Conference Program
2012

August 19-23, 2012
Sheraton Downtown
Denver, Colorado

• The nation's largest exhibition of stormwater products and services

• Led by the industry's leading consultants, municipal professionals, and researchers

• Expanded certification and pre-conference courses

Register at www.StormCon.com or see the registration form on last page.
Welcome!

Welcome to StormCon’s 11th annual conference and exposition.

Denver here we come! We look forward to bringing the country’s leading educational program for stormwater professionals to the centennial state this year, delivering to you quality educational opportunities, a show floor displaying the leading technologies in the field, and a perfectly balanced conference experience.

Our educational content continues to be the most timely, cutting edge, and comprehensive offered anywhere in the country and will be presented by a diverse range of industry professionals and academics who are directly involved in the areas of stormwater management, BMPs, green infrastructure, rainwater harvesting, watershed management, research, and monitoring.

As times continue to be difficult for many of us, it really is a necessity to get face to face with the providers of the equipment, expertise, and services you require for your communities. No other conference in the world offers you this chance to directly interact with such a highly representative, influential group of professionals who are passionate like you about water-quality issues.

I encourage you to spend some time with this program and discover just how diverse our course offerings are. They certainly will address the issues and concerns that you have to tackle each day no matter where you are in the country, or world for that matter. Our networking opportunities outside of the curriculum are designed to allow you the time to network and meet colleagues who are facing similar challenges.

Take advantage of all StormCon has to offer. You will not be disappointed.

Join us in Denver!

Sincerely

Steve Di Giorgi
StormCon Director

To our 2012 sponsors: Thank you for your support!

For information on sponsorship opportunities, contact Steve Di Giorgi: 805-682-1300 x129 stevedgi@forester.net
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Attendee Profile
- Stormwater managers
- County and state government officials
- Municipal government representatives
- Consultants
- Distributors
- Erosion and sediment control professionals
- Industrial stormwater managers
- Green infrastructure representatives
- Engineers
- Contractors
- Federal agency representatives
- Project managers

Why Attend StormCon 2012?
Join more than 1,000 stormwater and environmental services professionals at the nation’s leading forum for surface-water quality. In addition to serving municipal and government professionals, StormCon offers sessions on sediment and erosion control practices for contractors, and techniques for special sites, such as airports and ports. The conference also offers nontechnical stormwater sessions that will benefit those completely new to the industry, as well as advanced sessions for seasoned professionals.

The opportunity to attend the most complete stormwater curriculum in the industry is unparalleled and presented by leading practitioners, academics, consultants, and others from throughout the country. Learn and discover the most current techniques and practices for meeting your stormwater compliance challenges from people with practical, hands-on experience.
# Conference Schedule

## At-a-Glance

### Sunday, August 19, 2012

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### Pre-Conference Certification Courses

- **8:30a – 4:30p**
  - Certified Professional in Erosion and Sediment Control (CPESC®) **Review Course**
  - Certified Erosion, Sediment, and Stormwater Inspector (CESSWI™) **Review Course**
  - Certified Municipal Separate Storm Sewer System Specialist (CMS4S™) **Review Course**

- **8:00a – 5:00p**
  - Certified Inspector of Sediment and Erosion Control (CISEC®) **Training Modules**

- **8:30a – 5:30p**
  - Certified Professional in Storm Water Quality (CPSWQ®) **Review Course**

- **5:00p – 8:00p**
  - EXHIBIT HALL SETUP

### Monday, August 20, 2012

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### Pre-Conference Certification Courses and Exams

- **8:30a – 1:30p**
  - Certified Professional in Storm Water Quality (CPSWQ®) **Exam**
  - Certified Professional in Erosion and Sediment Control (CPESC®) **Exam**
  - Certified Erosion, Sediment, and Storm Water Inspector (CESSWI™) **Exam**
  - Certified Municipal Separate Storm Sewer System Specialist (CMS4S™) **Exam**

- **8:00a – 5:00p**
  - Certified Inspector of Sediment and Erosion Control (CISEC®) **Training Modules/Exam**

### Pre-Conference Courses

- **8:00a – 4:00p**
  - Stormwater Pollution Modeling for LID, TMDL, and Retrofitting Analyses—An Overview of WINSLAMM
  - Designer and Review Series Part II: Technical Assessment of Construction Site BMPs
  - NEW **BMP Selection to Improve Your Watershed**
  - NEW “What Gets Measured Gets Managed.” How Are You Measuring Environmental Compliance?

- **4:00p – 7:00p**
  - EXHIBIT HALLS OPEN

- **4:00p – 7:00p**
  - CYBER CAFÉS OPEN

- **4:00p – 7:00p**
  - EXHIBIT HALL RECEPTION

### Tuesday, August 21, 2012

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### Opening General Session Panel Discussion

- **9:45a – 11:00a**
  - How Your Stormwater Program May Be Impacted by New Regulations

- **9:00a – 12:15p • 1:15p – 5:30p**
  - CYBER CAFÉS OPEN

- **9:00a – 12:15p • 1:15p – 5:30p**
  - EXHIBIT HALLS OPEN
### Tuesday, August 21, 2012 continued

#### Course Schedule

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<td>3:30p – 5:00p</td>
<td>12:15p – 1:15p</td>
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<td>2:45p – 3:30p</td>
<td>LUNCHEON</td>
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<td>5:30p – 8:00p</td>
<td>AFTERNOON REFRESHMENT BREAK</td>
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### Wednesday, August 22, 2012

#### Course Schedule

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<td>8:00a – 9:30a</td>
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<td>3:00p – 4:30p</td>
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<td>AFTERNOON REFRESHMENT BREAK</td>
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<td>5:00p – 8:00p</td>
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### Thursday, August 23, 2012

#### Conference Course Schedule

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<td>8:00a – 9:00a</td>
<td>9:30a – 11:00a</td>
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**Stormwater management is such a fast-changing discipline—you need a StormCon, to keep up with the latest stormwater program management innovations, BMPs performance case studies, research, technology, and services.**
**Networking Functions**

**MONDAY, AUGUST 20 • 4:00 p.m. – 7:00 p.m.**

**EXHIBIT HALL RECEPTION**

**EXHIBIT HALL AREA**

Join us for the opening of the StormCon exhibit hall for complimentary food and drink, and to kick off the conference with a bang at 4:00 p.m. It’s a great way to meet colleagues, network, and visit with vendors who will be offering all of the services and technologies that you need for your community’s stormwater plan. A terrific time will be had by all.

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**TUESDAY, AUGUST 21 • 9:45 – 11:00 a.m.**

**OPENING GENERAL SESSION PANEL DISCUSSION**

**PLAZA BALLROOM**

**How Your Stormwater Program May be Impacted by New Regulations**

The EPA has issued numerous updates on stormwater regulations in the past year. Our panel will be ready to address and discuss updates including the proposed major revision to the stormwater regulation for MS4’s in the works in Washington, D.C. Not only has EPA headquarters issued new rules and interpretations, EPA regions and delegated states have also done so.

The panel will be an open forum for bringing together information on the new regulatory information from all perspectives, national to local, and MS4 to Industrial. The sediment rule for new construction, proposed regulations for state highway systems and industry, the interpretation of TMDL’s, inspections and enforcement actions, will all be discussed.

**Panelists**

**Greg Davis, regional stormwater program coordinator, EPA Region 8**

Greg is the regional stormwater program coordinator for EPA Region 8. He permits municipal, industrial, and construction stormwater discharges where EPA has jurisdiction as well as provides state oversight of stormwater programs. Greg holds a master’s degree in environmental science from the University of Colorado at Denver and a bachelor’s degree in biology from the University of Wisconsin-LaCrosse. Greg sees his role as one of both a regulator and a mediator. As a regulator, his role is to help develop national regulations and ensure that state stormwater programs meet regulatory requirements. As a mediator, his role is to determine how water quality programs can be tailored regionally, how problems can be addressed at the source and at the lowest level possible, and how state, local, and regional resources can be leveraged to address water quality resources in the most cost-effective and logical manner.

