

Agenda

Effective Stormwater Best Management Practices

W.S. Gorneau

- Stormwater management planning
- Sizing criteria
- Green infrastructure practices
- Green management techniques

Detention Basins and Ponds

M. Nuño

- Benefits and site selection
- Sizing and design
- Maintenance considerations

Permeable Pavers

B. Flack

- Site criteria and product selection
- Preparation and installation
- Cost considerations and maintenance

Vegetated Roofs

B. Flack

- Benefits and life cycle cost
- Extensive roofs
- Intensive roofs
- Maintenance

Rain Barrels, Cisterns and Rain Gardens

B. Flack

- Stormwater collection
- Water storage
- Reuse
- Garden sizing and design
- Cost considerations

Filter Strips and Drainage Swales

B. Flack

- Benefits and design considerations
- Choosing appropriate vegetation
- Cost considerations and maintenance

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Stormwater Best Management Practices

Live, Interactive Webinar - Friday, June 21, 2024

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



Learning Objectives

You'll be able to:

Discuss green infrastructure and stormwater management techniques.

Explore the siting and sizing of detention basins and ponds.

Consider the costs and benefits of permeable pavers and vegetated roofs.

Evaluate rain barrels, cisterns and rain gardens for rainwater storage and use.

Discuss benefits and costs of using filter strips and drainage swales.



HalfMoon Education Inc.,
Your LIVE Education Leader Presents

Stormwater Best Management Practices

Live, Interactive Webinar - Friday, June 21, 2024



Plan and size stormwater management infrastructure

Consider rain barrels, cisterns and rain gardens

Discuss the design and placement of detention basins and ponds

Explore filter strips and drainage swales

Examine the costs and benefits of permeable pavers and vegetated roofs

Continuing Education Credits

Professional Engineers

6.5 PDHs

Landscape Architects

6.5 HSW CE Hours

6.5 LA CES HSW PDHs

Architects

6.5 HSW CE Hours

6.5 AIA LU | HSW

International Code Council

.65 CEUs (Sitework)

Floodplain Managers

6.5 ASFPM CECs



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Webinar Information

Online - Friday, June 21, 2024	
Log into Webinar	Break
8:30 - 9:00 am CDT	11:45 am - 12:15 pm CDT
Morning Session	Afternoon Session
9:00 - 11:45 am CDT	12:15 - 4:30 pm CDT

Tuition
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Faculty

W. Scott Gorneau
As vice president of Convergent Water Technologies, Mr. Gorneau is responsible for 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 national manager of ACF Environmental/Ferguson Waterworks and 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 in the technical sales and specified engineered products industry.

Manuel “Manny” Nuño
Mr. Nuño is a senior project manager at the Denver office of Ware Malcomb. A 2008 graduate of the University of Notre Dame with a specialty in structural and environmental engineering, he has established himself as a leader in the field of drainage and erosion and sediment control. In his 15-year career, Mr. Nuño has excelled in the design of land development projects including grading, utility design, stormwater management, and erosion control. Through his experiences as a consulting engineer, he has prepared civil construction plans for such clients as Marriott International, San Diego Gas & Electric (SDG&E), Lennar Homes, Oakwood Homes, and Kiewit Infrastructure West. In the field, Mr. Nuño has provided stormwater inspection services for SDG&E, Caesars Entertainment Group, and public agencies such as the City of Carlsbad, California, and the Town of Elizabeth, Colorado. He has managed civil projects in 17 different states and prides himself on working with developers, architects, and contractors to bridge the gap between regulatory compliance and constructability in the field.

Brad Flack
Mr. Flack has earned his designations, among select thousands in the world, as a Certified Professional in Erosion & Sediment Controls (CPESC) as well as his designation as a Certified Erosion, Sediment and Storm Water Inspector (CESSWI), lending his experience and training to his customers to consult them in all their stormwater needs. He has also earned his status as a Qualified Compliance Inspector of Stormwater (QCIS) and as a Qualified Preparer of Storm Water Pollution Prevention Plans (QPSWPPP). He also earned the Certified Erosion and Sediment Control Lead (CESCL), which is a 17.5-hour certificate program required by Washington State for all construction stormwater management. He is a subject matter expert and lead instructor for StormwaterONE, which has established itself as the leader in stormwater management training and credentialing, the school’s mission is to provide their students with the most comprehensive and up-to-date training on individual stormwater permits, online or in-person.

For more information on the presenters:
Please visit **www.halfmoonseminars.org** or scan the QR code

Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers, 6.5 HSW continuing education hours for licensed architects, and 6.5 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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The American Institute of Architects Continuing Education System has approved this course for 6.5 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

This Association of State Floodplain Managers has approved this course for 6.5 CECs for floodplain managers.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits
The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:
6.5 HSW LUs (AIA), 6.5 HSW PDHs (LA CES)

Additional Learning

Floodplain Modeling, Mapping and Regulation
- Wednesday, May 29, 2024 | 10:00 am - 2:00 pm CDT
- Thursday, May 30, 2024 | 10:00 am - 2:00 pm CDT

Understanding Subsidence Caused by Groundwater Withdrawal
- Wednesday, May 29, 2024 | 12:00 - 2:00 pm CDT

Mississippi River Conference: Environmental, Management and Planning Considerations
- Thursday, May 30, 2024 | 9:00 am - 4:00 pm CDT

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