

Agenda

New York Department of Environmental Conservation Regulatory Update *M. Steblein*

- Stormwater and water quality funding
- MS4 permit update
- Stormwater Design Manual updates
- Proposed regulations

The Five Principles of Construction Stormwater Management *M. Steblein*

- Managing communication
- Managing work
- Managing water
- Managing erosion
- Managing sediment

Extreme Precipitation and Flooding *F. Montalto*

- Types of flooding
- Causes and patterns of extreme precipitation
- Hydrological processes and watershed dynamics
- Vulnerability and risk assessment
- Impacts

ABC's of Stormwater Management: Surface and Sub-Surface Stormwater *M. Fortuna*

- Trench drain design: load factors/testing
 - Hydraulic requirements/analysis
 - Project site specifics
- Subsurface detention/retention/infiltration:
 - Types of systems
 - Design considerations - overview
 - System features - comparisons
 - Loads/load testing

Multi-Functional Stormwater Management *T. Abbott*

- Reducing detention pond footprint
- Maximizing value and space on site
- Cost-effective solutions with low-cost maintenance

Urban Stormwater Resiliency and Change in Climate *P. Balci*

- Stormwater resiliency through blue-green infrastructure
- Innovative approaches and partnerships
- Case studies on cloudburst management

S. Gabriel

Current Issues in New York Stormwater Management

Live, Interactive Webinar - Wednesday, May 22, 2024

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

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



Learning Objectives

You'll be able to:

Discuss stormwater design manual updates.

Design in accordance with the five principles of construction stormwater management.

Design to manage extreme precipitation and flooding.

Consider options for surface and subsurface stormwater detention and retention.

Examine options to add multi-functionality to your stormwater solutions.

Talk about innovative approaches to urban stormwater resiliency.



HalfMoon Education Inc.,
Your LIVE Education Leader Presents

Current Issues in New York Stormwater Management

Live, Interactive Webinar - Wednesday, May 22, 2024



Get an update on New York State DEC stormwater regulations

Consider the five principles of construction stormwater management

Handle extreme precipitation and flooding

Consider both surface and subsurface stormwater detention/retention

Explore multi-functional stormwater management

Embrace urban stormwater resilience during climate change

Continuing Education Credits

Professional Engineers
6.0 PDHs

Architects
6.0 HSW CE Hours
6.0 AIA LU | HSW

Landscape Architects
6.0 HSW CE Hours
6.0 LA CES PDHs | HSW

International Code Council
.6 CEUs (Sitework)

Floodplain Managers
6.0 ASFPM CECs



Webinar Information

Online - Wednesday, May 22, 2024

Log into Webinar 8:30 - 9:00 am EDT	Break 12:15 - 12:45 pm EDT
Morning Session 9:00 am - 12:15 pm EDT	Afternoon Session 12:45 - 4:00 pm EDT

Tuition
\$339 for individual registration.
\$309 for two or more registrants from the same company at the same time.

Included with your registration: PDF seminar manual.

How to Register

- Visit us online at www.halfmoonseminars.org
- Call customer service at 715-835-5900

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For more information, please visit our FAQ section of our website, or visit www.gotowebinar.com.

Cancellations: Cancel at least 48 hours before the start of the webinar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another webinar. You may also authorize another person to take your place.

Learn More and Register:
www.halfmoonseminars.org
Customer Service (715) 835-5900 Ext. 1

or scan here



Faculty

Mary Steblein, PE, CPESC
Senior Civil Engineer/Project Manager, LaBella Associates
Ms. Steblein is a registered professional engineer in New York State and a certified professional in erosion and sediment control. For 25 years, she has worked as a civil engineer in consulting engineering, first with URS Corporation (acquired by AECOM) and for the last 16 years with LaBella Associates. Ms. Steblein specializes in stormwater regulations, permitting of all varieties, and municipal engineering. Her stormwater focus is on the NYSDEC SPDES permits for Stormwater Discharges from Construction Activity and Municipal Separate Storm Sewer Systems. Ms. Steblein has been involved in more than 75 Stormwater Pollution Prevention Plans (SWPPPs) with LaBella and has reviewed dozens of SWPPPs for municipal clients.