**Jon Sorensen, manager, stormwater utility services group, AMEC, Denver, Colorado**

Jon manages the stormwater utility services group at AMEC in Denver, Colorado. He has over 30 years of experience in the stormwater field and his areas of technical expertise include stormwater utilities, funding and organization, stormwater program cost of service, and stormwater NPDES programs. Jon has been active in the stormwater NPDES permitting field since it began and has helped many Phase 1 and Phase 2 MS4’s with their permitting projects. He has also lead the development and analysis of stormwater funding projects in communities as small as 12,000 and as large as 500,000, including multi-jurisdictional projects.
John Burke, P.E., CFM, chairman of the Colorado Stormwater Council and senior engineer, City of Westminster, Colorado

John Burke is the chairman of the Colorado Stormwater Council, a non-profit organization that represents a majority of the permitted MS4s in the State of Colorado. John holds a B.S. in civil engineering from Colorado State University and is a licensed professional engineer and a certified floodplain manager. He is a senior engineer for the City of Westminster and has designed and managed a variety of public and private transportation, drainage and utility projects over his 16-year career.

Rik Gay, deputy hydrologic resources program manager, Colorado DOT

As the deputy hydrologic resources program manager for the Colorado DOT, Rik has provided technical support and compliance assistance to the six CDOT regions for the last 4 years. Rik has also been directly involved with Phase I and Phase II stormwater management regulations for the last 8 years. Prior to this, he was an environmental consultant for 17 years involved in watershed assessment & planning often serving as intermediary between the regulated and the regulators. Rik completed undergraduate studies at the University of Michigan and environmental resources/water quality at the University of Wyoming.

L. Scott Tucker, retired executive director, UDFCD, Denver, Colorado

Scott Tucker was the executive director of the urban drainage and flood control district in Denver for many years and a tireless supporter of the rights of local governments to have a say in how they managed stormwater. Scott was a founding member of the National Association of Flood and Stormwater Management Agencies and is an active participant in many of their initiatives. Scott also speaks extensively at many local and national conferences on a variety of stormwater issues.

Glenn R. Rink, founder, president, CEO, AbTech Industries Inc.

For over a decade, Glenn R. Rink has led AbTech Industries in its commitment to green tech innovation, pioneering cutting-edge clean water solutions to meet community and industry needs. Glenn has overseen AbTech’s growth from a startup R&D venture to an over 20-million-dollar-invested environmental company by engineering the patented Smart Sponge® technology—the unique polymer technology chemically selective to hydrocarbons—into innovative applications to target the multiple avenues of water contamination including stormwater runoff, the leading cause of water pollution. Rink also serves as the chairman of the Board of Trustees for Waterkeeper Alliance, the largest and fastest-growing environmental group in the US.

TUESDAY, AUGUST 21 • 9:45 p.m. – 11:00 a.m.

OPENING GENERAL SESSION COFFEE SERVICE
PLAZA BALLROOM

HOSTED BY

The Colorado Stormwater Council (CSC) was established as a non-profit 501(c) (3) organization in the fall of 2006, and was created specifically for municipal separate storm sewer system (MS4) permit holders (National Pollutant Discharge Elimination System) throughout the state of Colorado. The CSC acts as a forum for permit holders to:

• Exchange technical information regarding stormwater regulations and compliance with permits
• Have representation at regulatory hearings or other meetings as necessary or desired
• Acquire and develop educational outreach materials, and
• Aid in the development and implementation of stormwater programs at local and regional levels.

The CSC works with federal and state regulatory oversight authorities to clarify requirements, suggest alternatives, and to develop and comment on proposed regulation and policy. The Council supports its members in technical, regulatory, and professional development of their stormwater programs and provides basic consistency needed to ensure compliance with complex and sometimes vague permit implementation requirements.
CYBER CAFÉS • EXHIBIT HALLS

Monday, August 20
4:00 p.m. – 7:00 p.m.

Tuesday, August 21
9:00 a.m. – 12:15 p.m.
1:15 p.m. – 5:30 p.m.

Wednesday, August 22
9:00 a.m. – 12:15 p.m.
1:15 p.m. – 4:30 p.m.

Stay in touch with your e-mail, news, and industry websites in our highly interactive StormCon Cyber Cafés. Conveniently located in both exhibit halls, the Cyber Cafés are the center of conference activity. Have some coffee, catch up with colleagues, and enjoy the comforts of our spacious cafés.

HOSTED BY

LUNCHEONS
PLAZA BALLROOM & LOBBY LEVEL

Tuesday, August 21 / Wednesday, August 22
12:15 p.m. – 1:15 p.m.

Join your peers at StormCon’s famous sit-down buffet networking lunches on Tuesday and Wednesday. The course sessions are closed during the luncheons so you can take full advantage of this conference highlight and networking opportunity.

TUESDAY LUNCHEON HOSTED BY

WEDNESDAY LUNCHEON HOSTED BY

AFTERNOON REFRESHMENT BREAKS
EXHIBIT HALLS

Tuesday, August 21
2:45 p.m. – 3:30 p.m.

Wednesday, August 22
3:15 p.m. – 3:45 p.m.

EXHIBIT HALLS

Join us Tuesday and Wednesday for a complimentary refreshment and power snack in both exhibit halls. Use this break from your courses to catch up with colleagues and explore the latest technologies and services available to address all of your surface and stormwater challenges.

TUESDAY AFTERNOON BREAK HOSTED BY

WEDNESDAY AFTERNOON BREAK HOSTED BY

GALA RECEPTION • PLAZA BALLROOM

Tuesday, August 21
5:30 p.m. – 8:00 p.m.

Enjoy a very pleasant evening of relaxed entertainment and terrific food! The night will include an inspired Colorado buffet, live music, passed hors d’oeuvres, carving stations, and much more. Complimentary non-alcoholic beverages and cash bars are also provided. Admission is complimentary with your conference badge.

Please join us for this favorite StormCon tradition!
Pre-Conference Courses

Low Impact Development: Introduction, Applications, and Technical Implementation

Monday, August 20 • 8:00 a.m. – 4:00 p.m.
0.5 Continuing Education Unit
Governor’s Square 12

Why Attend This Course?
Low-Impact Development (LID) is the general term typically used to characterize a comprehensive array of site planning, design, and pollution prevention strategies that, when combined, create a more economically sustainable and ecologically functional urban landscape. LID uses a decentralized approach to manage stormwater by integrating hydrologic and water-quality functions into all aspects of the urban landscape and infrastructure. LID’s decentralized management creates a multifunctional urban landscape that maintains and restores the ecological integrity of receiving waters while reducing construction, maintenance, and inspection costs. This workshop offers an in-depth introduction to the economic benefits, ecological goals, planning techniques, design principles, analytical methodologies, implementation strategies, and monitoring results of the innovative LID technology for urban stormwater management. Attendees will gain an in-depth technical understanding of how to apply integrated management practices to meet local watershed protection and water resources restoration protection goals and regulatory requirements.

This new technology involves multiple disciplines and has far-reaching impacts in urban stormwater management, land use planning, water resources protection, site planning/design, best management practices, building requirements, construction, and maintenance of stormwater infrastructure. LID will be of interest to regulators, developers, builders, and contractors; land use/development planners, civil/environmental engineers, and landscape architects; environmental professionals/consultants; and environmentalists and interested citizens.

Learning Objectives
• Provide a comprehensive overview of LID’s unique philosophy, principles, practices, and processes
• Discussion of a watershed’s ecological processes vital to protecting receiving waters and aquatic living resources
• Establishing ecologically based watershed management and site design goals and objectives
• Understanding the technical, practical, and economic limitations of LID and conventional BMPs
• Planning, design, construction, and maintenance guidelines for LID practices and their applications to residential, commercial, and industrial development
• Discussion of available analytical tools and models for LID
• The use of LID for urban retrofit to address TMDLs, CSO, source water protection, and restoring urban waters
• LID program implementation strategies for local governments
• How LID can meet NPDES permit requirements
• Roadblocks to implementation
• Overview of monitoring results
• How LID fits within the context of overall watershed planning and regional water quality systems
• Demonstrate and discuss LID’s applications to California’s unique and diverse geology, hydrology, and ecosystems

Course Outline
8:00 a.m. – 8:30 a.m. 
Welcome / Introductions / Purpose of Workshop
8:30 a.m. – 9:45 a.m. 
LID Overview, Basic Philosophy, Principles, Practices & Processes
9:45 a.m. – 10:00 a.m. 
Break
10:00 a.m. – 10:45 a.m. 
Site Planning Techniques
10:45 a.m. – 11:30 a.m. 
Design Guidance for Bioretention and Other Practices
11:30 a.m. – 2:30 p.m. 
Lunch
12:30 p.m. – 1:00 p.m. 
Hydrology and Hydraulics Analytical Basic Principles
1:00 p.m. – 2:00 p.m. 
Developer Perspectives, Costs and Benefits
2:00 p.m. – 2:15 p.m. 
Break
2:15 p.m. – 3:15 p.m. 
LID Case Studies (New Development & Retrofit)
3:15 p.m. – 4:00 p.m. 
Facilitated Discussion (Regulatory Issues and Adapting LID to Local Goals)
4:00 p.m. 
Adjourn

Workshop Training Approach
The workshop will be taught through interactive lectures, handouts, and case studies. The class is being conducted under sponsorship of the Low Impact Development Center Inc., a national nonprofit organization working with local, state, and federal agencies; and watershed groups on the research, development, and implementation of LID technologies, projects, programs, modeling, and monitoring.

