

# Agenda

## Understanding Stormwater Permit Requirements and Procedures D. Koffman

Background and development of national and state regulations and permit requirements  
Activities exempt from construction general stormwater permit requirements  
Complying with NPDES and California State Department of Ecology regulations  
Notice of intent requirements  
Special conditions for sensitive waters  
Review and permitting process  
Implementing, monitoring and assessing SWPPPs

## Understanding and Applying the Science of Stormwater D. Koffman

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

## Developing Stormwater Pollution Prevention Plans (SWPPP) R. Keish

Including required elements  
Assessing building sites  
Choosing best management practices (BMPs)  
Planning for required inspection, maintenance and recordkeeping  
Obtaining plan certification  
Implementing SWPPPs

## Choosing Appropriate Stormwater Best Management Practices (BMPs) R. Keish

Stormwater management planning  
Sizing criteria  
Green infrastructure practices  
Preservation of natural features and conservation design  
Reducing impervious cover  
Green management techniques  
Conservation of natural areas  
Riparian buffers and filter strips  
Vegetated swales  
Disconnected runoff  
Stream daylighting  
Rain gardens  
Green roofs  
Stormwater planters  
Rain barrels/cisterns  
Porous pavement  
Proprietary practices

## Developing Plans for Inspection, Monitoring, Maintenance and Recordkeeping R. Keish

Understanding the science and terminology of stormwater management and monitoring  
Implementing monitoring plans  
Reviewing stormwater BMP case studies

Stormwater Management 2018  
San Jose, CA - Wednesday, July 18, 2018

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

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



# Learning Objectives

## You'll be able to:

**Determine** when a stormwater permit is necessary and comply with stormwater permit requirements.

**Describe** the elements to be included in stormwater pollution prevention plans (SWPPPs).

**Obtain** plan certifications for SWPPPs.

**Choose** appropriate stormwater best management practices (BMPs) and develop plans for inspection, monitoring, maintenance and recordkeeping.

**Utilize** green infrastructure practices and green management techniques to reduce stormwater runoff.



# Stormwater Management 2018

San Jose, CA - Wednesday, July 18, 2018



**Understand** the background and development of national and state stormwater rules and permit requirements

**Identify** activities exempt from construction general stormwater permit requirements

**Examine** required elements and best management practices for stormwater pollution prevention plans

**Review** stormwater best management practices that can reduce stormwater runoff

**Learn** about stormwater management, monitoring and recordkeeping

## Continuing Education Credits

**Professional Engineers**  
7.5 Continuing Ed. Hours

**Landscape Architects**  
7.5 LA CES HSW PDHs

**Floodplain Managers**  
7.5 ASFPM CECS

**Architects**  
7.5 AIA HSW Learning Units



HalfMoon Education Inc.  
WWW.HALFMOONSEMINARS.ORG



# Faculty

**David Koffman** – *Storm Water Inspection & Maintenance Services, Inc.*  
Mr. Koffman manages projects throughout the Northwestern States, with a strong focus on the California Sacramento and San Joaquin Valley. He provides technical expertise in relation to stormwater compliance solutions and works closely with property managers, municipalities, general contractors, Caltrans and the Army Corp of Engineers. Mr. Koffman is a qualified SWPPP developer and qualified SWPPP practitioner through the California Storm Water Quality Association. He is also a certified professional in erosion and sediment control, and a certified inspector of erosion and sediment control.

**Rachel Keish** – *CEO at Keish Environmental*  
Ms. Keish has over 18 years of experience in civil engineering, specializing in environmental engineering, stormwater, and construction mitigation compliance. She assists agencies with stormwater program compliance under NPDES permits. Ms. Keish is a CASQA qualified trainer under the Statewide Construction General Permit and Industrial General Permit, as well as a QSP/D and QISP. Her project experience includes work in design and construction, and as CEO of Keish Environmental she oversees environmental compliance on large infrastructure projects such as the BART Silicon Valley Extension and water district flood control and restoration projects. She is also an envision sustainability professional (ENV SP) with the Institute for Sustainable Infrastructure, as well as an ISI verifier and trainer. Ms. Keish is active in CASQA, WTS, CMAA, APWA, CWPA, and ASCE, currently serving as the San Francisco Section ASCE Sustainability Committee chair and CASQA Non-Traditional Phase 2 MS4 Workgroup coordinator. She has a B.S. degree in Civil Engineering from The University of Texas at Austin, and an M.S. degree in Environmental Engineering from UC Berkeley.

# Seminar Information

**Four Points by Sheraton San Jose Airport**  
1471 North 4th Street  
San Jose, CA 95112  
(408) 452-0200

**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](http://www.halfmoonseminars.org).

**How to Register**

- Visit us online at [www.halfmoonseminars.org](http://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 a continuing education opportunity to California professional engineers, landscape architects, architects (non-credit), and floodplain managers. Continuing education is not required for license maintenance or renewal in California.

This seminar is approved by the American Institute of Architects for 7.5 HSW Learning Units (Sponsor No. J885), the Landscape Architecture Continuing Education System for 7.5 HSW PDHs, and the Association of State Floodplain Mangers for 7.5 CECs. Only full attendance can be reported to the AIA/CES and LA/CES.

Professional engineers, landscape architects, and 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.

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.

# Additional Learning

## Webinar Series

- Introduction to Vibrations**  
Thurs., June 14, 2018, 11:00 AM - 1:00 PM CDT
- **Introduction to Vibrations**  
Thurs., June 14, 2018, 11:00 AM - 1:00 PM CDT
- **Eigenvalues, Eigenvectors and Motion**  
Thurs., June 14, 2018, 1:30 - 3:00 PM CDT
- **Analysis and Test Methods**  
Fri., June 15, 2018, 11:00 AM - 12:30 PM CDT
- **Designing for Vibration and Failure Analysis**  
Fri., June 15, 2018, 1:00 - 2:30 PM CDT

For more information visit:  
[www.halfmoonseminars.org/webinars/](http://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

**Stormwater Management 2018**  
San Jose, CA - Wednesday, July 18, 2018

| How to Register                                                                          | Registrant Information                                                                                                                                              |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Online:</b><br><a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a> | Name: _____<br>Company/Firm: _____<br>Address: _____<br>City: _____ State: _____ Zip: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____                    |
| <b>Phone:</b><br>715-835-5900                                                            | <b>Additional Registrants:</b><br>Name: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____                                                                  |
| <b>Fax:</b><br>715-835-6066                                                              | Name: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____                                                                                                    |
| <b>Mail:</b><br>HalfMoon Education Inc.,<br>PO Box 278, Altoona, WI<br>54720-0278        | Name: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____                                                                                                    |
| <b>Complete the entire form.</b> 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: \_\_\_\_\_  
Cardholder Name: \_\_\_\_\_  
Billing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Email: \_\_\_\_\_