

Credit Information

Pennsylvania Stormwater Best Management Practices 2022

This webinar is open to the public and offers 6.5 PDHs to professional engineers, and 6.5 HSW continuing education hours to architects and landscape architects licensed in Pennsylvania. Educators and courses are not subject to preapproval in Pennsylvania.

Engineers, architects and landscape architects seeking continuing education credit in other states will be able to claim the hours earned at this webinar, in most cases. Refer to specific state rules to determine eligibility. HalfMoon Education is not seeking approval for landscape architects in New Jersey.

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

HalfMoon Education is an approved continuing education provider with the Landscape Architecture Continuing Education System. This course approval is currently pending. Only full participation is reportable to the LA CES. Visit this course listing at www.halfmoonseminars.org for updates on this credit.

This webinar has been approved by the Association of State Floodplain Managers for 6.5 CECs for floodplain managers.

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

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).

Pennsylvania Engineering Law & Ethics

This webinar is open to the public and offers 6.0 PDHs to professional engineers licensed in Pennsylvania. This includes 2.0 ethics hours in states that have ethics requirements. Educators and courses are not subject to preapproval in Pennsylvania.

Engineers seeking continuing education credit in other states will be able to claim the hours earned at this webinar, in most cases. Refer to specific state rules to determine eligibility.

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).

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

Recordings of each webinar are available for purchase. See course listing online 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.

Live, Interactive Webinars

- Pennsylvania Stormwater Best Management Practices 2022
- Pennsylvania Engineering Law & Ethics

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Live, Interactive Webinars

Pennsylvania Stormwater Best Management Practices 2022

- Thursday, March 10, 2022 | 8:30 - 11:55 am EST
- Friday, March 11, 2022 | 8:30 - 11:55 am EST

Pennsylvania Engineering Law & Ethics

- Friday, March 18, 2022 | 8:30 am - 3:30 pm EST

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

www.halfmoonseminars.org

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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: Pending Floodplain Managers: 6.5 ASFPM CECs
International Code Council: .65 CEUs (Sitework)



Pennsylvania Engineering Law & Ethics

Friday, March 18, 2022 | 8:30 am - 3:30 pm EST

Credits: Professional Engineers: 6.0 PDHs, Inclyding 2.0 Ethics Hours

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Thursday, March 10, 2022 | 8:30 - 11:55 am EST (incl. a 10-min break)

Friday, March 11, 2022 | 8:30 - 11:55 am EST (incl. a 10-min break)

Tuition: \$289 per registrant, \$239 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: Pending Floodplain Managers: 6.5 ASFPM CECs
International Code Council: .65 CEUs (Sitework)

Agenda Day One

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 Pennsylvania Department of Environmental Protection regulations
- Notice of Intent (NOI) requirements
- Special conditions for sensitive waters
- Review and permitting process
- Implementing, monitoring and assessing PCSM Plans

Understanding and Applying the Science of Stormwater

- Hydrology, soil science and drainage
- Classifying storm events
- Identifying consequences of storm events
- Stormwater modeling

Developing Post Construction Stormwater Management (PCSM) Plans

- Including required SWM design elements
- Assessing building sites
- Choosing best management practices (BMPs)
- Planning for required inspection, maintenance and recordkeeping
- Obtaining plan certification
- Implementing SWM / PCSM Plans

Agenda Day Two

Choosing Appropriate Stormwater Best Management Practices (BMPs)

- Non-structural SWM BMPs
 - Preservation of natural features and conservation design
 - Reducing impervious cover
- Structural SWM BMPs
 - Sizing criteria
 - Infiltration BMPs
 - Green roofs
 - Proprietary practices
 - Riparian buffers and filter strips
 - Rain gardens
 - Rain barrels/cisterns

Operation and Maintenance of SWM BMPs

- Long term O&M
- Permit termination

PA DEP - NPDES Chapter 102 Updates

- 2019 updates to the NOI
- Permit NOI and modules
- New requirements for Chapter 102
- PCSM spreadsheet

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Credits: Professional Engineers: 6.0 PDHs

Agenda

Contract Law Primer for Engineers

- Reviewing the necessary elements of any contract
- Understanding contract “legalese”
- Determining performance
- What constitutes a breach of contract?
- What are damages and remedies?
- Liability-shifting contract provisions: warranties, guarantees and indemnities
- Making changes to contracts

Professional Liability Law

- Reviewing the grounds for professional liability claims
- Identifying who can bring a claim
- Examining common sources of professional liability claims
- Reviewing defenses to liability claims
- Determining damages
- Participating in dispute resolution: arbitration, mediation, litigation
- Obtaining Insurance coverage for professional liability claims

Professional and General Liability Insurance for Engineers

- Understanding business insurance coverage:
 - general liability vs. professional liability policies
- Additional insureds: obtaining certificates of insurance
- Understanding insurance policies:
 - Indemnities
 - Assignment
 - Insurance availability
 - Warranties, guarantees and certifications
- Recognizing and responding to claims

Complying with NCEES Model Rules of Professional Conduct

- Unauthorized practice of engineering
- Practicing in other jurisdictions
- Standards for responsible charge of engineering work
- Sealing of documents
- Obsolete codes

Handling Ethical Issues in Professional Engineering Practice

- National Society of Professional Engineers’ Code of Ethics
- Promoting health and welfare vs. managing business risk:
 - complementary or conflicting duties?
- Watching the bottom line: identifying and balancing economic pressures in design and construction
- Protecting the environment: evolving standards of care and meeting or exceeding legal requirements
- Competence and integrating new technologies: identifying and balancing the benefits and risks

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Faculty

Pennsylvania Stormwater Best Management Practices 2022

Mark D. Jones, P.E. Principal, Hartech Engineering & Consulting, LLC

Mr. Jones, P.E. is president of Hartech Engineering which was founded in 2007 as a multi-discipline civil engineering consulting firm providing infrastructure, development and municipal design services for the public and private sectors. Bringing over 30 years of engineering expertise along with specific state-of-the-art, computer-aided technology to achieve efficient, cost saving design solutions, he also provides hydrology and hydraulic studies and reports along with general civil engineering support for prime consultants to PennDOT or local municipality projects. Mr. Jones is a licensed pilot and studied Military Civil Engineering while serving in the USAF and continues his masters education locally through Penn State. Additionally, he is also a registered professional engineer in the states of Pennsylvania, Maryland, Arizona and Georgia.