Course includes a workbook and CD with comprehensive design guidance.

Instructor
Larry S. Coffman, LNSB, LLLP, president, Stormwater Services Group

Larry S. Coffman, president of the Stormwater Services Group is the pioneer of Low-Impact Development (LID) technology and is considered one of the nation’s leading experts on urban stormwater management. He has over 30 years of experience in local government dealing in all aspects of stormwater management and receiving waters protection.

See updates at www.StormCon.com
Stormwater Pollution Modeling for LID, TMDL, and Retrofitting Analyses—An Overview of WinSLAMM

Monday, August 20 • 8:00 a.m. – 4:00 p.m.
0.5 Continuing Education Unit
GOVERNOR’S SQUARE 15

This course requires all attendees to have a laptop computer with them for use during the course. If you plan on attending with someone from your organization, you may also share a computer.

Attendees with their own laptop may use a temporary license of the model during the course. WinSLAMM can be run on a PC with Windows XP, Vista, or Windows 7, and will need a CD drive and/or a USB port to load the program. You will need administrative privileges for the computer if the program is not pre-loaded.

Why Attend This Course?
This hands-on computer-based course will demonstrate how to use WinSLAMM to utilize source area stormwater controls to maintain or create a hydrologically functional landscape that mimics natural watersheds’ hydrologic functions (volume, frequency, recharge, and discharge). By integrating source area controls into site design, you can approach the pre-development site’s ability to retain water and pollutants.

You Will Learn To
- Quantify pollutant sources in complex urban watersheds
- Predict the performance and impact of many interacting development and control options
- Calculate pollutant loads and runoff volumes from various structural and non-structural management scenarios
- Estimate and compare the costs of stormwater control practices

About WinSLAMM
WinSLAMM is a Windows-based, continuous simulation computer program, that helps water resources professionals make effective decisions by modeling the stormwater impacts of new or existing developments and evaluating the benefits of various control measures. The WinSLAMM model has been used for over 15 years to calculate urban stormwater runoff volume, pollution loads, and assess a wide range of management measures. The model enables accurate planning-level and design-level analyses. Wisconsin’s Department of Natural Resources has adopted the model for regulatory compliance purposes. The WinSLAMM batch processor provides data for decision makers to select the most cost-effective alternative stormwater control practices. WinSLAMM is typically used in continuous simulations of at least one year of local rain events to examine these issues over a wide range of actual site conditions.

The Course Will Cover
- Modeling terminology and preparing to model WinSLAMM theory and practice
- WinSLAMM model features and navigation
- Base file setup
- Grass swale and filter strip modeling/design
- Biofilter modeling/design
- Analyzing an example LID subdivision development for stormwater volume and TSS loads

PRESENTED BY

Instructors

Robert Pitt, PhD, PE, BCEE, D.WRE, cudworth professor of urban water systems at the department of civil, construction, and environmental engineering, University of Alabama

Robert Pitt is a nationally recognized authority on the modeling, detection, and control of contaminants in urban drainage systems. He has been recognized for his work on the development of new analytical methods for the rapid and sensitive detection of toxicants. He is the author of more than 100 books, journal articles, and reports, and recipient of numerous honors and awards from various national engineering and environmental organizations.

John Voorhees, PE, PH, senior water resource engineer, AECOM

John Voorhees is codeveloper of WinSLAMM (Source Loading and Management Model). This model is widely used as a tool for evaluating stormwater pollution and BMP effectiveness in urban areas, and is also recognized by the Wisconsin DNR as a model of choice for compliance with the state stormwater regulatory program. He has 21 years of experience on many aspects of stormwater management in
both the public and private sectors, with extensive experience working on innovative BMP design, regulatory compliance, and evaluation of BMP effectiveness.

**James Bachhuber**, PH, national stormwater practice leader, AECOM

James Bachhuber is a nationally respected hydrologist with extensive experience in urban stormwater management planning, pollution modeling, stormwater permitting, ordinance development, and the analysis of urban stormwater BMPs. At the Wisconsin DNR, he helped develop applications for rural and urban nonpoint source pollution load models. As a consulting engineer, he manages water resource projects dealing with urban stormwater runoff, environmental impacts, and TMDLs.

**Caroline Burger**, PE, water resource engineer, AECOM

Caroline Burger has 10 years of experience in stormwater management planning, pollution modeling and monitoring, hydrologic and hydraulic modeling, stormwater permitting, ordinance development, and analysis of BMPs. She has extensive experience using WinSLAMM and has been a key part of the team involved with the calibration and development of the WinSLAMM model itself.

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**Designer and Review Series Part II: Technical Assessment of Construction Site BMPs**

*Monday, August 20 • 8:00 a.m. – 4:00 p.m.*  
0.5 Continuing Education Unit  
GOVERNOR’S SQUARE 11  
Skill Level: Advanced

**Why Attend This Course?**

This one-day, advanced level course is for those responsible and accountable for developing and/or reviewing effective sediment and erosion control plans. Participants must have a good knowledge of mathematics, science, and engineering as well as an excellent understanding of sediment and erosion control practices. This course will demonstrate how applying science and engineering principles can increase the effectiveness, and identify limitations, of BMPs. It will also provide accountability and technical tools for designers and reviewers for use in the development of effective sediment and erosion control plans. It is critical that participants be able to operate a calculator and solve mathematical equations.

**Course Outline**

**MODULE 1**  
*Hydrologic Assessments*  
- Volume of runoff  
- Peak flood flows  
- Hydrographs and sedigraphs

*Erosion Rate Models*  
- USLE  
- RUSLE  
- MUSLE  
- Assessing quantities of sediment in runoff  
- Limitations

*Effectiveness of Barriers*  
- Sheet flow and concentrated flow conditions  
- Hillside, inlet, and area drain measures  
- Check structures  
- Limitations

**MODULE 2**  
*Sediment Containment Systems (e.g., sediment basins)*  
- Retention Detention  
- Flow-through  
- Limitations  

*Designing Effective SCSs*  
- Design parameters  
- Capturing design size particles  
- Reducing turbidity  
- Limitations

**MODULE 3**  
*Performance Goals Equation*  
- Historic discharge of sediment  
- Macro versus micro conditions  
- Incorporating results from the RUSLE model  
- Limitations

*Effectiveness Equation*  
- Designing to meet performance goals  
- Incorporating results from the RUSLE model  
- Limitations

*Designing Effective S&EC plans*  
- Assessing existing and future runoff conditions  
- Calculating performance goals to contributing watersheds  
- Designing on a macro scale using the effectiveness equation  
- Developing plans for the contractor to implement  
- Compiling notes for the contractor
**NEW BMP Selection to Improve Your Watershed**

**Monday, August 20 • 8:00 a.m. – 4:00 p.m.**

0.5 Continuing Education Unit

**GOVERNOR’S SQUARE 14**

**Why Attend This Course?**

Selecting the right Best Management Practices (BMPs) is crucial for protecting and improving watersheds, but understanding the array of choices and the conditions in which different BMPs are most effective can seem overwhelming. This comprehensive workshop guides program managers and engineers through the criteria necessary for selection of the most effective BMPs for a project.

It begins with a discussion types of pollutants and their sources, moving into an overview of pollutant removal unit processes, followed by a discussion on regulations for impaired waters, NPDES, TMDLs, and Numeric Nutrient Criteria. The next part of the course addresses the difference between new development BMP design and retrofitting existing development for TMDL compliance.

A detailed description of 33 BMPs is given—from ponds, alum injection systems, and constructed wetlands, to various types of media filters, inlet devices, sand filters, hydrodynamic devices, and more. Low Impact Development rainwater harvesting methods and applications will be demonstrated. A section on selection criteria gives participants a list of factors for making the best choices, including not only pollutant removal effectiveness, but also types of pollutants, available space, groundwater level, soil type, and maintenance costs.

