

Agenda

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 Nebraska Department of Environmental Quality regulations

- Notice of intent requirements
- What the permit covers and does not cover
- Application process
- General requirements and standard conditions
- Implementing, monitoring and assessing SWPPPs

Developing Stormwater Pollution Prevention Plans

Including required elements

Assessing building sites

Choosing best management practices (BMPs)

Planning for required inspection, maintenance and recordkeeping

Obtaining plan certification

Implementing SWPPPs

Choosing Appropriate Stormwater Best Management Practices (BMPs)

Stormwater management planning

- Sizing criteria

Green infrastructure practices

- Preservation of natural features and conservation design
- Reducing impervious cover

Green management techniques

- Conservation of natural areas
- Vegetated swales
- Stream daylighting
- Green roofs
- Rain barrels/cisterns
- Proprietary practices
- Riparian buffers and filter strips
- Disconnected runoff
- Rain gardens
- Stormwater planters
- Porous pavement

Tying it all Together: Planning, Modeling, Design and Maintenance

Case study – Spring Lake Park in Omaha, Nebraska

- Planning
- Modeling
- Design

Stormwater Management 2019

Lincoln, NE - Thursday, September 26, 2019

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Learning Objectives

Learners will be able to:

Determine when a stormwater permit is necessary and comply with stormwater permit requirements.

Classify activities exempt from construction general stormwater permit requirements.

Describe the elements to be included in stormwater pollution prevention plans.

Choose appropriate stormwater best management practices (BMPs), including vegetated swales, rain gardens, porous pavement and detention/retention basins.

Identify key issues in stormwater modeling and maintenance.



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Understand the background and development of national and state stormwater regulations and permit requirements

Identify activities exempt from construction general stormwater permit requirements

Examine the required elements and best management practices for stormwater pollution prevention plans

Learn about green infrastructure practices including vegetated swales and rain gardens

Review case studies on BMP design, stormwater modeling, and BMP maintenance

Continuing Education Credits

Professional Engineers

6.0 PDHs

Landscape Architects

6.0 Contact Hours

6.0 LA/CES HSW PDHs

Architects

6.0 HSW CEUs

6.0 AIA LU|HSW

Contractors

Non-Credit Continuing Ed.



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Rock Krzycki *CISEC (Senior Environmental Health Specialist) Stormwater Inspector for the City of Lincoln Transportation and Utilities Department*
Mr. Krzycki has over 16 years’ experience in the field of municipal stormwater compliance in such areas as public education, public participation, illicit discharge detection, construction site runoff, post construction BMP’s and monitoring. He has assisted in drafting stormwater ordinances and design standards and reviews and authorizes Notice of Intent SWPPP applications for large and residential sites. Mr. Krzycki conducts compliance inspections of both sediment and erosion control and Post Construction Best Management Practices. He is a CISEC Sediment and Erosion Control Certified Inspector and has worked in the field of design construction for over 30 years in both the private and public sector.

Ben Higgins *PE (Senior Engineer), Watershed Manager for the City of Lincoln Public Works Department*
Mr. Higgins is involved with stormwater management issues in Lincoln related to public education and outreach, major urban drainage projects, flood reduction projects, stream stability and water quality projects, drainage review, erosion and sediment control, stormwater financing and

Seminar Information

**The Lincoln Marriott
Cornhusker Hotel**
333 South 13th Street
Lincoln, NE 68508
(402) 474-7474

Registration
8:00 - 8:30 am
Morning Session
8:30 - 11:45 am
Lunch (on your own)
11:45 am - 12:45 pm
Afternoon Session
12:45 - 4:00 pm

Tuition
\$289 for individual registration
\$269 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 self-study package. You may also send another person to take your place.

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.

Continuing Education Credit Information

This seminar is open to the public and offers 6.0 PDHs to professional engineers, 6.0 contact hours (HSW) to landscape architects, and 6.0 HSW CEUs/continuing education hours to architects in most states, including Nebraska. Educators and courses are not subject to preapproval in Nebraska.
Nebraska architects please note, this seminar does not address required code subject matter. Excess general CEUs can be carried over to the following compliance period. Refer to continuing education rules for details.

This seminar is approved by the American Institute of Architects for 6.0 LU|HSW (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 6.0 HSW PDHs. Only full attendance can be reported to the AIA/CES and LA/CES. Visit www.halfmoonseminars.org for complete AIA information

Architects and engineers seeking continuing education credit in other states will be able to claim the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota.

This seminar also offers a non-credit continuing education opportunity to construction contractors. It has been submitted to any state contractor licensing board for continuing education credit approval.

floodplain management. He has both bachelors and masters degrees in Civil Engineering from the University of Nebraska at Lincoln. Prior to his position with the Public Works Department starting in 2001, Mr. Higgins worked as a professional engineer in the water resources area for both public and private agencies.

Rocky J. Keehn *PE, D.WRE, CFM, ENV SP, LEED AP*
Mr. Keehn has over 30 years of experience in the field of stormwater planning and design. Projects have included detention ponding for rate control; retention ponds for water quality improvements; wetland construction; underground and above ground BMPs including rain gardens, first flush diversion structures, and special outlet structures; and retrofit of existing sites for stormwater improvements. He holds the certification of diplomate water resource engineer (D.WRE) from the American Academy of Water Resource Engineers, and is a registered engineer in the states of South Dakota, Nebraska, Minnesota, and Wisconsin. Mr. Keehn is a registered hydrologist in Wisconsin, a certified floodplain manager (CFM), LEED accredited professional and Nebraska Department of Transportation (NDOT) erosion and sediment control certified inspector.

Additional Learning

Webinar Series

Stormwater Infiltration
• **Infiltration and Soil: Water Science**
Thurs., August 8, 2019, 11:00 AM - 12:30 PM CDT
• **Infiltrating Stormwater and Maximizing Infiltration**
Thurs., August 8, 2019, 1:00 - 2:30 PM CDT
• **Improving Infiltration with Low Impact Development Techniques**
Fri., August 9, 2019, 11:00 AM - 12:30 PM CDT

Structural Design and Ethics
• **Structural Design: Ethical Issues**
Thurs., August 15, 2019, 11:00 AM - 12:00 PM CDT
• **Structural Design: Gravity Forces**
Thurs., August 15, 2019, 12:30 - 2:30 PM CDT
• **Structural Design: Lateral Forces**
Fri., August 16, 2019, 11:00 AM - 12:30 PM CDT
• **Structural Design: Wind, Seismic and Connections**
Fri., August 16, 2019, 1:00 - 2:30 PM CDT

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

Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!
Audio recordings of this seminar are available for purchase starting at \$269. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

Stormwater Management 2019

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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____
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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 - \$289.00 . Three or more registrants from the same company registering at the same time - \$269.00 each. () I am not attending. Please send me the self-study package: ☐ Downloadable MP3 Audio/PDF Manual for \$269.00 . ☐ CD/Manual Package for \$289.00 . (Please allow four weeks from seminar date for delivery)
Checks: Make payable to HalfMoon Education Inc.
Credit Card: <i>Mastercard, Visa, American Express, or Discover</i>
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