

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

Activities exempt from construction general stormwater 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 (SWPPP)

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

Stormwater Management 2020

Online Webinar - Friday, April 17, 2020

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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.



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Stormwater Management 2020

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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

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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. Mr. Woodman earned a BS degree in Civil Engineering in 2004 from the University of Wollongong in 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

Log into Webinar	Break
8:00 - 8:30 am EDT	11:45 am - 12:45 pm EDT
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8:30 - 11:45 am EDT	12:45 - 5:00 pm EDT

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Additional Learning

- Webinar Series**
- Construction Cost Estimating**
- **Introduction to Cost Estimating**
Thurs., March 19, 2020, 11:00 AM - 12:30 PM CDT
 - **Cost Components – A Closer Look at the Estimates**
Thurs., March 19, 2020, 1:00 - 3:00 PM CDT
 - **Cost Estimate Organization and Examples**
Fri., March 20, 2020, 11:00 AM - 1:00 PM CDT
 - **Cost Estimating Topics**
Fri., March 20, 2020, 1:30 - 3:00 PM CDT

- Introduction to HEC-HMS**
- **Hydrologic Principles and Analysis**
Thurs., March 26, 2020, 11:00 AM - 12:30 PM CDT
 - **HEC-HMS Application User Interface**
Thurs., March 26, 2020, 1:00 - 3:00 PM CDT
 - **Model Output and Troubleshooting**
Fri., March 27, 2020, 11:00 AM - 12:30 PM CDT
 - **Large Watershed Model and Other Applications**
Fri., March 27, 2020, 1:00 - 3:00 PM CDT

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This seminar provides 7.0 CM credits to Certified Planners. HalfMoon Education is recognized as a Certification Maintenance (CM) provider by the American Planning Association.

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

This event offers a continuing education opportunity to construction contractors, but it has not been approved by any state with a continuing education requirement for contractors. 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.

Registration

Stormwater Management 2020
Online Webinar - Friday, April 17, 2020

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