

Credit Information

New York Stormwater Management 2021

This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects in all states. It offers 6.5 HSW continuing education hours to landscape architects in all states, except Florida, New Jersey, and North Carolina.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), and North Carolina (S-0130). 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 (Regulations of the Commissioner §68.14(i)(2), §69.6(i)(2), and §79-1.5(i)(2)). Courses approved by the AIA/CES qualify for Florida and New Jersey architects. Other states do not preapprove continuing education providers or courses.

HalfMoon Education has been approved as a continuing education sponsor by the American Institute of Architects Continuing Education System (Sponsor No. J885) and the Landscape Architecture Continuing Education System. Course approvals with the AIA/CES and LA CES are applied for and pending. Only full participation is reportable to the AIA/CES and LA CES.

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

The International Code Council has approved HalfMoon Education as a sponsor of continuing education (Preferred Provider No. 1232). Course approval is pending in the specialty area of Sitework.

Visit this course listing at www.halfmoonseminars.org for updates on pending credits.

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

Parking Structure Design, Construction and Maintenance

This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects in all states.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Courses approved by the AIA/CES qualify for Florida and New Jersey architects. Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved HalfMoon Education as a sponsor of continuing education (Sponsor No. J885). Course approval is applied for and pending. Only full participation is reportable to the AIA/CES.

The International Code Council has approved HalfMoon Education as a sponsor of continuing education (Preferred Provider No. 1232). Course approval is pending in the specialty area of Building.

This course is registered with the American Planner Association AICP for CM | 6.5 for Certified Planners.

Visit this course listing at www.halfmoonseminars.org for updates on pending credits.

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

Live, Interactive Webinars

- New York Stormwater Management 2021
- New York Parking Structure Design, Construction and Maintenance

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Live, Interactive Webinars

New York Stormwater Management 2021

- Thursday, September 9, 2021 | 8:30 am - 4:30 pm EDT

New York Parking Structure Design, Construction and Maintenance

- Friday, September 17, 2021 | 8:30 am - 4:30 pm EDT

To register, view detailed presenter biographies, and see other learning opportunities, please visit:

www.halfmoonseminars.org

or call our Customer Service Department at (715) 835-5900



HalfMoon Education Online Learning

Live, Interactive Webinars



New York Stormwater Management 2021

Thursday, September 9, 2021 | 8:30 am - 4:30 pm EDT

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours
AIA: Pending Landscape Architects: 6.5 HSW CE Hours
LA CES: Pending Floodplain Managers: 6.5 ASFPM CECs
International Code Council: Pending (Sitework)



New York Parking Structure Design, Construction and Maintenance

Friday, September 17, 2021 | 8:30 am - 4:30 pm EDT

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours
AIA: Pending International Code Council: Pending
Certified Planners/AICP: CM | 6.5 CEUs



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HalfMoon Education Inc.
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New York Stormwater Management 2021

Thursday, September 9, 2021 | 8:30 am - 4:30 pm EDT (incl. a 60-min break)

Tuition: \$289 per registrant, \$199 per registrant for three or more

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours
AIA: 6.5 LU| HSW Landscape Architects: 6.5 HSW CE Hours
LA CES: 6.5 HSW PDHs Floodplain Managers: 6.5 ASFPM CECs
International Code Council: .65 CEUs (Sitework)

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 the New York State Department of Environmental Conservation
 - 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
- Classifying storm events
- Identifying consequences of storm events
- Stormwater modeling

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

Designing Best Management Practices for Controlling Stormwater

- Overview of best management practices
- Types of best management practices
- Case studies examples – proper design of best management practices
- Industrial facility
- Warehouse/retail complex
- Recreational/parks

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

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New York Parking Structure Design, Construction and Maintenance

Friday, September 17, 2021 | 8:30 am - 4:30 pm EDT (incl. a 60-min break)

Tuition: \$289 per registrant, \$199 per registrant for three or more

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours
AIA: Pending International Code Council: Pending
Certified Planners/AICP: CM | 6.5 CEUs

Agenda

Planning for Structured Parking

- How many spaces are needed
- Shared parking concepts
- Site selection

Functional Design

- Introduction
- Types of parking structures
- The level of service approach
- Parking geometrics
- Circulation systems

Building Codes

- Life safety issues
- Means of egress
- Guards and vehicle barriers

Accessible Parking Design

- Introduction to ADA
- Parking design under ADA
- Other considerations

Passive Security, Lighting and Other Design Elements

Case Studies/Examples

Structural Systems

- Cast-in-place, post-tensioned
- Precast, prestressed
- Structural design overview

Designing for Durability

- Concrete admixtures
- Expansion joint systems
- Joint sealants
- Traffic coatings
- Life cycle cost

Maintenance, Restoration, and Repair

- The deterioration curve
- Benefits and challenges for various types of parking structures
- Condition assessments
- Establishing a restoration program
- Repair documents
- Routine repair and maintenance
- Proactive repair and maintenance
- Structural repairs

Design for Adaptive Use

- What is adaptive use
- Adaptive reuse concepts and basic costs

Case Studies/Examples

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Can’t Attend? Order the Webinar as a Self-Study Package!