Franco Montalto, PhD, PE
Professor, Civil, Architectural and Environmental Engineering, Drexel University
Dr. Montalto is a civil engineer interested in the development of ecologically, economically, and socially sensible solutions to urban environmental problems, with a focus on sustainable water resources engineering and climate change. His 25 years of experience have included research and design of a variety of nature-based solutions involving ecological restoration of degraded landscapes, the use of constructed wetlands for wastewater and stormwater treatment, as well as work with “green infrastructure” and “low impact development” technologies as a means of managing urban runoff, while promoting urban sustainability and resilience. Dr. Montalto is currently a professor at Drexel University, where he directs the Sustainable Water Resource Engineering Lab.

Pinar Balci, PhD *Water Lead and Deputy East Water Lead, WSP NYC*
Dr. Balci has recently been appointed as the NYC Water Lead and Deputy East Water Lead at WSP. Over the past decade, Dr. Balci spearheaded major infrastructure projects while serving as the assistant commissioner at the NYC DEP. She orchestrated the nation’s largest green infrastructure and innovative cloudburst management program with \$3.5 billion budget to reduce CSOs, improving water quality in New York Harbor while bolstering resilience in environmental justice communities. Prior to joining NYC DEP, Dr. Balci held multiple management positions at the SFWMD, where she was responsible for planning and providing policy, permitting oversight to an array of Everglades restoration and capital projects.

Taylor Abbott *Sales Manager, Cultec*
Mr. Abbott is a territory manager with Cultec, the 1st patented manufacturer of plastic stormwater chambers. He manages the Midwest and NY territories, working directly with civil engineers and landscape architects to promote responsible and economical design of plastic stormwater chambers. He has overseen the installation and design of commercial chamber systems with all ranges of project goals and storage requirements. Mr. Abbott graduated from Western Connecticut State University where he played men’s soccer and obtained a bachelor’s degree in History. Following his graduation he joined the family business, Cultec. His grandfather was responsible for patenting the very first stormwater chamber, and his father still has a managing role in the company, now owned by ADS.

Michael Fortuna *New York Area Sales Manager, ACO, Inc.*
Mr. Fortuna’s nearly 50 years’ experience in the construction industry brings extensive and diverse knowledge of many facets of commercial and residential construction. A fourth generation home builder and land developer, Mr. Fortuna designed homes that work in unison with the land, creating ecologically friendly designs which focus

on energy efficient homes and environmentally friendly landscapes. He has created landscapes and hardscapes that focus on controlling runoff and recharging the water cycle. Mr. Fortuna was also a certified post-tension concrete designer/installer building PT concrete tennis courts. Shifting focus after the 2007 housing fiasco he spent several years as a regional sales manager for a large pre-cast concrete stormwater manufacturer managing the culverts and underground retention/detention vaults division in the heavy civil construction sector.

Søren Gabriel *Head of R&D, Climate and Sustainability, Department of Urban Development and Climate Adaptation*
Since 1997, Mr. Gabriel has worked as a consultant in a Danish company that later became part of WSP - Mr. Gabriel is responsible for development within climate adaptation and sustainability and has had a central role in the development of the Danish approach to holistic climate adaptation. As part of this, Mr. Gabriel has, among other things, been included in a number of Copenhagen’s climate and cloud breaking projects. Mr. Gabriel has a background in research and teaching environmental management and assessment.

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 6.0 PDHs for professional engineers, 6.0 HSW continuing education hours for licensed architects, and 6.0 HSW continuing education hours for landscape architects in New York.

HalfMoon Education is deemed an approved continuing education sponsor for New York engineers, architects and landscape architects via its registration with the American Institute of Architects Continuing Education System and the Landscape Architecture Continuing Education System.

The American Institute of Architects Continuing Education System has approved this course for 6.0 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 6.0 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

This Association of State Floodplain Managers has approved this course for 6.0 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 does not qualify for credit in New York, as it does not provide immediate instructor interaction. The following pre-approvals may still be available for the on-demand format upon request: 6.0 HSW LUs (AIA) 6.0 HSW PDHs (LA CES) 6.0 ASFPM CECs