

Agenda

Understanding Federal and Maryland Industrial Stormwater Laws and Regulations

E. White

Examining the development the Maryland Industrial Stormwater General Permit
Determining eligibility
Certifying for no exposure
Reviewing permit requirements
Understanding the permitting process
Exploring permit maintenance and maintenance fees

Examining Stormwater Pollutants and the Development of Total Maximum Daily Loads (TMDLs)

E. White

Total suspended solids
Oxygen-demanding substances
Excess nutrients
Metals
Other common pollutants

Creating Stormwater Pollution Prevention Plans (SWPPPs)

E. White

Complying with stormwater control measure requirements
Describing facility
Providing assessment of activities and materials
Including modification and reporting requirements
Including availability requirements
Construction site runoff control

Implementing Best Management Practices (BMPs)

S. Gorneau

BMPs to achieve “no exposure”
Stormwater reduction
Reuse of stormwater
Stormwater control/management
Structural BMPs for treating stormwater
Contingency planning for extreme weather

Sampling and Reporting

E. White

Setting up monitoring procedures
Collecting and evaluating samples
Submitting annual reports
Modifying BMPs

Complying with Maryland Industrial Stormwater Requirements

Jessup, MD - Friday, July 27, 2018



Halfmoon Education Inc.
PO Box 278
Altoona, WI 54720-0278

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Learning Objectives

You'll be able to:

Understand the industrial stormwater permitting process and explore permit maintenance and maintenance fees.

Discuss oxygen-demanding substances, excess nutrients, metals and other common pollutants.

Comply with stormwater control measure requirments.

Evaluate stormwater best management practices and make contingency plans for extreme weather.

Conduct stormwater monitoring, and collect and evaluate samples.



Complying with Maryland Industrial Stormwater Requirements

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Understand federal and Maryland industrial stormwater laws and regulations

Examine stormwater pollutants and explore the development of total maximum daily loads

Learn about creating Stormwater Pollution Prevention Plans (SWPPPs)

Explore structural BMPs for treating stormwater

Discuss sampling and reporting issues

Continuing Education Credits

Professional Engineers

6.5 PDHs

Architects

6.5 HSW Learning Units

6.5 AIA HSW Learning Units

Landscape Architects

6.5 HSW PDHs

6.5 LA/CES HSW PDHs

Floodplain Managers

6.5 ASFPM CECs



HalfMoon Education Inc.
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Faculty

Erik White *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 the University of Michigan. He is a licensed professional engineer in New York, New Jersey, Illinois, Maryland and Delaware.

Scott Gorneau *National Manager of Stormwater Solutions, ACF - Convergent Water Technologies Alliance*
As national manager of stormwater solutions for the ACF-CWT Alliance, Mr. Gorneau is responsible for managing accounts seeking to grow their businesses by offering innovative green infrastructure\low impact stormwater solutions that enable new applications and raise the bar on performance, cost effectiveness and verification. Mr. Gorneau previously served as regional vice president for FABCO Industries where he was responsible for engineering design, specification and installation of manufactured stormwater management systems. He earned a BS degree in Biological Systems Engineering and an MS degree in Agricultural and Biological Systems Engineering from the University of Nebraska-Lincoln which provided the necessary knowledge for him to launch his career into the technical sales and specified engineered products industry. He spent the subsequent time since graduation gaining experience and expanding his knowledge of the industry on a wide variety of civil and environmental engineering design projects for private and public sector clients. Mr. Gorneau is a registered professional engineer in Maine and New Hampshire, and he is a Maine certified stormwater inspector. He has been a member of the American Society of Civil Engineers (ASCE) since 1999, serving as section president in 2014.

Seminar Information

Holiday Inn Columbia East
7900 Washington Blvd.
Jessup, MD 20794
(410) 799-7500

Tuition
\$279 for individual registration
\$259 for three or more registrations.

Each registration includes a complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

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

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers, 6.5 HSW learning units to architects, and 6.5 HSW PDHs to landscape architects in Maryland.

The Maryland Board for Professional Engineers has approved HalfMoon Education as a CPC provider. This is a Category A PE course.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885). Courses approved by the American Institute of Architects are considered approved for Maryland architects.

This activity offers 6.5 HSW PDHs to Maryland landscape architects. This course is deemed acceptable, as it has been approved by the Landscape Architecture Continuing Education System for 6.5 HSW PDHs.

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

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.

Additional Learning

Webinar Series

National Electrical Code: Onsite Power Generation and Distribution

- **National Electric Code: Onsite Power Generation and Distribution Part 1**
Weds., June 6, 2018, 11:00 AM - 2:15 PM CDT
- **National Electric Code: Onsite Power Generation and Distribution Part 2**
Thurs., June 7, 2018, 11:00 AM - 2:15 PM CDT

HVAC Series

- **Heating, Ventilation and Air Conditioning Principles**
Thurs., June 7, 2018, 11:00 AM - 1:00 PM CDT
- **HVAC System Design Considerations**
Thurs., June 7, 2018, 1:30 - 2:30 PM CDT
- **Evaluating HVAC Systems and Equipment**
Fri., June 8, 2018, 11:00 AM - 12:00 PM CDT
- **HVAC System Controls and Techniques**
Fri., June 8, 2018, 12:30 - 2:30 PM CDT

Introduction to Vibrations

- **Introduction to Vibrations**
Thurs., June 14, 2018, 11:00 AM - 1:00 PM CDT
- **Eigenvalues, Eigenvectors and Motion**
Thurs., June 14, 2018, 1:30 - 3:00 PM CDT
- **Analysis and Test Methods**
Fri., June 15, 2018, 11:00 AM - 12:30 PM CDT
- **Designing for Vibration and Failure Analysis**
Fri., June 15, 2018, 1:00 - 2:30 PM CDT

Pedestrians and Bicycle Transport Planning

- **Introduction to Current Conditions and Trends in Biking and Walking**
Thurs., June 21, 2018, 11:00 AM - 12:30 PM CDT
- **Engineering and Infrastructure: Design for Walkability and Bikeability**
Thurs., June 21, 2018, 1:00 - 2:30 PM CDT
- **Developing a Walking and Biking Plan, Part I**
Fri., June 22, 2018, 11:00 AM - 12:30 PM CDT
- **Developing a Walking and Biking Plan, Part II**
Fri., June 22, 2018, 1:00 - 2:30 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

Can't Attend? Order the CD/Manual Package:

An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

Complying with Maryland Industrial Stormwater Requirements

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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: _____
Fax: 715-835-6066	Name: _____ Occupation: _____ Email: _____ Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	Name: _____ Occupation: _____ Email: _____ Phone: _____
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 seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.
- () **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
Signature: _____
Email: _____