Recordings of these webinars are available for purchase. Visit these course listings on our website 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. Self-study packages do not qualify for AIA or LA CES credit.

Faculty

New York Stormwater Management 2021

Erik White *President, UEG Consulting, LLC*

Mr. White has over 20 years of experience in engineering, ranging from compliance and industrial wastewater and air treatment system evaluations to remedial study/design projects. Mr. White works with clients across a variety of industries, including iron and steel, utilities, specialty chemicals, food and food additive processing, and petroleum refining. He has particular expertise in industrial wastewater and stormwater regulatory review and implementation support under the National Pollutant Discharge Elimination System (NPDES) Program. Mr. White also provides Section 316(b) implementation support, including evaluation of existing intake structures, design of data collection programs, interpretation of results, and recommendations for improvements. He works on conceptual-level design of industrial wastewater and groundwater treatment systems and conceptual-level studies with respect to appropriate alternatives for remediation of contaminated soil and groundwater. Mr. White earned a BS degree in Civil Engineering from the University of Massachusetts in Amherst and an MS degree in Environmental Engineering from the University of Michigan. He is a licensed professional engineer in New York, New Jersey, Illinois, Maryland and Delaware.

New York Parking Structure Design, Construction and Maintenance

David Vander Wal, PE *Senior Vice President in Walker Consultants' New York Office*

Mr. Vander Wal has been with Walker for over 30 years, serving as a senior project manager as well as in managerial capacities. Prior to joining Walker he worked for a structural engineering firm specializing in public transportation. Currently the design principal for Walker’s New York office, Mr. Vander Wal brings a wide range of experience in parking design, including structural engineering, project management, conceptual and master planning, and restoration. He has been involved in designing parking structures for governments, airports, mixed-use developments, casinos, hospitals, and universities. Mr. Vander Wal has a strong interest in the unique challenges of designing user-friendly parking on constrained sites where vehicular access, pedestrian circulation, exit queuing and tight structural grids make it difficult to meet efficiency goals and user goals simultaneously. He has worked in countries all over the world, as well as in the Metro area, to create high-functioning but cost- effective solutions. Mr. Vander Wal is licensed in six states and is on the board of the New York State Parking Association as well as being a member of the International Council of Shopping Centers.

Scott Ashley, PE *Director of Operations in Walker Consultants' New York Office*

Mr. Ashley has been with Walker for over ten years and serves as the Director of Operations and Chief Engineer for the New York office. He worked in forensic structural engineering before moving to New York. As Director of Operations, Mr. Ashley oversees all design projects done in the New York office, including structures for large public agencies, medical campuses, and private developments. His projects have ranged in size from a two-level garage with just over 100 spaces to garages with more than 1,100 spaces. His background in engineering, structural design, parking consulting, and project management enables him to guide a team of consultants from different disciplines and to serve as a trusted advisor to his clients, bringing projects from the initial planning stages through approvals, detailed design of foundations, superstructures, durability elements and architecture, and through construction and testing. He is a member of the Precast Concrete Institute and the American Institute of Steel Construction.

Nicholas Frezza, Assoc. AIA *Parking Consultant in Walker Consultants' New York Office and Automation Technologies Leader for Walker*

Mr. Frezza has been with Walker for ten years and worked for another parking specialist firm for several years before. His projects include consulting projects to help clients solve specific design challenges, as well as project management of new structures through all phases of design and through construction. Mr. Frezza has worked in Walker’s Dubai office as well as New York; in the Dubai office he worked on development projects for new neighborhoods, integrating parking into complex larger networks of vehicular and pedestrian circulation, as well as working on underground and podium parking systems with thousands of parking spaces that he integrated into larger campus circulation and structural grids. With a background in architecture, Mr. Frezza is a key resource for code analyses, particularly as they relate to ADA parking requirements. Additionally, he has taken a strong interest in parking technologies, including space-saving automated (“robotic”) parking systems. Mr. Frezza is Walker’s leader for automated parking, providing input on projects all over the country. Mr. Frezza was named as one of the National Parking Association’s “40 Under 40” in 2018.