Stormwater Management 2020
Albany, NY - Friday, April 17, 2020

Learning Objectives

You’ll be able to:

Comply with National Pollution Discharge Elimination System (NPDES) and New York state stormwater regulations.

Discuss the science behind stormwater, and analyze the classification and modeling of storm events.

Develop stormwater pollution prevention plans (SWPPPs).

Analyze the importance of pretreatment including innovative mechanical treatment and innovate vegetated/biological treatment systems.

Implement plans for stormwater management system inspection, monitoring, maintenance, and recordkeeping.

Agenda

Presented by Erik D. White, P.E. and Rob Woodman, P.E.

Understanding Stormwater Permit Requirements and Procedures
Background and development of national and state regulations and permit requirements
Complying with NPDES and the New York State Department of Environmental Conservation
- Notice of intent requirements
- What the permit covers and does not cover
- Application process
- General requirements and standard conditions
- 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

Designing Stormwater Facilities for Function and Performance with Maintenance in Mind
Space efficient subsurface storage for urban stormwater retrofits
The importance of pretreatment part 1: innovative mechanical treatment and screening
The importance of pretreatment part 2: innovative vegetated/biological treatment systems and permeable surfaces
Case studies including Philadelphia and New York City green infrastructure programs

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

Review stormwater permit requirements and procedures
Understand and apply the science of stormwater
Learn how to develop stormwater pollution prevention plans (SWPPP)

Choose stormwater facilities for function and performance with maintenance in mind
Get tips on pretreating stormwater
Plan for inspection, monitoring, maintenance, and recordkeeping

Continuing Education Credits
Professional Engineers
7.0 Continuing Ed. Hours
Architects & Landscape Architects
7.0 HSW Continuing Ed. Hours
7.0 AIA LU|HSW
7.0 LA/CES HSW PDHs
AICP Members - Planners
CM|7
Floodplain Managers
7.0 ASIPEM CECS
Contractors
Non-Credit Continuing Ed.
Erik D. White, P.E., President, UEG Consulting, LLC
Mr. White has over 20 years of experience in engineering, ranging from compliance and industrial wastewater and air treatment system evaluations to remedial study/design projects. Mr. White works with clients across a variety of industries, including iron and steel, utilities, specialty chemicals, food and food additive processing, and petroleum refining. He has particular expertise in industrial wastewater and stormwater regulatory review and implementation support under the National Pollutant Discharge Elimination System (NPDES) Program. Mr. White also provides Section 316(b) implementation support, including evaluation of existing intake structures, design of data collection programs, interpretation of results, and recommendations for improvements. He works on conceptual-level design of industrial wastewater and groundwater treatment systems and conceptual level studies with respect to appropriate alternatives for remediation of contaminated soil and groundwater. Mr. White earned a BS degree in Civil Engineering from the University of Massachusetts in Amherst and an MS degree in Environmental Engineering from University of Michigan. He is a licensed professional engineer in New York, New Jersey, Illinois, Maryland and Delaware.

Rob Woodman, P.E., Senior Stormwater Engineer, ACF in Maine
Mr. Woodman serves ACF as senior stormwater engineer. His skill set bolsters ACF’s engineering technical support service allowing ACF to better serve their clients and customers with value-added, project-specific and engineering technical support under the National Pollutant Discharge Elimination System (NPDES) Program. Mr. Woodman earned a B.S degree in Civil Engineering in 2004 from the University of Wollongong, Australia. His schooling provided the necessary knowledge for Mr. Woodman to launch his career into site civil design and the ever-trending green infrastructure industry. He spent the first 10 years as a design and project engineer for a private engineering consulting firm, gaining experience and expanding his knowledge of the industry on a wide variety of civil and stormwater engineering design projects for private and public sector clients throughout New England. He is a registered professional engineer in Maine and Pennsylvania, a certified professional in erosion and sedimentation control, a Maine DEP certified stormwater inspector, a master gardener and an entrepreneur.

**Seminar Information**

**Marriott Albany**

189 Wolf Road
Albany, NY 12205

(518) 458-8444

**Tuition**

$299 for individual registration

$279 for three or more registrations

**Continuing Education Credit Information**

This seminar is open to the public and offers up to 7.0 continuing education hours to professional engineers, and 7.0 HSW continuing education hours to architects and landscape architects in most states, including New York. HalfMoon Education is deemed a New York approved continuing education provider for engineers, architects, and landscape architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2), §69.6(i)(2), and §79-1.50(i)(2)). This event is approved by the American Institute of Architects Continuing Education System for 7.0 LU/HSW (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 7.0 HSW PDHs. Courses approved by the AIA qualify for New Jersey architects. Visit www.halfmoonevents.org for complete AIA/CES information under this course listing. Only full attendance is reportable to the AIA/CES and LA/CES. HalfMoon Education is an approved continuing education sponsor for engineers licensed in New Jersey (Approval No. 24GP00007000).

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**Registration**

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Complete the entire form. Attach duplicates if necessary.

**Tuition**

I will be attending the live seminar. Single Registrant - $299.00. Three or more registrants from the same company registering at the same time - $279.00 each.

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