Educators and courses are not subject to preapproval in Pennsylvania.

This course has been approved by the American Institute of Architects Continuing Education System 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.

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

The International Code Council has approved this event 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.

Site Design

- Wed., Sept. 30, 2020 | 7:30 am - 4:00 pm CDT

Stormwater Best Management Practices

- Wed., Sept. 30, 2020 | 8:30 am - 5:00 pm CDT

Tracking the Railroads

- Wed., Sept. 30, 2020 | 11:00 am – 4:00 pm CDT

Geodetic Datums: Fundamentals and New Developments

- Thurs., October 1, 2020 | 10:30 am - 3:15 pm CDT
- Fri., October 2, 2020 | 10:30 am - 2:45 pm CDT

Seismic Design and Construction

- Thurs., October 1, 2020 | 11:00 am - 3:00 pm CDT
- Fri., October 2, 2020 | 11:00 am - 2:30 pm CDT

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

Registration

Pennsylvania Stormwater Management 2020
Live, Interactive Webinar - Thursday, October 1, 2020 and Friday, October 2, 2020

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: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____	
Fax: 715-835-6066	Code:	Complete the entire form. Attach duplicates if necessary.
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		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 - **\$299.00**. 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 **\$279.00**.

☐ USB Video/PDF Manual for **\$279.00**.

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