

Agenda

Presented by Joseph W. Delaney, PhD, P.E., PgMP, CCM, LEED AP

Science of Soils

Physical properties of soil
Soil structure
Subsurface structure
Blocky structure
Bulk densities
Macroporosity and micropores

Stormwater Management

State and local rule requirements
Drainage system controls
Sediment traps and basins
Buffer zone requirements
Slope stabilization
Homebuilder lot BMP compliance
Establish proper building materials handling and storage areas
Establish proper equipment/vehicle fueling and maintenance practices
Develop spill prevention and response plan

Earthwork Safety (by Design)

What is safety by design?
Weight of soil and excavation hazards
Underground installations
Water accumulation
Protection of employees and related problems
Soil classification and definitions

Site Plans

What site plans must include
Compacting and soil testing
Primary soil considerations
Surface water, groundwater, paving and surfacing
Excavation specs and haul payments
Construction grade staking

Site Program Management

Strategic vs. tactical thinking
Program governance
Three themes of program management
Project phases

Practical Site Engineering: Science and Techniques
Rochester, NY - Wednesday, April 11, 2018

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Learning Objectives

You'll be able to:

Understand the physical properties of soil.

Understand state and local stormwater requirements and evaluate stormwater BMPs.

Practice earthwork safety, and protect employees and underground installations.

Establish proper building materials handling and storage sites.

Evaluate the three themes of site program management.



Practical Site Engineering: Science and Techniques

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Understand the science of soils
Identify stormwater regulations, including buffer zone requirements
Study the contents of site plans

Learn the three themes of site program management
Discuss earthwork safety practices

Continuing Education Credits

Professional Engineers
7.0 Continuing Ed. Hours

Architects
7.0 HSW Continuing Ed. Hours
7.0 AIA HSW Learning Units

Landscape Architects
7.0 HSW Continuing Ed. Hours
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Contractors
Non-Credit Continuing Ed.



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Joseph W. Delaney, PhD, P.E., PgMP, CCM, LEED AP

Mr. Delaney is president and general manager of the construction management services group at Delaney CMS in Union Springs, New York. He is the former president of C&S Design Build Inc., C&S’s program and construction Management Company, where he started the agency construction management business, and in his 12-year career there, developed it into the fastest-growing and most profitable of the firms’ business units. At C&S, Mr. Delaney was responsible for more than \$1 billion in completed projects in the education, municipal, wastewater, airport, and private development sectors. In his 25 years as a construction professional, he has served in many roles including those of project engineer, design coordinator, superintendent, construction manager, program manager, general manager, and president. Mr. Delaney is a licensed professional engineer, holds the program management professional (PgMP®) credential, is a certified construction manager (CCM®), and is a Leadership in Energy and Environmental Design (LEED®) accredited professional. Mr. Delaney is the only person in the world with all of these credentials.

In addition, he is an expert critical path method scheduler and has presented both nationally and internationally on construction, project, and program management. Mr. Delaney received his bachelor’s, master’s, and PhD degrees in Civil Engineering from the State University of New York at Buffalo. He enjoys sharing his experience leading teams, and he has provided management training to senior management including his colleagues at the American Council of Engineering

Companies (ACEC) Senior Executive Institute and at Fortune 500 companies, including Johnson & Johnson, Inc. and L3 Communications. Mr. Delaney was recently the keynote speaker at the Tri-State Diversity Summit where he shared Delaney CMS’s (a woman-owned business enterprise) vision for equality and empowerment.

He recently published a university textbook titled, *Construction Program Management* by CRC Press. The textbook is used to teach undergraduate and graduate students and by practitioners to help them formulate a process based approach for management of large projects and programs.

Here’s what past attendees had to say about the seminar and presenter Joseph Delaney:

“The seminar was a good blend of practical examples with theoretical concepts. I really enjoyed it.” – *Structural Engineer*

“Excellent seminar. A lot of useful information presented.” – *Construction Manager*

Seminar Information

Hilton Garden Inn Rochester Downtown
155 East Main Street
Rochester, NY 14604
(585) 232-5000

Tuition
\$279 for individual registration
\$259 for three or more registrations.
Each registration includes a complimentary continental breakfast and printed seminar manual.

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

Registration
8:00 - 8:30 am
Morning Session
8:30 am - 11:45 am
Lunch (on your own)
11:45 am - 12:45 pm
Afternoon Session
12:45 - 5:00 pm

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. 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 up to 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects and landscape architects in most states, including New York.

HalfMoon Education is deemed a New York-approved continuing education provider for architects and landscape architects via its affiliation with the American Institute of Architects. HalfMoon Education is an approved continuing education provider for New York engineers (NYSED Sponsor No. 35) and New Jersey engineers (Approval No. GP2400000700). HalfMoon Education is also an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, North Carolina, and North Dakota.

This event is approved by the AIA for 7.0 HSW Learning Units (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 7.0 HSW PDHs. Courses approved by the American Institute of Architects qualify for New Jersey architects. Only full attendance can be reported to the AIA/CES and LA/CES.

This event offers a continuing education opportunity to contractors but has not been approved by any state with a continuing education requirement for contractors.

Additional Learning

February Webinar Series

National Electrical Code: A Solar Photovoltaic System Perspective

- **National Electrical Code for Building Professionals, Part I**
Wed., Feb. 21, 2018, 11:00 AM - 2:15 PM CST
- **National Electrical Code for Building Professionals, Part II**
Thurs., Feb. 22, 2018, 11:00 AM - 2:15 PM CST

Erosion and Sediment Control

- **Erosion and Sediment Overview**
Thurs., Feb. 22, 2018, 11:00 AM - 12:00 PM CST
- **Stormwater Permit Requirements and Procedures**
Thurs., Feb. 22, 2018, 12:30 - 2:00 PM CST
- **Stream Stabilization Measures**
Fri., Feb. 23, 2018, 11:00 AM - 12:00 PM CST
- **Best Management Practices and Maintenance**
Fri., Feb. 23, 2018, 12:30 - 2:30 PM CST

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

Registration
Practical Site Engineering: Science and Techniques
Rochester, NY - Wednesday, April 11, 2018

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Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Phone: _____	
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Complete the entire form. Attach duplicates if necessary.		Name: _____	
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		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 - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

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