

Agenda

Understanding Federal Wetlands Laws and South Carolina Enforcement

S. Spitz,
A. Armstrong

The Federal Clean Water Act

- Definition of wetlands
- Implementing/enforcing bodies

Jurisdictional wetland determinations and delineations

Wetland permitting process

- Activities requiring permits
- Demonstration of unavoidable impacts
- State Water Quality Certification (and/or Coastal Zone Consistency Determination)
- Mitigation

Appeals process

Wetland Preservation, Restoration, Creation and Enhancement

R. Needham

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

South Carolina Wetlands Law and Compliance
Columbia, SC - Thursday, February 15, 2018

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Learning Objectives

You'll be able to:

Explore about the Federal Clean Water Act, and learn how wetlands are defined and delineated.

Discuss the wetlands permitting process.

Review procedures for state water quality certifications and coastal zone consistency determinations.

Understand strategies and techniques for wetland preservation and restoration.

Explore wetland restoration, creation and enhancement.



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Learn about the Federal Clean Water Act and the definition of wetlands

Discuss implementing/enforcing agencies

Examine how wetlands are determined and delineated

Review wetland preservation strategies and techniques

Explore wetland restoration, creation and enhancement

Continuing Education Credits

Attorneys

6.0 South Carolina CLE Hours
6.0 Georgia CLE Hours
6.0 North Carolina CLE Hours

Professional Engineers

6.0 PDHs

Architects & Landscape Architects

6.0 HSW Continuing Ed Hours
6.0 AIA HSW Learning Units
6.0 LA CES HSW PDHs

Floodplain Managers

6.0 ASFPM CECs

Professional Geologists

7.0 CE Hours

Contractors

Non-Credit Continuing Ed.



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Faculty

Amy Armstrong, *Executive Director, General Counsel, South Carolina Environmental Law Project*
Ms. Armstrong started working for SCEL P in September 2002, after receiving a competitive two year fellowship from Equal Justice Works, formerly the National Association of Public Interest Law. Once her fellowship ended, she became a staff attorney at SCEL P, a position she held for more than eight years until the untimely death of SCEL P’s founder, Jimmy Chandler. Ms. Armstrong graduated from University of South Carolina in May, 2002, with a J.D. degree and Master’s degree in Earth and Environmental Resource Management. She is a Liberty Fellow and also serves as a municipal court judge for the City of Georgetown. Ms. Armstrong received her B.S. degree in Biology from the University of Michigan in 1992. Before attending law school, she worked with the South Carolina Department of Natural Resources, managing a population of federally endangered Red-cockaded Woodpeckers. The South Carolina Environmental Law Project (SCEL P) is a non-profit public interest law firm, dedicated to the protection of the South Carolina environment.

Stephen A. Spitz, *Of Counsel with Stevens & Lee in Charleston, SC*
Mr. Spitz concentrates his practice in real estate, property and equity law and is an experienced appellate advocate in South Carolina. He is certified as a mediator in both the state and federal system in South Carolina where he assists parties in resolving disputes involving real estate and other

Seminar Information

Columbia Marriott 1200 Hampton St. Columbia, SC 29201 (803) 771-7000	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 - 4:00 pm
Tuition \$279 for individual registration \$259 for three or more registrations. <i>Each registration includes a complimentary continental breakfast and printed seminar manual.</i> 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.

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.

matters outside of the litigation process. Mr. Spitz is a former professor of law at Charleston School of Law, where he taught for 10 years, and the University of South Carolina Law School, where he taught for 25 years. He chaired Gov. Mark Sanford’s and Gov. Richard Riley’s committees on water issues in South Carolina, and was appointed special counsel for the Governor’s Interstate Water Negotiating Team with the State of Georgia. He also received Gov. Riley’s Award of Appreciation for Outstanding Service to the State of South Carolina and was honored with the J. Lee McDonald Distinguished Service Award from the Palmetto Land Title Association in 1996. Mr. Spitz is a regular speaker at various South Carolina Bar continuing legal education seminars on the topics of property law, real estate transactions and equity and equitable remedies.

Robert N. Needham, PWS
Founder of Needham Environmental, Inc., Winnabow, NC
Mr. Needham opened his wetland consulting firm in 1989. The firm has performed wetland delineations in North Carolina, Virginia, Pennsylvania, South Carolina, Alabama and the District of Columbia. Work has been primarily in the east where large wetland acreage and developmental pressure coincide. Determinations have ranged from lots to 2000 plus acres. The firm has successfully provided expert witnesses regarding wetlands. Mr. Needham has demonstrated a knowledge of regulations, policy

Continuing Education Credit Information

This seminar is open to the public. It has been approved by the South Carolina Commission on CLE, the Georgia Commission on CLC, and the North Carolina State Bar Board of CLE for 6.0 CLE hours for attorneys.

This course offers 6.0 PDHs to professional engineers and 6.0 HSW continuing education hours to architects in most states, including South Carolina. This seminar also offers 6.0 HSW hours to South Carolina landscape architects. Educators and courses are not subject to preapproval in South Carolina.

This event has been approved by the American Institute of Architects for 6.0 HSW Learning Units (Provider No. J885) and the Landscape Architecture Continuing Education System for 6.0 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 apply 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 event for 6.0 CECs.

The South Carolina Board of Registration for Geologists has approved this seminar for 7.0 CE Hours.

This seminar offers a non-credit continuing education opportunity to contractors. It has not been submitted to any state contractor licensing entity for course approval.

guidance, and technical expertise applicable to Section 404 of the Clean Water Act. During his nine years of employment in the Corps of Engineers Regulatory Program, Mr. Needham was responsible for enforcement actions of Section 404 violations. This included wetland delineation, coordination with agencies, and the development of restoration/mitigation plans. His technical knowledge of wetlands and vegetation succession, coupled with his common sense approach, resulted in an exceptionally high ratio of resolved cases without litigation. A portion of his duty in the Alaska District involved the review of technical work of three biologists, and he provided multi-parameter wetland training to 20 Alaska District regulatory personnel. In addition to his Corps experience, Mr. Needham’s years of association with the University of North Carolina at Wilmington have added to his scientific knowledge, particularly his knowledge of vegetative communities. His graduate work, comparing bird populations among three forest swamps, was related to changes in vegetation as a result of flooding frequency. His wetland mapping experience, with the Corps and under contract with the Corps, exceeds 1600 square miles. With this experience, he has become adept at recognizing long term changes in vegetative communities in relation to hydrologic changes. Mr. Needham received a B.S. degree (emphasis in Ecology) and an M.S. degree (emphasis in Wetlands) from the University of North Carolina- Wilmington. He is a certified wetland professional with the Society of Wetland Scientists.

Additional Learning

January Webinar Series

Pumping and Piping System

- **Introduction to Pumps: Operation, Principles and Calculations**
Thurs., Jan. 25, 2018, 12:00 - 2:00 PM CST
- **Design Standards and Codes**
Thurs., Jan. 25, 2018, 2:30 - 3:30 PM CST
- **Piping System Components, Materials and Calculations**
Fri., Jan. 26, 2018, 12:00 - 2:00 PM CST
- **Handling Pump and Piping System Problems**
Fri., Jan. 26, 2018, 2:30 - 3:30 PM CST

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	
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Complete the entire form. Attach duplicates if necessary.	
Registrant Information Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____ Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____ 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)
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