The workshop also includes discussions of first flush, monitoring of BMPs, and BMP Removal Efficiency databases. Several computer models and case studies of pollutant loading calculations for TMDL compliance and pollutant removal calculations for BMPs and treatment trains are demonstrated. An in-depth look at BMP inspections and maintenance will also be given along with a method to track sediment removals from street sweeping and maintenance activities to achieve reductions in TMDL allocations.

**Instructors**

**Gordon England, PE, D.WRE and president of Stormwater Solutions, Inc.**

Gordon has over 30 years of experience in stormwater management, in both the public and private sectors. His expertise includes stormwater masterplans, modeling, stormwater utility creation and management, and BMP research. His 10 years as lead engineer with the Brevard County (FL) Stormwater Utility and tenure as senior engineer for the Bahamian Ministry of Works gives him a thorough understanding of municipal operations and perspectives. He is a recognized leader in the selection and design of innovative stormwater BMPs. He serves as an Editorial Advisor to Stormwater magazine and sits on several Task Committees for the Environmental Water Resources Institute.
Stuart Stein, PE, DWRE and president of GKY and Associates

Stuart has 26 years of experience in stormwater management and water resources engineering, including watershed management plans, stormwater and drainage studies, BMP design and analysis, TMDLs, and flood studies. He has coauthored several publications, including the Federal Highway Administration’s popular Evaluation and Management of Highway Runoff Water Quality, and its Urban Drainage Design Manual, Hydraulic Engineering Circular No. 22. He assisted the EPA’s Office of Policy in evaluating the impacts of land development alternatives (e.g., traditional sprawl, smart growth) on water quality. Mr. Stein serves on the faculty of Virginia Tech’s civil engineering department, where he teaches urban hydrology and environmental systems modeling. Stuart was chair of the ASCE’s National Urban Water Infrastructure Management Committee and chair of the ASCE TMDL Evaluation Task Committee.

NEW “What Gets Measured Gets Managed.”
How Are You Measuring Environmental Compliance?

Monday, August 20 • 8:00 a.m. – 4:00 p.m.
0.5 Continuing Education Unit
Governor’s Square 16

Why Attend This Course?

This fresh approach to stormwater compliance for construction sites will focus on strategies that are not necessarily highly technical, rather they demand high levels of common sense. If you, or your construction site exposes more than an acre of disturbed soil you already understand the confusing, comprehensive regulations surrounding stormwater compliance.

What the industry or the regulatory professionals have not yet provided is a simple, plain approach to satisfying these regulations. What can one construction site do to manage the runoff and still remain profitable? This course will be the first step in demystifying the intense broad regulations that affect construction projects all throughout the United States. Further, this course will focus on determining with a risk assessment mindset what strategies are the most important in maintaining an environmentally compliant project.

In addition to on site examples, this course will look into the design issues that often set projects up for failure. The participant will learn important lessons and mistakes to avoid when correctly assessing a site for environmental compliance and determining what practices will best manage compliance. Finally, the participant will learn what to do when unforeseen circumstances occur. How to plan for extreme situations and what types of language to include for rapid response procedures.

Although not intended for academic purposes, this course will speak to strategies and processes of compliance. The course will focus on techniques, not specific practice installation or performance standards. In addition, the goal of this course is to share common misconceptions, techniques that expose sites to the highest level of risk, and the common sense strategies for compliance that many sites do not take full advantage of.

Finally, this course will provide the participant with specific techniques, for each phase of construction, that will aid the site manager in making sure their project is not fined. In addition to case history examples, interviews with project managers, and site environmental penalty examples this course provides real data to consider when making site management decisions.

The key concept remains; plain, construction focused language that will allow the participant to make informed decisions for environmental compliance.

Instructor

Jennifer Hildebrand, CPESC, CPSWQ, CESSWI, CISEC
environmental compliance manager, WSB and Associates Inc.

Jennifer has been involved in the erosion and sediment industry for over 18 years. She has a master’s degree in business administration from Augsburg College, and specializes in compliance strategies within the stormwater market.

Currently with WSB and Associates, Jennifer’s experience and industry involvement allow WSB to deliver excellence in environmental compliance to their clients. Her specialties include stormwater compliance issues, training and awareness programs, site inspection programs, compliance program design, and site plan reviews. She has developed and delivered education and compliance programs in both the construction and post construction stormwater market. Her involvement in the construction industry has provided her with valuable experience in a wide variety of stormwater compliance products and services. As a result, Jennifer has developed a selection of technologies that involve several methods of hydraulic application techniques and biotechnical stabilization practices throughout the United States and Canada.

Jennifer’s presentations and classes have been conducted in many states throughout the United States and Canada. She has also spoken and presented materials at multiple government agencies and Departments of Transportation.
Certified Professional in Storm Water Quality (CPSWQ®)

**Pre-Conference Certification Courses**

**Certified Professional in Storm Water Quality (CPSWQ®)**

**Review Course:**
**Sunday, August 19 • 8:30 a.m. – 5:30 p.m.**

**Certification Exam:**
**Monday, August 20 • 8:30 a.m. – 1:30 p.m.**

**What is CPSWQ?**
The Certified Professional in Storm Water Quality is a designation that provides evidence of qualifications in stormwater management principles and methods. CPSWQ certification is available to those who have the educational training, as well as the demonstrated expertise and experience in computing, analyzing, and evaluating stormwater quality.

**CPSWQ Certification Benefits You by:**
- Enhancing your professional credibility
- Promoting public awareness of the stormwater profession
- Allowing you greater influence on policy decisions affecting technical and professional issues
- Providing access to educational opportunities and sources of information
- Leveraging your career opportunities through professional contacts

Register for the full-day Certified Professional in Storm Water Quality (CPSWQ) Exam Review Session on Sunday, August 19, and apply to take the exam on Monday, August 20, or participate in the review session and take the exam at a later date. You may register to attend the review session only, without having to take the exam.

**Please note:** To take the CPSWQ certification exam, you must have received a letter of approval from CPSWQ Inc. See details under “How to Apply for the Exam.” Additional information and the required forms are available at www.cpswq.org.

**How to Get Certified**
Applicants must successfully pass a proctored one-day exam covering hydrology, environmental indicators, impacts of urbanization, and federal and state laws and regulations. A full-day exam review session is offered on Sunday, August 19, from 8:30 a.m. to 4:30 p.m. The exam is offered the following day, Monday, August 20, from 8:30 a.m. to 1:30 p.m. You must have prior approval from CPSWQ Inc. to take the exam on Monday, August 20. See details under “How to Apply for the Exam.”

**How to Register for the Exam Review Session**
Anyone is eligible to attend the full-day review session on Sunday, August 19. You must complete the StormCon registration form and mail or fax it to us, or register online to reserve your space. Your registration fee for the exam review session includes a review workbook with essential information for passing the CPSWQ exam. Whether you’re taking the exam or considering becoming certified in the future, this is a great opportunity to review the essentials of stormwater, hydrology, and urban runoff.

**How to Apply for the Exam**
To be eligible to sit for the CPSWQ exam on Monday, August 20, in Denver, CO, you must complete and submit the StormCon registration form to us by mail or fax, or register online at www.StormCon.com to reserve your space. You must also apply to the certifying organization, CPSWQ Inc., with your academic and work history and professional references.

For a CPSWQ exam application form and further information, please visit www.cpswq.org. You are not eligible to take the exam unless you have received a confirmation letter by mail from CPSWQ Inc. prior to the exam date.

**CPSWQ Exam Application Deadline**
The CPSWQ review committee needs 45 days to evaluate your information and confirm your eligibility to sit for the exam. Your materials must be received by CPSWQ Inc. no later than July 3, 2012, to allow for enough time.

**CPSWQ Contact Information**
Gina Burleson
CPSWQ Program Manager
Phone: 828-655-1600
Fax: 828-655-1622
E-mail: gina@envirocertintl.org
Website: www.cpswq.org
Mailing Address: 49 State Street, Marion, NC 28752-4020

**Who Sponsors the CPSWQ Certification?**
The Certified Professional in Storm Water Quality program has been certifying professionals for more than 11 years. In 1998, the CPESC Council developed a certification program for stormwater professionals who had already obtained CPESC certification. Now, with input from the federal EPA, this CPSWQ certification is available for stormwater professionals who do not necessarily have CPESC certification.

