

Agenda

Identifying Wetlands

P. Riley

Presence of wetland vegetation
Identification of wetland soils
Importance of underlying wetland hydrology

Understanding Federal and Pennsylvania Wetlands Laws and Enforcement

G. Steinbauer/H. Baldwin

The Federal Clean Water Act
Natural Resources and Environmental Protection Act
Clean Streams Law and Dam Safety and Encroachment Act
Implementing/enforcing agencies

- U.S. Army Corps of Engineers
- U.S. Environmental Protection Agency
- U.S. Department of Agriculture
- Pennsylvania Department of Environmental Protection

Wetlands Permitting Process

G. Steinbauer

Wetlands determinations and delineations
Determining applicability of regulations
Wetland permitting and certification processes

- Notice provisions
- Review process
- Mitigation/compensation requirements

Appeals process

Wetland Preservation, Restoration, Creation and Enhancement

B. Beran

Understanding the importance of wetlands

- Flood storage and conveyance
- Pollution control and carbon storage
- Erosion control
- Wildlife habitat
- Recreation

Wetland preservation strategies and techniques
Wetland restoration

- Preference for onsite and in-kind restoration
- Hydrological considerations
- Restoration techniques

Wetland creation

- Methods, benefits and drawbacks

Wetland enhancement

- Purposes and techniques

Wetlands Law and Compliance
Coraopolis, PA - Wednesday, June 20, 2018

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Learning Objectives

You'll be able to:

Understand how wetlands are delineated using wetland vegetation and soils data.

Identify the implementing and enforcing agencies that cover wetlands.

Understand the state, local and federal processes of wetland permitting.

Discuss the functions and value of wetlands for water storage, habitat and public use.

Review design considerations and best practices in wetland preservation, restoration and creation.



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Learn how wetlands are identified and delineated

Discuss federal and Pennsylvania wetland laws including the federal Clean Water Act and the Clean Streams Law and Dam Safety and Encroachment Act

Identify when wetland permits are needed

Review the federal, state and local permitting process including the notice provisions and the review process

Review the importance of wetland preservation and how to conduct wetland restoration projects

Continuing Education Credits

Professional Engineers
6.5 PDHs

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

Landscape Architects
6.5 Clock Hours
6.5 LA CES HSW PDHs

Floodplain Managers
6.5 ASFPM CECs

Attorneys
6.5 Pennsylvania CLE Hours
6.5 Ohio CLE Hours



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Patricia Riley, AICP-CEP, PWS *SWCA Environmental Consultants*
Ms. Riley is a professional wetland scientist and certified environmental planner with over 32 years of experience delineating and monitoring tidal and non-tidal wetlands, assessing habitats, and preparing environmental reports, particularly in the mid-Atlantic states. She evaluates development projects for environmental concerns and regulatory requirements, and guides clients through the approval process. Ms. Riley holds a B.S. degree in Biology/ Environmental Science from East Stroudsburg University and an M.S. degree in Ecology from Rutgers University.

Gary E. Steinbauer, Esq. *Babst Calland*
Mr. Steinbauer is an associate in the Environmental Group of Babst Calland in its Pittsburgh office. He has experience with a broad range of environmental regulatory programs and assists clients on a variety of environmental matters. Prior to joining Babst Calland, Mr. Steinbauer spent nearly eight years working as an attorney in Region 5 of the U.S. Environmental Protection Agency. While at the U.S. EPA, he handled civil enforcement matters brought under major federal environmental laws, including administrative and judicial enforcement actions involving wetlands under the Clean Water Act. Mr. Steinbauer also advised EPA regional program offices on complex

Seminar Information

Pittsburgh Airport Marriott
777 Aten Road
Coraopolis, PA 15108
(412) 788-8800

Registration
8:00 - 8:30 am
Morning Session
8:30 - 11:45 am
Lunch (On your own)
11:45 am - 12:45 pm
Afternoon Session
12:45 - 4:30 pm

Tuition
\$279 for individual registration
\$259 for three or more registrations.

