

Agenda

Presented by Michael LaSala

Understanding Stormwater Permit Requirements and Procedures for Small MS4s

Defining MS4s: large, medium and small
Understanding Pennsylvania Department of Environmental Protection requirements for small MS4s
Understanding USEPA expectations/requirements for small MS4s
Determining when a TMDL plan, pollutant control measures (PCMs), or nutrient/sediment pollutant reduction plan is required

Obtaining General and Individual Permits for Phase II (Small) Systems

Permit application requirements
Special conditions for sensitive waters
Review and permitting process
Complying with program requirements

Development and Implementation of a Stormwater Management Program (SWMP)

Development of program components
Establishing program goals
Complying with annual reporting requirements
Implementation and updates (iterative process)

Elements of a SWMP

Impaired waters plan (TMDLs, PRPs, etc.)
Minimum control measures (MCMs) (public education, illicit discharge detection and elimination, etc.)
Evaluating and selecting best management practices (BMPs)
How elements support program goals

Sample Programs and Goals

Reviewing developed and tracked program goals
Maximum extent practicable methodology

Pennsylvania MS4s:

Elements of a Stormwater Management Program (SWMP)
State College, PA - Thursday, February 15, 2018



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Learning Objectives

You'll be able to:

Understand Pennsylvania Department of Environmental Protection and USEPA expectations/requirements for small MS4s.

Obtain general and individual permits for Phase II systems.

Develop and implement a stormwater management program and comply with annual reporting requirements.

Evaluate best management practices to support stormwater management program goals.

Review sample programs and discuss the maximum extent practicable methodology.



Pennsylvania MS4s: Elements of a Stormwater Management Program

State College, PA - Thursday, February 15, 2018



Understand stormwater permit requirements and procedures for small MS4s

Comply with Phase II program requirements

Determine when a TMDL plan or nutrient/sediment pollutant reduction plan is required

Develop program components of a stormwater management program (SWMP) and establish program goals

Review elements of an SWMP, including minimum control measures and best management practices

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 Continuing Ed. Hours
6.5 LA CES HSW PDHs

Floodplain Managers

6.5 ASFPM CECs



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Michael LaSala *Senior MS4 Program Manager/Analyst at LandStudies, Inc.*

Mr. LaSala provides technical assistance across the company’s three divisions: Landscape Architecture, Engineering & Science, and Construction, and he provides NPDES assistance – primarily related to MS4 permits – throughout the mid-Atlantic region. Additionally, his unique experience in municipal operations has served LandStudies’ clients through intergovernmental cooperation, ordinance development, and comprehensive planning. Mr. LaSala has earned the designation of certified professional in municipal stormwater management (CPMSM) (formerly CMS4S) from EnviroCert International. The CPMSM certification recognizes individuals who are technically and ethically qualified to develop, implement, manage and coordinate a municipal stormwater management program (SWMP) to achieve and maintain compliance in conformance with applicable NPDES MS4 regulations and permits.

Here’s what past attendees had to say about the program and presenter Michael LaSala:

- “Great job, very entertaining, well presented.” – *Municipal Employee*
- “He knows the subject and presented the subject matter well.” – *Civil/Structural Engineer*
- “This was a very valuable and comprehensive CEU course.” – *Landscape Architect*

Seminar Information

Toftrees Golf Resort & Conference Center One Country Club Lane State College, PA 16803 (814) 234-8000	Registration 8:00 - 8:30 am Morning Session 8:30 am - 12:15 pm	Lunch (On your own) 12:15 - 1:15 pm Afternoon Session 1:15 - 4:30 pm
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Tuition
\$279 for individual registration
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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.



Webinar Series

Seismic Design and Construction
• **Seismology and Building Codes**
Wed., Dec. 27, 2017, 11:00 AM - 3:30 PM CST
• **Seismic Design of Building Structures**
Thurs., Dec. 28, 2017, 11:00 AM - 3:30 PM CST

The Distributed Battery Webinar Series
• **The Distributed Battery Webinar, Part I**
Thurs., Dec. 28, 2017, 11:00 AM - 2:15 PM CST
• **The Distributed Battery Webinar, Part II**
Fri., Dec. 29, 2017, 11:00 AM - 2:15 PM CST

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

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

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 HSW continuing education hours to landscape architects and architects and 6.5 PDHs to professional engineers in Pennsylvania. Educators and courses are not subject to pre-approval in Pennsylvania.
Professional engineers, architects, and landscape architects seeking continuing education credit in other states will be able to apply the hours earned at this seminar, in many cases. Refer to specific state rules to determine eligibility.
This course is approved by the American Institute of Architects for 6.5 HSW Learning Units (AIA Sponsor No. J885) and the Landscape Architecture Continuing Education Systems for 6.5 HSW PDHs. The Association of State Floodplain Managers has approved this course 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.

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

Pennsylvania MS4s: *Elements of a Stormwater Management Program (SWMP)*
State College, PA - Thursday, February 15, 2018

How to Register	Registrant Information
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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)
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