**Instructor**
Alan D. Black, PE, CPESC, CPSWQ, stormwater/water resources lead, HNTB Corporation

Alan holds a Bachelor's degree in civil engineering from the University of Houston and has been providing stormwater quality consulting services for more than 25 years. He is licensed to practice civil engineering in Washington, Oregon, and Texas. His forte is in stormwater flow control and water-quality techniques including pollutant load modeling and watershed approaches. Alan is a CPSWQ Council member and certified instructor.
Certified Professional in Erosion and Sediment Control (CPESC®)

Review Course:
SUNDAY, AUGUST 19 • 8:30 A.M. – 4:30 P.M.

Certification Exam:
MONDAY, AUGUST 20 • 8:30 A.M. – 1:30 P.M.

What is CPESC?
The Certified Professional in Erosion and Sediment Control is a designation that provides evidence of qualifications in erosion and sediment control principles and applications. CPESC certification is available to those who have the educational training, as well as the demonstrated expertise and experience in computing, analyzing, and evaluating erosion and sediment control principles and methods.

CPESC Certification Benefits You by:
• Enhancing your professional credibility
• Promoting public awareness of the erosion and sediment control profession
• Allowing you greater influence on policy decisions affecting technical and professional issues
• Providing access to educational opportunities and sources of information
• Leveraging your career opportunities through professional contacts

Register for the full-day Certified Professional in Erosion and Sediment Control Exam Review Session on Sunday, August 19, and apply to take the exam on Monday, August 20, or participate in the review session and take the exam at a later date. You may register to attend the review session only, without having to take the exam.

Please note: To take the CPESC certification exam you must have received a letter of approval from CPESC Inc. See details under “How to Apply for the Exam.” Additional information and the required forms are available at www.cpesc.org.

How to Get Certified
Applicants must successfully pass a proctored one-day exam covering hydrology, environmental indicators, impacts of urbanization, and federal and state laws and regulations. A full-day exam review session is offered on Sunday, August 19, from 8:30 a.m. to 4:30 p.m. The exam is offered the following day, Monday, August 20, from 8:30 a.m. to 1:30 p.m. You must have prior approval from CPESC Inc. to take the exam on Monday, August 20. See details under “How to Apply for the Exam.”

How to Register for the Exam Review Session
Anyone is eligible to attend the full-day review session on Sunday, August 19. You must complete the StormCon registration form and mail or fax it to us, or register online at www.StormCon.com to reserve your space. Your registration fee for the exam review session includes a review workbook with essential information for passing the CPESC exam. Whether you’re taking the exam or considering becoming certified in the future, this is a great opportunity to review the principles of erosion and sediment control, hydrology, and urban runoff.

How to Apply for the Exam
To be eligible to sit for the CPESC exam on Monday, August 20, in Denver, CO, you must complete and submit the StormCon registration form to us by mail or fax, or register online at www.StormCon.com to reserve your space. You must also apply to the certifying organization, CPESC Inc., with your academic and work history and professional references.

For a CPESC exam application form and further information, please visit www.cpesc.org. You are not eligible to take the exam unless you have received a confirmation letter by mail from CPESC Inc. prior to the exam date.

CPESC Exam Application Deadline
The CPESC Inc. review committee needs 45 days to evaluate your information and confirm your eligibility to sit for the exam. Your materials must be received by CPESC Inc. no later than July 3, 2012, to allow enough time.

CPESC Contact Information
Gina Burleson
CPESC Program Manager
Phone: 828-655-1600
Fax: 828-655-1622
E-mail: gina@envirocertintl.org
Website: www.cpesc.org
Mailing Address: 49 State Street, Marion, NC 28752-4020

Who Sponsors the CPESC Certification?
The Certified Professional in Erosion and Sediment Control program has been certifying professionals for more than 25 years. The CPESC is recognized by the Environmental Protection Agency and the USDA Natural Resources Conservation Service.

Instructor
Dan Ross, USDA, NRCS, retired

Dan Ross is a retired USDA NRCS employee with over 33 years of experience. Over 30 years was at the field office level, and the last 3 years, he was the state urban conservationist in Ohio. He has also taught 19 years part time at Kent State University in the departments of geography and biology. His major interests at the university have been in urban conservation, forestry, wildlife development, sediment transport, and golf course design.

Since retirement, Dan is still teaching, but also has started a natural resource education consulting firm where he conducts educational workshops for clients.
Certified Erosion, Sediment, and Storm Water Inspector (CESSWI™)

Review Course:
Sunday, August 19 • 8:30 A.M. – 4:30 P.M.

Certification Exam:
Monday, August 20 • 8:30 A.M. – 1:30 P.M.

What Is CESSWI?
The Certified Erosion, Sediment, and Storm Water Inspector is a designation that provides evidence of qualifications in the inspection of erosion, sediment, and stormwater BMPs on sites under NPDES Phase II jurisdiction. CESSWI certification is available to those who have the educational training, as well as the demonstrated expertise and experience in site inspections related to stormwater and erosion and sediment control.

CESSWI Certification Benefits You by:
• Demonstrating proficiency in the erosion, sediment, and stormwater inspection field
• Enhancing your technical and professional credibility
• Satisfying the qualified-person requirement in some local and state programs
• Increasing personal value, recognition, and marketability
• Encouraging greater commitment and personal career growth

Register for the full-day Certified Erosion, Sediment, and Storm Water Inspector (CESSWI) Exam Review Session on Sunday, August 19, and apply to take the exam on Monday, August 20, or participate in the review session and take the exam at a later date. You may register to attend the review session only, without having to take the exam.

Please note: To take the CESSWI certification exam, you must have received a letter of approval from CESSWI Inc. See details under “How to Apply for the Exam.” Additional information and the required forms are available at www.cesswi.org.

How to Get Certified
Applicants must successfully pass a proctored one-day exam covering safety, communication, documentation ethics, plan management, inspector duties, BMPs, and federal and state laws and regulations. A full-day exam review session is offered on Sunday, August 19, from 8:30 a.m. to 4:30 p.m. The exam is offered the following day, Monday, August 20, from 8:30 a.m. to 1:30 p.m. You must have prior approval from CESSWI Inc. to take the exam on Monday, August 20. See details under “How to Apply for the Exam.”

How to Register for the Exam Review Session
Anyone is eligible to attend the full-day review session on Sunday, August 19. You must complete the StormCon registration form and mail or fax it to us, or register online at www.StormCon.com to reserve your space. Your registration fee for the exam review session includes a review workbook with essential information for passing the CESSWI exam. Whether you’re taking the exam or considering becoming certified in the future, this is a great opportunity to review the essentials of stormwater, hydrology, and urban runoff.

How to Apply for the Exam
To be eligible to sit for the CESSWI exam on Monday, August 20, in Denver, CO, you must complete and submit the StormCon registration form to us by mail or fax, or register online at www.StormCon.com to reserve your space. You must also apply to the certifying organization, CESSWI Inc., with your academic and work history and professional references.

For a CESSWI exam application form and further information, please visit www.cesswi.org. You are not eligible to take the exam unless you have received a confirmation letter by mail from CESSWI Inc. prior to the exam date.

CESSWI Exam Application Deadline
The CESSWI review committee needs 30 days to evaluate your information and confirm your eligibility to sit for the exam. Your materials must be received by CESSWI Inc. no later than July 3, 2012 to allow for enough time.

CESSWI Contact Information
Glenda Carmney
CESSWI Program Manager
Phone: 828-655-1600
Fax: 828-655-1622
E-mail: glenda@envirocertintl.org
Website: www.cesswi.org
Mailing Address: 49 State Street, Marion, NC 28752-4020

Who Sponsors the CESSWI Certification?
The Certified Erosion, Sediment, and Storm Water Inspector program has been certifying professionals for more than two years. In 2007, the EnviroCert International Inc. Board of Directors developed the CESSWI Program with the assistance of a large group of individuals including those with a background in engineering, regulatory experience, local governments, US EPA, and the Canada Department of Oceans and Fisheries.

Instructor
Susan Clarke, board member, EnviroCert Intl., council chair, CESSWI Pacific Northwest region

Susan has over 35 years of experience in stormwater. She retired from King County, a Phase I municipal permittee in the state of Washington, two years ago as the supervising engineer for the stormwater management and compliance section. She was part of the team that authored the King County Stormwater Management Design Manual, the Erosion and Sediment Control Rules, and the Stormwater Pollution Prevention and Source Control Manuals for King County.

