

Agenda

Presented by Kevin Boesch, CPESC – 4754

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 New Mexico Environment Department 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

Understanding and Applying the Science of Stormwater

- Hydrology, soil science and drainage
- Identifying consequences of storm events
- Stormwater modeling
- Runoff reduction, routing and storage
- Infiltration and percolation

Choosing Appropriate Storm Water 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
 - Riparian buffers and filter strips
 - Disconnected runoff
 - Rain gardens
 - Stormwater planters
 - Pervious pavement
 - Detention/retention ponds
 - Vegetated swales
 - Stream daylighting
 - Green roofs
 - Rain barrels/cisterns

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

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

New Mexico Stormwater Management 2021

Live, Interactive Webinar - Monday, July 12, 2021

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Learning Objectives

You'll be able to:

Identify which construction projects must comply with stormwater management regulations in New Mexico.

Comply with NPDES and New Mexico Environment Department requirements and permitting procedures.

Consider hydrology, soil science and drainage when developing stormwater management plans.

Preserve natural features and reduce impervious cover on building sites.

Explore green management techniques, including vegetated swales, disconnected runoff, pervious pavement and detention/retention ponds.

Develop stormwater pollution prevention plans, including plans for inspection, monitoring and maintenance.



HalfMoon Education Online Learning New Mexico Stormwater Management 2021

Live, Interactive Webinar - Monday, July 12, 2021



Examine NPDES and New Mexico Environment Department regulations

Explore the science of stormwater, including hydrology, soil science and drainage

Study green infrastructure practices and green management techniques

Learn about developing and implementing stormwater pollution prevention plans (SWPPP)

Discuss inspection, monitoring, maintenance and recordkeeping

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW CE Hours

7.0 AIA LU | HSW

Landscape Architects

7.0 CPE Contact Hours (HSW)

7.0 LA CES HSW PDHs

Floodplain Managers

7.0 ASFPM CECs

International Code Council

.7 CEUs (Sitework)



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Faculty

Kevin Boesch, CPESC – 4754 *Clean Water Act Permitting Specialist/Dust Control Specialist*

Mr. Boesch is a Certified Professional in Erosion and Sediment Control (CPESC) and has 19 years of CWA Sections 401, 402, and 404 permitting and dust control experience. He serves as an independent stormwater inspector for ADEQ Construction General Permit, Arizona Department of Transportation (ADOT) Erosion Control Specifications, Contractors SWPPP, and Project Special Provisions. Mr. Boesch is responsible for complex erosion and sediment control site design and restoration as has served as an expert witness in this field. He has served contractors, resident and district engineers, district environmental coordinators, and National Forest representatives as a resource correcting erosion and sediment control issues. Mr. Boesch performs onsite contractor training sessions educating to the Arizona Department of Environmental Quality (ADEQ) Construction General Permit, National Forest guidelines, and Corps of Engineers regulations for contractors. Additional work includes guidance of stormwater erosion control components installation and quality inspections . He has conducted stormwater training, inspections, best management practice (BMP) installation oversight, and environmental protection administration for contractors during the construction of large linear projects to bring those projects’ stormwater documents and work activities into compliance with state departments of environmental quality construction general permit requirements. Mr. Boesch has also been responsible for site management for pre-construction activities on impaired waters and tribal lands construction projects. He was a primary author of the Maricopa County, Arizona Dust Abatement Handbook and Field Guide and re-wrote the ADOT Erosion Control Manual for Highway Design and Construction. Mr. Boesch has served as and Arizona District Environmental Coordinator for the Globe District, teaches the ADOT/AGC Erosion Control Coordinator (ECC) course, and the Nevada Department of Transportation (NDOT) Water Pollution Control Manager (WPCM) course. He is the author of the ADOT SWPPP Template and Stormwater Monitoring Sampling and Analysis Plan Template.

Webinar Information

Log into Webinar 8:00 - 8:30 am MDT	Break 11:45 am - 12:45 pm MDT
Morning Session 8:30 - 11:45 am MDT	Afternoon Session 12:45 - 5:00 pm MDT

Tuition
\$289 for individual registration
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Additional Learning

AIA Contract Document Workshop
- Tues, June 1, 2021 | 8:30 am - 4:30 pm CDT

Slope Stabilization and Landslide Prevention
- Mon, June 7, 2021 | 8:30 am - 5:00 pm CDT

Soils Engineering
- Tues, June 8 2021 | 11:00 am - 2:15 pm CDT
- Wed, June 9, 2021 | 11:00 am - 2:15 pm CDT

Writing Successful Proposals and RFPs
- Tues, June 8, 2021 | 8:30 am - 5:00 pm CDT

Practical Site Engineering: Science & Techniques
- Thurs, June 10, 2021 | 11:00 am - 3:15 pm CDT
- Fri, June 11, 2021 | 11:00 am - 2:15 pm CDT

Deep Dive into Slope Stability
- Mon, June 14, 2021 | 10:00 am - 2:30 pm CDT

Engineering Ethics: Handling Ethical Issues in Professional Engineering Practice
- Fri, June 18th, 2021 | 11:00 am - 12:00 pm CDT

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Continuing Education Credit Information

This webinar is open to the public and offers 7.0 HSW continuing education hours to architects, 7.0 PDHs to professional engineers, and 7.0 HSW CPE contact hours to landscape architects in New Mexico. Courses are not subject to preapproval.

This webinar is approved by the American Institute of Architects Continuing Education System for 7.0 LU | HSW (Sponsor No. J885) and the Landscape Architect Continuing Education System for 7.0 HSW PDHs.

New Mexico architects, engineers, and landscape architects with continuing education requirements in other states will be able to apply the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

The Association of State Floodplain Managers has approved this webinar for 7.0 CECs for certified floodplain managers.

The International Code Council has approved this event for .7 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to all prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Registration

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