Each registration includes a complimentary continental breakfast and printed seminar manual.
Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

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

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 or the CD/manual package. You may also send another person to take your place.

permitting matters, including those arising under Clean Water Act’s National Pollutant Discharge Elimination System program.
Mr. Steinbauer graduated *magna cum laude* and with a concentration in environmental law from the University of Toledo College of Law and earned a B.S. degree in Environmental Biology from Ohio University. He began his legal career by serving as a law clerk for a federal district court judge.

Hannah L. Baldwin, Esq. *Babst Calland*
Ms. Baldwin is an associate in the Environmental and Energy and Natural Resources Groups of Babst Calland in its Pittsburgh office. She assists clients in a variety of industrial sectors with a broad range of environmental matters, including issues related to federal and state permitting and regulatory compliance. Ms. Baldwin graduated *magna cum laude* from the State University of New York at Buffalo, earning a B.S. degree in Environmental Studies with a focus on environmental policy and management. Ms. Baldwin earned her law degree from the University of Pittsburgh School of Law, with a concentration in Energy & Environmental Law.

Bob Beran *Beran Environmental Services, Inc.*
Mr. Beran is the founder and president of Beran Environmental Services, Inc., and he has been active professionally in ecological

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 clock hours to landscape architects in Pennsylvania. Educators and engineer courses are not subject to pre-approval in Pennsylvania. This course is deemed approved for Pennsylvania landscape architects.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/ CES and LA/CES.

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

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

This course is approved for 6.5 CLE hours for Pennsylvania and Ohio attorneys.

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.

restoration for over 35 years. He has worked for the private sector, state and federal agencies, and non-profits, having constructed/ restored over 50 acres of wetlands. Mr. Beran is a member of the Pennsylvania Association of Environmental Professionals, the Association of State Wetland Managers, The American Society of Mining and Reclamation, and the Society of Wetland Scientists. With an extensive background in construction, heavy equipment, project management, and ecology, he has constructed mitigation and abandoned mine drainage treatment wetlands, implemented numerous bioengineering projects, and been involved in over 25 dam removal projects throughout Pennsylvania. Mr. Beran served as an instructor for the University of Pittsburgh’s Pymatuning Ecology Lab’s summer Ecological Restoration class (2002-05). He has provided training for PADOT environmental managers on wetland construction. Mr. Beran has coordinated several volunteer efforts that have resulted in the implementation of long term volunteer commitments to numerous restoration projects throughout Pennsylvania. He is currently a USDA Forest Service Forest Stewardship Plan Writer, chairman of Butler County’s Environmental Advisory Board, and serves on the academic curriculum advisory board for Slippery Rock University’s Environmental Science Department.

Additional Learning

Webinar Series

Community Solar and Rooftop Solar

- **Community Solar**
Wed., May 2, 2018, 11:00 AM - 2:15 PM CDT
- **Design Your Solar Roof**
Thurs., May 3, 2018, 11:00 AM - 2:15 PM CDT

Complying with Fire and Building Codes

- **Introduction to Fire Protection and Life Safety Design**
Thurs., May 3, 2018, 11:00 AM - 12:30 PM CDT
- **Occupancy Classifications**
Thurs., May 3, 2018, 1:00 - 2:30 PM CDT
- **Means of Egress**
Fri., May 4, 2018, 11:00 AM - 1:00 PM CDT
- **Fire Protection Features and Occupancy Exercises**
Fri., May 4, 2018, 1:30 PM - 3:30 PM CDT

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

Can’t Attend? Order the CD/Manual Package:
An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Name: _____ Occupation: _____ Email: _____ Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
Complete the entire form. Attach duplicates if necessary.	
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.
() **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*
Credit Card Number: _____
Expiration DATE: _____ CVV2 Code: _____
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City: _____ State: _____ Zip: _____
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Email: _____