Susan currently volunteers for EnviroCert International and is the current CESSWI council past chair. She is an approved instructor for CESSWI and the regional representative for CESSWI in the Pacific Northwest. She is also the area representative for the CPESC program. She served on the oversight committee which developed the CMS4S certification program for EnviroCert International.
Certified Inspector of Sediment and Erosion Control (CISEC®)

**Training Modules:**
- **Sunday, August 19** • 8:00 a.m. – 5:00 p.m.
- **Monday, August 20** • 8:00 a.m. – 11:00 a.m.

**Certification Exam:**
- **Monday, August 20** • 1:00 p.m. – 5:00 p.m.

Register for the one and one-half day Certified Inspector of Sediment and Erosion Control (CISEC) training modules on Sunday and Monday, August 19 and 20, and apply through CISEC Inc. (at www.cisecinc.org) to determine whether you are eligible to take the examination on Monday, August 20. You may register to attend the training modules only without having to take the examination. Also, there is no requirement to take the training modules before sitting for the certifying examination.

**Please note:** To take the CISEC certification examination you must have received a letter of approval from the CISEC Inc. See details under “How to Apply for the Examination.” Additional information and the required forms are available at www.cisecinc.org.

**What is CISEC?**

If you are an experienced construction site inspector, you can take the next professional step by becoming a CISEC to show your distinction and professionalism in the field.

**Any individual registered as a CISEC must be ready to demonstrate**

- Comprehensive knowledge in the principles and practices of sediment and erosion control and their applicability to development of discharge permit documents
- The necessary skills to observe onsite and offsite conditions that impact the quality of stormwater discharges from active construction sites
- The ability to inspect installed best management practices and their ongoing maintenance to determine if the mitigation measures will minimize the discharge of sediment and other pollutants from active construction sites
- The ability to communicate and report on their inspection of active construction sites as to whether compliance issues may exist with federal, state, and/or local discharge permit regulations

**How to Get Certified**

A CISEC is one who has demonstrated his or her proficiency in observing, inspecting, and reporting on the implementation of stormwater pollution prevention plans by passing the 3.5–4.0-hour certification examination by a score of 75% or better.

**Minimum Qualifications**

An applicant becoming a CISEC must demonstrate the following background and expertise:

- A complete understanding about sediment and erosion processes and how the discharge of pollutants associated with construction activities may impact the environment
- The ability to meet the EPA’s requirements for a qualified inspector and an understanding of federal regulations associated with the NPDES discharge permit
- Ability to read and understand construction site stormwater pollution prevention plans (SWPPPs) and able to fully comprehend accompanying sediment and erosion control drawings
- Construction site experience on inspecting the installation and maintenance of BMPs, identifying waste management problems, and addressing impacts by non-stormwater discharges
- The ability to communicate and write accurate inspection reports. Applicants are expected to have inspection skills in one or more of the following types of construction projects: large land development; linear (e.g., roadway, pipeline); vertical (e.g., town homes, single-family residence); big box (e.g., commercial buildings)

An applicant’s skills will be determined through testing and training provided by the CISEC program, which is designed for achieving proficiency in the process of inspecting and reporting on construction site sediment and erosion control practices.

**How to Register for the Training Modules**

Anyone is eligible to attend the training modules on Sunday and Monday, August 19 and 20, in Denver, CO. However, you must complete the StormCon registration form and mail or fax it to us, or register online at www.StormCon.com to reserve your space.

Your registration fee for the training modules includes a manual with essential information and material for inspectors. Whether you’re taking the examination or are considering becoming certified in the future, this is a great opportunity to review the principles of site inspection and erosion and sediment control.

**Please note:** CISEC Inc. will not process any StormCon registration fees for the training modules.

**How to Apply for the Examination**

To be eligible to sit for the CISEC examination on Monday, August 20, 2011, in Denver, CO, you must receive approval from CISEC Inc. This requires submittal of an application and paying the $150 (if you are registered for the training modules) or $350 (if you are not taking the training modules) processing fee to CISEC Inc. StormCon will not process any processing fees for the certification examination.

For a CISEC examination application form and fee information, please visit www.cisecinc.org. To download an application PDF form, visit www.cisecinc.org/id1.html, or the “Training and Exam Date tab as found on the website. You are not eligible to take the certification test unless you have received a confirmation letter from the CISEC Inc. prior to the examination date.
CISEC Examination Application Deadline
The CISEC review committee needs at least 30 days to evaluate your information and to determine your eligibility to sit for the examination. Your materials must be received by CISEC Inc. no later than July 19, 2012.

CISEC Contact Information
Phone: 720-235-2783
Fax: 303-841-6386
E-mail: cisec_inc@yahoo.com
Website: www.cisecinc.org
Mailing Address: P.O. Box 188, Parker, CO 80134

Who Sponsors CISEC Certification?
The Certified Inspector in Sediment and Erosion Control program was launched at StormCon in 2005 and is sponsored by CISEC Inc. and its registrants. Today, CISECs are demonstrating throughout the United States their inspection skills and expertise by fulfilling requirements set forth in the Construction General Permit as developed by the EPA.

The State of California Water Resources Control Board acknowledges that a CISEC is a “Qualified SWPPP Practitioner” able to conduct construction site sediment and erosion control inspections throughout the State of California. Numerous states, municipalities, developers, builders, and private contractors are emulating the State Water Board policy and recognizing that the CISEC program is setting the nationwide industry standard for certifying construction site sediment and erosion control inspectors.

Instructors

Brock Peters, CISEC, Point Source Environmental
Brock is an erosion and sediment control contractor/consultant with over 30 years of progressive experience in the construction industry. He is a certified inspector of sediment & erosion control (CISEC) and has taught training modules across the country for this Nationwide Certification program.

Brock currently is serving as a director with the Homebuilders Association of Lincoln and the Nebraska State Home Builders Association. He also serves on two environmental committees with the National Association of Home Builders, to assist in creating environmental policy changes on Capital Hill. He is a board member of the International Erosion Control Association (IECA) as well as a board member of the Great Rivers Chapter of IECA; and serves on their Government Relations Committee.

John T. Price, PE, CISEC, Hanes Geo Components
John joined Hanes Geo Components (HGC) in August 2011 as engineered products manager. His experience and knowledge provides additional depth to HGC’s ability to professionally distribute geosynthetics, erosion control products and stormwater quality systems.

In 1986, John founded Price and Company Inc. (PCI), a distribution company focused in providing materials and application technologies associated with geosynthetics, erosion control materials, and surface water quality systems to Michigan’s construction and related industries.

John earned a BS in civil engineering from the University of Idaho and an MS in civil engineering from Purdue University. He served on the industry advisory board to the civil-environmental department of Michigan Technological University. John has also served on the board of the International Erosion Control Association, including being its president.

Certified Municipal Separate Storm Sewer System Specialist (CMS4S™)

What is CMS4S?
The purpose of the CMS4S program is to certify individuals who are technically and ethically qualified to manage or coordinate nationally consistent EPA NPDES MS4 programs which are in compliance with applicable (local, state, provincial, and federal) laws and regulations. CMS4S certification is available to those who have the educational training, as well as the demonstrated expertise and experience in MS4 programs. The primary target audience for this certification is Phase II MS4 staff. However, others such as Phase I MS4 staff, contractors, regulators, etc. could also benefit by obtaining the certification.

Typical work related experience that someone seeking the certification may have includes

- MS4 Program Coordinators who typically serve as an overall program manager.
- Coordinators who manage all 6 minimum control measures (public education and outreach, public participation, illicit discharge detection and elimination, construction site runoff control, post-construction runoff control, and good housekeeping and pollution prevention).
- Coordinators must work well with various inter-agency departments since the MS4 permit affects many activities within a regulated MS4 area.
- Coordinators may control or assist with their overall program budget and funds.
- Coordinators who give input and are responsible for ordinance language, as well as implementing those ordinances for illicit discharge, construction runoff, and post-construction runoff control.
- Coordinators who manage database information pertaining to their NPDES MS4 permit.
- Coordinators who are responsible for compiling and submitting compliance reporting to their state permitting authorities.
CMS4S Certification Benefits You by
• Enhancing your professional credibility
• Promoting public awareness of the EPA NPDES MS4 program
• Allowing you greater influence on policy decisions affecting technical and professional issues
• Providing access to educational opportunities and sources of information
• Leveraging your career opportunities through professional contacts

Register for the full-day CMS4S Exam Review Session on Sunday, August 19, and apply to take the exam on Monday, August 20, or participate in the review session and take the exam at a later date. You may register to attend the review session only, without having to take the exam and obtaining pre-approval.

