

Seminar/Webcast Information

Friday, April 25, 2025 - Plymouth Meeting, PA, and Online

Registration 8:00 - 8:30 am EDT	Break 12:45 - 1:45 pm EDT
First Session 8:30 am - 12:45 pm EDT	Second Session 1:45 - 5:00 pm EDT

Seminar Location

Courtyard Philadelphia Meeting Place
651 Fountain Road, Plymouth Meeting, PA 19462-1338
610-238-0695

Webcast Information

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

Tuition

\$339 for individual registration, including a PDF program manual.

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Attend live, in-person in Plymouth Meeting and save 30% on tuition when you register two or more people at the same!
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- Visit us online at www.halfmoonseminars.org
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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 on-demand package. You may also authorize another person to take your place.

Pennsylvania Stormwater Management 2025

Seminar and Webcast - Friday, April 25, 2025

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CMI7

Pennsylvania Stormwater Management 2025

In-Person in Plymouth Meeting, PA and Live Online!
Friday, April 25, 2025 - 8:30 am - 5:00 pm EDT

This live seminar/webcast covers NEW NPDES permit changes and NEW Pennsylvania Department of Environmental Protection permit updates. It explores hydrology and hydraulics principles, focusing on storm classification, modeling methods, and best management practices (BMPs) for volume and rate control. Additionally, the class includes a discussion of BMP selection, infrastructure modeling, and updates to the PA BMP Manual, emphasizing site assessment and evaluation procedures.

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Agenda

Stormwater Management Overview

- Background and development of national and state regulations and permit requirements
- Review and permitting process
- Implementing, monitoring and assessing post-construction stormwater management (PCSM) plans
- New Pennsylvania Department of Environmental Protection (PA DEP) permit updates

Permit Requirements

- Complying with PA DEP regulations
- Notice of intent (NOI) requirements
- New 2024 NPDES permit changes

Stormwater Management Hydrology

- Draft BMP manual – pending updates to Stormwater Management (SWM) Hydrology
 - Design storm
 - Water balance
 - Continuous simulation
- Hydrology, soil science and drainage
 - Design point/point of interest selection
 - Soil types – hydrologic soil groups (HSGs)
 - Terrain and watershed shape
 - Time of concentration
 - Hydrologic spatial distribution
 - Uniform
- Classifying storm events
 - Meteorological type
 - Small storms
- Selection of storm types and durations
 - Storm types by local ordinance
 - Storm type by BMP
 - Durations
- Selection of model type and method
 - Rational method
 - Soil Conservation Service (SCS) tabular method
- Hydrology for volume and rate control
 - Volume control storm
 - Rate control storms
 - Special conditions
- Hydrologic modeling and software selection
 - Software – keep it simple
 - Consider local requirements

Stormwater Management Hydraulics

- Draft best management practices (BMP) manual – pending updates to SWM hydraulics
 - Design points – points of analysis
 - Erosion potential analysis
- Assessing stormwater BMP performance
 - Consider both volume and rate control requirements
 - Treatment train concept
- Non-structural stormwater BMPs
- Structural stormwater BMPs
- Hydraulic models and software selection
 - BMP hydraulics – routing
 - Standard-step/level pool
 - Continuous simulation
- Stormwater infrastructure modeling
 - Storm drain systems

Stormwater BMP Selection

- 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
- Managed release concept
 - Special cases
 - Design approach

Draft PA BMP Manual Discussion

- Stormwater management objectives
 - Four-point approach
 - Site assessment guidance
- Evaluation procedures

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-disciplinary 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, Mr. Jones also provides hydrology and hydraulic studies and reports along with general civil engineering support for prime consultants to PennDOT or local municipality projects. He is a licensed pilot and studied Military Civil Engineering while serving in the U.S. Air Force and continues his master’s education locally through Penn State. Mr. Jones is also a registered professional engineer in the states of Pennsylvania, Maryland, Arizona, and Georgia.

Credit Information

This live seminar and live webinar are open to the public and are designed to qualify for 7.0 PDHs for professional engineers, 7.0 HSW continuing education hours for licensed architects, and 7.0 HSW continuing education hours for landscape architects in Pennsylvania.

The American Institute of Architects Continuing Education System has approved this course for 7.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 7.0 HSW PDHs. Only full participation is reportable to the LA CES.

The Association of State Floodplain Managers has approved this course for 7.0 CECs for floodplain managers.

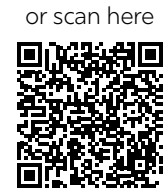
HalfMoon Education is an approved CM Provider with the American Planning Association. This course is registered for CM|7 for Certified Planners.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits

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7.0 HSW LUs (AIA), 7.0 HSW PDHs (LA CES)

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