

Agenda

Presented by Elizabeth A. Hiser, CPSWQ

Examining the Relationship between Total Maximum Daily Loads (TMDLs) and Stormwater Permitting

Types of National Pollution Discharge Elimination System (NPDES) permits

Standards and limits for permits

Stormwater management and pollution prevention plan requirements

Converting TMDL numbers into management strategies

Understanding TMDLs

General purposes of TMDLs

Addressing specific pollutants

- Nutrients and sediments
- PCBs
- Bacteria
- Mercury
- Trash

Establishing TMDL Wasteload Allocations (WLAs) for Stormwater Sources and Establishing Permit Requirements

Characterizing land use

Characterizing impervious areas

Simple and complex methods of estimating pollutant loads

Addressing TMDL Requirements in Stormwater Pollution Prevention Plans (SWPPPs)

Construction and industrial stormwater plans

MS4 stormwater plans

Choosing and implementing appropriate best management practices (BMPs) to meet TMDL requirements

Stormwater Total Maximum Daily Loads
Cincinnati, OH - Wednesday, February 21, 2018

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Learning Objectives

You'll be able to:

Explain the relationship between TMDLs and stormwater permitting.

Convert TMDL numbers into management strategies.

Understand TMDLs and be able to address specific pollutants including nutrients, sediments, and mercury.

Estimate pollutant loads using simple and complex methods.

Choose and implement appropriate best management practices to meet TMDL requirements.



Stormwater Total Maximum Daily Loads

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Understand stormwater management and pollution prevention plan requirements

Identify general purposes of TMDLs and learn how to address specific pollutants

Explore construction, industrial and MS4 stormwater plans

Learn to establish TMDL wasteload allocations for stormwater sources and establish permit requirements

Discuss best management practices to meet TMDL requirements

Continuing Education Credits

Professional Engineers

6.5 PDHs

Architects

6.5 HSW Continuing Ed. Hours

6.5 AIA HSW Learning Units

Landscape Architects

6.5 HSW Contact Hours

6.5 LA CES HSW PDHs

Floodplain Managers

6.5 ASFPM CECS

Construction Contractors

Non-Credit Continuing Ed.



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Faculty

Elizabeth A. Hiser, CPSWQ *Natural Resources Program Manager, Cuyahoga Soil & Water Conservation District*

Ms. Hiser is the Natural Resources Program Manager for the Cuyahoga Soil & Water Conservation District. She coordinates the post-construction stormwater control measures long term operation and maintenance program. Ms. Hiser coordinates outreach and training efforts for community stakeholders, residents, students, businesses, and local governments to meet required public education and involvement goals. Her work includes field surveying, data collection and analysis, site inspections, written reports, and presentations. She also performs district stream assessments and provides technical assistance to communities related to land conservation and natural resource initiatives. Prior to joining the Cuyahoga Soil & Water Conservation District, Ms. Hiser was an environmental scientist with Tetra Tech where she had 11 years of experience providing technical support on projects for the USEPA's TMDL Program and the Great Lakes Restoration Initiative. She earned her B.S. degree in Water Resources from Heidelberg College.

Seminar Information

Holiday Inn Eastgate (I-275E)
4501 Eastgate Blvd.
Cincinnati, OH 45245
(513) 752-4400

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 live lecture presentation is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects in all states, except Florida architects. This course offers 6.5 HSW contact hours to Ohio landscape architects. Educators and courses are not subject to preapproval in Ohio.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/CES and LA/CES.

HalfMoon Education is deemed an approved continuing education sponsor for architects and landscape architects in New York. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota.

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

This course offers a continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing board.

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

January Webinar Series

Technical Writing

- **Technical Writing Basics**
Tues., Jan. 9, 2018, 11:00 AM - 1:00 PM CST
- **Planning Documents**
Tues., Jan. 9, 2018, 1:30 - 3:30 PM CST
- **Writing Documents**
Wed., Jan. 10, 2018, 11:00 AM - 1:00 PM CST
- **Revising and Editing Documents**
Wed., Jan. 10, 2018, 1:30 - 3:30 PM CST

Masonry Design and Construction

- **Introduction to Masonry Materials and Requirements**
Thurs., Jan. 11, 2018, 11:00 AM - 1:00 PM CST
- **Masonry Construction Techniques**
Thurs., Jan. 11, 2018, 1:30 - 3:30 PM CST
- **Quality Control and Sampling**
Fri., Jan. 12, 2018, 11:00 AM - 1:00 PM CST
- **Masonry Inspections and the Masonry Standards Joint Committee (MSJC) Code**
Fri., Jan. 12, 2018, 1:30 - 3:30 PM CST

Deep Foundations

- **Deep Foundation Site Evaluation**
Wed., Jan. 17, 2018, 11:00 AM - 12:00 PM CST
- **Overview of Deep Foundations**
Wed., Jan. 17, 2018, 12:30 - 2:00 PM CST
- **Deep Foundation Pile Design**
Thurs., Jan. 18, 2018, 11:00 AM - 12:30 PM CST
- **Deep Foundation Installation and Testing**
Thurs., Jan. 18, 2018, 1:00 - 2:00 PM CST

Designing Solar Roofs and Community Solar

- **Design Your Solar Roof**
Wed., Jan. 24, 2018, 11:00 AM - 2:15 PM CST
- **Community Solar**
Wed., Jan. 31, 2018, 11:00 AM - 2:15 PM CST

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

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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: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066		
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		
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: _____