Please note: To take the CMS4S certification exam you must have received a letter of approval from CMS4S Inc. See details under “How to Apply for the Exam.” Additional information and the required forms are available at www.cms4s.org.

How to Get Certified
Applicants must successfully pass a proctored one-day exam covering the six minimum control measures, environmental indicators, overall MS4 program management, as well as federal and state laws and regulations. A full-day exam review session is offered on Sunday, August 19, from 8:30 a.m. to 4:30 p.m. The exam is offered the following day, Monday, August 20, from 8:30 a.m. to 1:30 p.m. You must have prior approval from CMS4S Inc. to take the exam on Monday, August 20. See details under “How to Apply for the Exam.”

How to Register for the Exam Review Session
Anyone is eligible to attend the full-day review session on Sunday, August 19. You must complete the StormCon registration form and mail or fax it to us, or register online at www.StormCon.com to reserve your space. Your registration fee for the exam review session includes a review workbook with essential information for passing the CMS4S exam. Whether you’re taking the exam or considering becoming certified in the future, this is a great opportunity to review the essential knowledge, skills, and abilities needed to manage a successful MS4 program.

How to Apply for the Exam
To be eligible to sit for the CMS4S exam on Monday, August 20, in Anaheim, CA, you must complete and submit the StormCon registration form and mail or fax it to us, or register online at www.StormCon.com to reserve your space. You must also apply to the certifying organization, CMS4S Inc., with your academic and work history and professional references.

For a CMS4S exam application form and further information, please visit www.CMS4S.org. You are not eligible to take the exam unless you have received a confirmation letter by mail from the CMS4S organization prior to the exam date.

CMS4S Exam Application Deadline
The CMS4S, Inc. review committee needs 45 days to evaluate your information and confirm your eligibility to sit for the exam. Your materials must be received by CMS4S Inc. no later than July 3, 2012, to allow enough time.

CMS4S Contact Information
Glenda Carmney
CMS4S Program Manager
Phone: 828-655-1600
Fax: 828-655-1622
E-mail: glenda@CMS4S.org
Website: www.CMS4S.org
Mailing Address: 49 State Street, Marion, NC 28752-4020

The Certified Municipal Separate Storm Sewer System Specialist Certification Program (CMS4S) was created by EnviroCert International Inc. in conjunction with an international oversight committee of MS4 operators and stormwater professionals.

Instructor
Keith Kennedy, CMS4S

Keith holds a masters in aquatic ecology and has worked in the stormwater field as an environmental planner for over 20 years. During that time, he coordinated a regional stormwater program which successfully partnered over 70 local governments in north central Texas. He has also helped develop EnviroCert International’s relatively new Certified Municipal Separate Storm Sewer System Specialist (CMS4S) certification program and served as its first technical vice chair for the past two years. He is currently chair of the CMS4S Council.

For additional information please go to www.cms4s.org.
Conference Course Schedule

TUESDAY, AUGUST 21
8:00 a.m. – 9:30 a.m.
BMP Case Studies ........................................ Governor’s Square 14
Green Infrastructure ........................................ Governor’s Square 16
Stormwater Program Management I ....................... Governor’s Square 15
Stormwater Program Management II ...................... Governor’s Square 12
Water-Quality Monitoring ................................ Governor’s Square 10
Advanced Research Topics ................................ Governor’s Square 11

2:00 p.m. – 3:00 p.m.
BMP Case Studies I .......................................... Governor’s Square 14
BMP Case Studies II ......................................... Governor’s Square 11
Green Infrastructure ........................................ Governor’s Square 16
Stormwater Program Management I ....................... Governor’s Square 15
Stormwater Program Management II ...................... Governor’s Square 12
Advanced Research Topics ................................ Governor’s Square 10

3:30 p.m. – 5:00 p.m.
BMP Case Studies I .......................................... Governor’s Square 14
BMP Case Studies II ......................................... Governor’s Square 11
Green Infrastructure I ...................................... Governor’s Square 16
Green Infrastructure II ..................................... Governor’s Square 10
Stormwater Program Management I ....................... Governor’s Square 15
Stormwater Program Management II ...................... Governor’s Square 12

WEDNESDAY, AUGUST 22
8:00 a.m. – 9:30 a.m.
BMP Case Studies ........................................ Governor’s Square 14
Green Infrastructure ........................................ Governor’s Square 16
Stormwater Program Management ......................... Governor’s Square 15
Water-Quality Monitoring ................................ Governor’s Square 10
Advanced Research Topics ................................ Governor’s Square 11

10:00 a.m. – 11:00 a.m.
BMP Case Studies ........................................ Governor’s Square 14
Green Infrastructure ........................................ Governor’s Square 16
Stormwater Program Management I ....................... Governor’s Square 12
Stormwater Program Management II ...................... Governor’s Square 15
Water-Quality Monitoring ................................ Governor’s Square 10
Advanced Research Topics ................................ Governor’s Square 11

3:00 p.m. – 4:30 p.m.
BMP Case Studies ........................................ Governor’s Square 14
Green Infrastructure ........................................ Governor’s Square 16
Stormwater Program Management I ....................... Governor’s Square 15
Stormwater Program Management II ...................... Governor’s Square 12
Water-Quality Monitoring ................................ Governor’s Square 10
Advanced Research Topics ................................ Governor’s Square 11

THURSDAY, AUGUST 23
8:00 a.m. – 9:00 a.m.
BMP Case Studies I .......................................... Governor’s Square 11
BMP Case Studies II ......................................... Governor’s Square 14
Green Infrastructure I ...................................... Governor’s Square 16
Green Infrastructure II ..................................... Governor’s Square 12
Stormwater Program Management ......................... Governor’s Square 15
Advanced Research Topics ................................ Governor’s Square 11

9:30 a.m. – 11:00 a.m.
BMP Case Studies ........................................ Governor’s Square 14
BMP Case Studies II ......................................... Governor’s Square 11
Green Infrastructure I ...................................... Governor’s Square 16
Green Infrastructure II ..................................... Governor’s Square 12
Stormwater Program Management ......................... Governor’s Square 15
Advanced Research Topics ................................ Governor’s Square 11

Program Tracks

BMP CASE STUDIES
Examples of structural and nonstructural best management practices to achieve water-quality goals

GREEN INFRASTRUCTURE
Low-impact development (LID) techniques as well as smart growth and other green infrastructure practices

STORMWATER PROGRAM MANAGEMENT
Funding, public education and outreach, staffing, regulatory compliance, and other elements of managing a successful program

WATER-QUALITY MONITORING
Water-quality assessment, monitoring and sampling techniques, and modeling practices

ADVANCED RESEARCH TOPICS
Comparing BMP performance, evaluating testing protocols, and trends in stormwater research
TUESDAY, AUGUST 21 • 8:00 – 9:30 a.m.

BMP CASE STUDIES Governor’s Square 14
B11 8:00 – 8:30 a.m.
Hydromodification Management Measures: What Are the New Requirements?
Anna Lantin, RBF Consulting, Irvine, CA
B12 8:30 – 9:00 a.m.
BMP Effectiveness for Bacteria: Updated Findings From the International Stormwater BMP Database
Jane Clary, Wright Water Engineers, Denver, CO
Eric Strecker, Geosyntec Consultants, Portland, OR
Jonathan Jones, Wright Water Engineers, Denver, CO
Marc Leisenring, Geosyntec Consultants, Portland, OR
B13 9:00 – 9:30 a.m.
The Pinch of Salt: Winter Maintenance Strategies Within the Long Creek Watershed
Tamara Lee Pinard, Long Creek Watershed Management District, Windham, ME
Kate McDonald, Cumberland County Soil and Water Conservation District, Windham, ME

GREEN INFRASTRUCTURE Governor’s Square 16
G11 8:00 – 8:30 a.m.
Green Infrastructure: The Bottom Line
Andy Reese, AMEC Earth and Environmental, Nashville, TN
G12 8:30 – 9:00 a.m.
Multiple Economic Benefits of Green Infrastructure: A Close Look at Four Priority Areas
Jeffrey Odefey, American Rivers, Tarrytown, NY
Seth Brown, Water Environment Federation, Alexandria, VA
Mark Buckley, ECONorthwest, Portland, OR
G13 9:00 – 9:30 a.m.
Integrated Management: Planning and Evaluation of Green and Gray Infrastructure
Avinash Patwardhan, CH2M Hill, Palm Beach Gardens, FL

