

Agenda

Basic Tenants of Stormwater Permitting in Florida *M. Bateman*

- Define the problem
- Federal solution – NPDES
- State solution – ERP
- ERP rule and statutory citations and their meaning
- Operating agreement between agencies for stormwater

Stormwater Best Management Practices *M. Bateman*

- Basic hydrology and water quality dynamics
- Structural BMPs – both adopted by rule and otherwise
- Low impact design
- Chemical treatment
- New technologies

Sediment and Erosion Control *H. Lunsford*

- Construction sequencing
- Pollution source controls
- Perimeter controls
- Storm drain inlet protection
- Temporary sediment traps and basins
- Vegetation for erosion control

NPDES Requirements for Construction Sites *H.Lunsford*

- Permitting regulations and statutory requirements
- Key construction general permit requirements
- Stormwater Pollution Prevention Plans (SWPPP)
- Inspection and enforcement

Innovative Stormwater BMPs – The Future of Stormwater? *M. Bateman*

- Floating islands
- Pervious pavers
- Groundwater recharge enhancement

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.

Stormwater Management 2018

Tallahassee, FL - Friday, October 19, 2018



Halfmoon Education Inc.
PO Box 278
Altoona, WI 54720-0278

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

Learning Objectives

You'll be able to:

- Review** federal stormwater regulations (NPDES) and the Florida ERP rule.
- Explore** temporary BMPs for erosion and sediment control.
- Learn** about permitting regulations and statutory requirements for stormwater control on construction sites.
- Examine** innovative stormwater BMPs.



Stormwater Management 2018

Tallahassee, FL - Friday, October 19, 2018



- | | |
|---|---|
| Examine stormwater permitting in Florida | Understand stormwater permitting requirements for construction sites |
| Review stormwater best management practices | Discuss the future of stormwater, including floating islands and pervious pavers |
| Explore erosion and sediment control techniques, such as using vegetation and temporary sediment traps | |

Continuing Education Credits

- | | |
|--|--|
| Engineers
6.5 FL Area of Practice CE Hours | Floodplain Managers
6.5 ASFPM CECs |
| Landscape Architects
6.5 Florida Credit Hours
6.5 LA/CES HSW PDHs | |





Michael Bateman P.E. *Environmental Administrator- Engineering, Hydrology and Geology for Division of Water Resource Management, Florida Department of Environmental Protection, Tallahassee, Florida*

Mr. Bateman has over 30 years’ experience in environmental science and engineering including having primary authorship of many of FDEP’s stormwater regulations and engineering criteria. While serving at FDEP and as chairperson of FSA’s Legislative Committee, he has also cultivated a comprehensive understanding of the State’s Environmental Resource Permit (ERP) and NPDES Stormwater programs, as well as the potential impact of TMDLs and impaired waters designations on various permitting decisions. Mr. Bateman has been involved in setting stormwater policy, providing leadership, and providing oversight of complex and controversial stormwater projects statewide. He is responsible for all aspects of the operation of the ERP regulatory program for the Water Management District. His responsibilities include day-to-day management of staff, providing training and guidance related to stormwater and wetland issues, rulemaking, and development of policy for the newly enacted Statewide Environmental Resource Permitting Program. Mr. Bateman acts as liaison with the US Army Corps of Engineers with respect to the wetland program, and interaction with FDOT, other State agencies, local governments and the consulting community related to implementing the new program in the panhandle. He received his MS degree in Environmental Science and Engineering from the University of Central Florida and earned his BS degree in Zoology from the University of Central Florida.

Hal Lunsford *Statewide Training Coordinator in stormwater erosion and sedimentation control for the Department of Environmental Protection in Tallahassee*

Mr. Lunsford is a 40 year veteran environmentalist, utilizing his diverse knowledge and expertise with the public and private sectors in environmental protection. His knowledge ranges from air pollution, solid waste management, groundwater monitoring, and underground storage tanks to wetlands delineation and protection, land use planning and zoning, upland and wetland restoration, emergency management and hazardous waste management, stormwater erosion and sediment control inspections and BMP installation. Mr. Lunsford started working for the Department of Environmental Regulation, which later became the current DEP. He also worked for Escambia County Planning Department and Code Enforcement, and he served as the chairman of the City of Milton’s Planning Board for 16 years. Mr. Lunsford worked for ten years in the private sector as a senior environmentalist in the Florida Panhandle. He went back to DEP to train and educate citizens in erosion and sediment control techniques. Mr. Lunsford developed a “hands-on” erosion and sediment control BMP field workshop that is being taught throughout all six districts of DEP in the State of Florida. The International Erosion Control Association (IECA) Southeastern Chapter elected Mr. Lunsford as the Florida member representative, and he is currently serving his second term representing Florida members. He graduated from the University of West Florida with a bachelor’s degree in Earth and Atmospheric Sciences, and he holds a master’s degree in Public Administration. Mr. Lunsford is an active member of the U.S. Green Building Council. He enjoys fishing, kayaking, hiking, and bicycling in many of the Federal and State park systems found throughout the Panhandle of Florida, lower Georgia and Alabama. Protection of our wonderful environment is the paramount focus in Mr. Lunsford’s life and career as a professional environmentalist.

Seminar Information

Four Points by Sheraton Tallahassee Downtown 316 West Tennessee Street Tallahassee, FL 32301 (850) 422-0071	Registration 7:30 - 8:00 am Morning Session 8:00 am - 12:00 pm Lunch (On your own) 12:00 - 1:00 pm Afternoon Session 1:00 - 4:00 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.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 continuing education hours to engineers in most states, including Florida.

HalfMoon Education is an approved continuing education provider for Florida professional engineers (Provider No. 0004647). This course qualifies for 6.5 Area of Practice continuing education hours.

HalfMoon Education Inc. is an approved continuing education sponsor for Florida landscape architects. This course has been approved for 6.5 continuing education credit hours.

The Landscape Architecture Continuing Education System has approved this event for 6.5 HSW PDHs.

The Association of State Floodplain Managers has approved this program for 6.5 CECs.

Attendance will be monitored and reported, as required. 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.

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.

Additional Learning

Webinar Series

- Off-grid Photovoltaic Master Class**
- **Off-grid Photovoltaic Master Class, Part I**
Wed., Oct. 3, 2018, 11:00 AM - 2:15 PM CDT
 - **Off-grid Photovoltaic Master Class, Part II**
Thurs., Oct. 4, 2018, 11:00 AM - 2:15 PM CDT

- Stormwater Management Systems**
- **Basics of Stormwater Regulations and Requirements, Including New EPA Regulations**
Thurs., Oct. 4, 2018, 11:00 AM - 12:00 PM CDT
 - **Working with the Regulator**
Thurs., Oct. 4, 2018, 12:30 - 2:00 PM CDT
 - **Site Planning and Choosing Best Management Practices**
Fri., Oct. 5, 2018, 11:00 AM - 12:00 PM CDT
 - **Long-term Stormwater Management Practices**
Fri., Oct. 5, 2018, 12:30 - 2:00 PM CDT

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

Registration

Stormwater Management 2018

Tallahassee, FL - Friday, October 19, 2018

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	Name: _____ Occupation: _____ Email: _____ Phone: _____
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: <i>Mastercard, Visa, American Express, or Discover</i>
Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
Signature: _____
Email: _____