Pennsylvania Engineering Law & Ethics

Richard J. Davies, Hon. AIA is a partner at Milber Makris Plousadis & Seiden LLP His practice focuses on the representation of engineers, architects, and other design professionals, as well as scientists and designers/manufacturers of complex products. He regularly acts as their consultant and advocate, particularly in respect to risk management, by negotiating contracts, addressing potential claims on projects, and regularly defending them in actions and proceedings initiated against them. Mr. Davies regularly handles cases involving errors and omissions affecting structural, mechanical, plumbing and fire protection systems, as well as accessibility (claimed violations of ADA, FHA, state or local accessibility requirements) in industrial, commercial, or residential buildings. He also handles schedule impact (e.g. delay, acceleration, and inefficiency) and extras claims; licensing prosecutions; and serious personal injury/ wrongful death claims arising from construction projects. Mr. Davies is a frequent lecturer on professional liability issues for engineers and architects and other design professionals addressing issues relating to: licensing, contract negotiations, code requirements and design standards, copyright, and litigation avoidance. He serves as counsel to the AIA Philadelphia Chapter and to The Carpenters’ Company of the City and County of Philadelphia, serves on the Board of the Center for Architecture (he was its Chairman for 5 years), and is a lecturer on contracts for the Thomas Jefferson University College of Architecture and The Built Environment. He is also a member of the Legal Reform Task Force for the Government Affairs Committee of AIA Pennsylvania, a member of the ACEC Legal Counsel Forum, a member of the Claims and Litigation Management Alliance, and a Charter Fellow of the Construction Lawyers Society of America. Mr. Davies is also a contributing author to the Pennsylvania section of the *Cumulative Supplement of the State-By-State Guide to Design and Construction Contracts and Claims* (2nd Edition), published by Wolters Kluwer. In 2019, the American Institute of Architects recognized his contributions to the profession by granting him honorary membership at its National Convention.

Kevin J. Dmochowsky is a partner at Milber Makris Plousadis & Seiden LLP. His practice is focused primarily in the areas of construction law (with a focus on representing architects and engineers), products liability, and other complex litigation. Prior to joining MMP&S, Mr. Dmochowsky practiced at a Pittsburgh-based international law firm, where he handled a variety of products liability and complex commercial litigation matters in federal and state courts across the country. He has also coordinated the defense of thousands of mass-tort claims pending in various jurisdictions and developed and implemented national trial strategies as national counsel for several industrial products manufacturers. Mr. Dmochowsky graduated *cum laude* from Case Western Reserve University School of Law in 2007, where he was a member of *Health Matrix: Journal of Law-Medicine*. During law school, he served as a judicial extern to the Honorable Donald C. Nugent of the United States District Court for the Northern District of Ohio. Mr. Dmochowsky graduated from Trinity College in 2004, with a B.A. degree in Political Science and Anthropology. He is licensed to practice in Pennsylvania and has substantial experience in many other states through pro hac vice admissions. He is also a contributing author to the Pennsylvania section of the *Cumulative Supplement of the State-By-State Guide to Design and Construction Contracts and Claims* (Second Edition) published by Wolters Kluwer.

Phillip R. Earnest is a partner at Pietragallo Gordon Alfano Bosick & Raspanti, LLP. He chairs the firm’s Insurance Coverage and Construction practice groups. He primarily represents corporations in commercial and construction matters, insurance claims and litigation. Mr. Earnest also drafts and negotiates construction, indemnity, surety, and insurance agreements for owners, contractors, specialty subcontractors, design professionals, insurers, and sureties. Mr. Earnest has tried numerous jury trials and has successfully conducted commercial and construction arbitrations throughout the federal and state court systems of Pennsylvania and West Virginia. Additionally, he has conducted alternative dispute resolution proceedings such as the American Arbitration Association and private arbitration. Mr. Earnest is recognized in the 2021 and 2022 editions of *The Best Lawyers in America* for his practice in construction law and insurance.

Rebecca A. Bowman, Esq., P.E., is a sole proprietor, practicing in dispute resolution, estate planning, civil engineering, real estate, legal services, strategic development, and training. She is experienced in dispute resolution, estate planning and administration, engineering design and forensic analysis, construction/ project management, real estate, small business start-up, employment law, and nonprofit support. She is a registered professional engineer and a certified arbitrator and mediator. Mrs. Bowman writes a column for the PE Reporter, “Risky Business,” and she lectures for the Community College of Allegheny County, Pennsylvania State University, the Washington County Bar Association, the Pennsylvania Society of Professional Engineers and others. She earned her B.S. degree in Civil Engineering from the University of North Dakota, her M.B.A. degree from Oklahoma University, and her J.D. degree from Duquesne University. She recently joined the National Society of Professional Engineers as their Senior Director of Ethics and Professional Practice.