STORMWATER PROGRAM MANAGEMENT I Governor’s Square 15
P11 8:00 – 8:30 a.m.
Managing Your Stormwater Program in a Struggling Economy
Robert Taylor, Hazen and Sawyer, Boca Raton, FL
P12 8:30 – 9:00 a.m.
Watershed Restoration: What It Is, What It Isn’t
Paul Crabtree, Crabtree Group Inc., Salida, CO
P13 9:00 – 9:30 a.m.
Stormwater Infrastructure From Nuisance to Asset: A Municipal Perspective on Transitioning From Stormwater Regulations to Watershed-Centric Alternatives
Matthew Stolte, Town of Blacksburg, VA
Lee Hixon, Town of Blacksburg, VA
Adele Schirmer, Town of Blacksburg, VA
Katherine Smith, Town of Blacksburg, VA

STORMWATER PROGRAM MANAGEMENT II Governor’s Square 12
P14 8:00 – 8:30 a.m.
A Cautionary Tale: Florida’s Federally Imposed Numeric Nutrient Criteria
Winston Borkowski, Hopping Green & Sams, Tallahassee, FL
P15 8:30 – 9:00 a.m.
Mapping Impervious: Why and How
Carrie McCrea, AMEC Earth and Infrastructure, Denver, CO
P16 9:00 – 9:30 a.m.
High-Resolution Storm Analysis for Improved Watershed Guidance: City of Westminster, CO
Nate Clements, HDR Engineering Inc., Denver, CO

WATER-QUALITY MONITORING Governor’s Square 10
Q11 8:00 – 8:30 a.m.
Bacterial Source Identification: Watershed Impacts on Coastal Water Quality
Steve Gruber, Weston Solutions Inc., Carlsbad, CA
Mary Vondrak, City of San Clemente, CA
Q12 8:30 – 9:00 a.m.
An Exploratory Evaluation of E. coli Surrogates to Predict BMP Effectiveness in Denver, CO
Jon Novick, City and County of Denver Department of Environmental Health, Denver, CO
Q13 9:00 – 9:30 a.m.
Managing Drinking Water Coliform Bacteria Concentrations After Heavy Storms in 2011
Charles Cutietta-Olson, New York City Depart. Environmental Protection, Valhalla, NY

ADVANCED RESEARCH TOPICS Governor’s Square 11
R11 8:00 – 8:30 a.m.
Pollutant Leaching From Filtration Media in Proprietary and LID BMPs
Ryan Janoch, Terraphase Engineering Inc., Oakland, CA
Bo Liu, Mid-Atlantic Stormwater Research Center, Mount Airy, MD
R12 8:30 – 9:00 a.m.
Media Filtration for Dissolved Metals Removal
Alan Black, HNTB Corporation, Bellevue, WA
R13 9:00 – 9:30 a.m.
Quantifying Gross Solids and Phosphorus Loads Captured by Stormwater BMP Pretreatment Devices
Bob Fossum, Capitol Region Watershed District, St. Paul, MN
Melissa Baker, Capitol Region Watershed District, St. Paul, MN

TUESDAY, AUGUST 21 • 9:45 – 11:00 a.m.

OPENING GENERAL SESSION PANEL DISCUSSION PLAZA BALLROOM
How Your Stormwater Program May be Impacted by New Regulations

HOSTED BY
Tuesday, August 21 • 2:00 – 3:00 p.m.

BMP CASE STUDIES I  Governor’s Square 14
B21  2:00 – 2:30 p.m.
Selecting the Most Cost-Effective BMPs for the Removal of Specific Nonpoint-Source Pollutants
Jeffrey Herr, Brown and Caldwell, Atlanta, GA

B22  2:30 – 3:00 p.m.
Retrofitting Volume Management in an Urban Setting: Long-Term Efficacy Monitoring and Cost Evaluation of Burnsville Rain Gardens
Greg Wilson, Barr Engineering Company, Minneapolis, MN

BMP CASE STUDIES II  Governor’s Square 11
B23  2:00 – 2:30 p.m.
Virginia DOT Stormwater Assessment, Restoration, and Maintenance
Mike Yost, Apex Companies LLC, Rockville, MD

B24  2:30 – 3:00 p.m.
Evaluation of Soil Amendments Under Roadside Swales for Stormwater Quality Improvement and Harvesting
Andrew Hood, University of Central Florida Stormwater Management Academy, Orlando, FL

GREEN INFRASTRUCTURE  Governor’s Square 16
G21  2:00 – 2:30 p.m.
Creating Amenities: Retrofitting Urban Regional Detention Facilities for Multi-Use Purposes
Kyle Hamilton, CH2M Hill, Englewood, CO
Richard Borchardt, Urban Drainage and Flood Control District, Denver, CO

G22  2:30 – 3:00 p.m.
Green Technology for an Auto Dismantling Site
Martin Spongberg, AMEC, Fresno, CA

Tuesday, August 21 • 3:30 – 5:00 p.m.

BMP CASE STUDIES I  Governor’s Square 14
B31  3:30 – 4:00 p.m.
Mass Balance Performance Measurement of Poppleton Creek Wet Detention Pond
Gordon England, Stormwater Solutions, Cocoa Beach, FL

B32  4:00 – 4:30 p.m.
How to Fit 10 Pounds of Filtration in a 5-Pound Sack: A Case Study of a Microfootprint, High-Performance Disc Filtration System
Daniel Scarpine, Aquarius Environmental LLC, Portland, OR

B33  4:30 – 5:00 p.m.
Water Quality? I Thought It Was a Cheese Grater
Kevin Daggett, Albuquerque Met. Arroyo Flood Control Authority, Albuquerque, NM
Jerry Lovato, Albuquerque Met. Arroyo Flood Control Authority, Albuquerque, NM

BMP CASE STUDIES II  Governor’s Square 11
B34  3:30 – 4:00 p.m.
Shops on Freedom Drive LID BMP Retrofit Project
Steve Jadlocki, City of Charlotte, NC

B35  4:00 – 4:30 p.m.
A Solution to Meeting Clean Water Standards
Tom Atkins, Windward Environmental, Seattle, WA

B36  4:30 – 5:00 p.m.
Añorga Quarry: Managing Industrial Stormwater With Proprietary BMPs
Andrew Gwinn, Hydro International, Portland, ME

GREEN INFRASTRUCTURE I  Governor’s Square 16
G31  3:30 – 4:00 p.m.
Stormwater Reuse: Even Lower Impact Development
Mike Gregory, AECOM, Kitchener, ON

G32  4:00 – 4:30 p.m.
Optimal Storage and Use Configuration for Stormwater Harvesting at a Site Level
Daniel Apt, RBF Consulting, Irvine, CA
Scott Taylor, RBF Consulting, Carlsbad, CA
Remi Candaele, RBF Consulting, Irvine, CA

G33  4:30 – 5:00 p.m.
A Study of Green Roof Hydrologic Performance in the Pacific Northwest
Bryan Berkompas, TEC Inc., Seattle, WA

STORMWATER PROGRAM MANAGEMENT I  Governor’s Square 15
P21  2:00 – 2:30 p.m.
Opportunistic Stormwater Education
Barb Huberty, City of Rochester, MN

P22  2:30 – 3:00 p.m.
PAHs and Stormwater Management
Randy Neprash, Stantec Consulting/Minnesota Cities Stormwater Coalition, Saint Paul, MN

STORMWATER PROGRAM MANAGEMENT II  Governor’s Square 12
P23  2:00 – 2:30 p.m.
A Cost-Efficient In-House Asset Management Approach, Part 1
Eric Edwards, Pierce County Public Works, Spanaway, WA
Bryan Chappell, Pierce County Public Works, Spanaway, WA

P24  2:30 – 3:00 p.m.
A Cost-Efficient In-House Asset Management Approach, Part 2
Bryan Chappell, Pierce County Public Works, Spanaway, WA
Eric Edwards, Pierce County Public Works, Spanaway, WA

ADVANCED RESEARCH TOPICS  Governor’s Square 10
R21  2:00 – 2:30 p.m.
Post-Installation Rain Garden Evaluations: In Situ Hydrology and Other Design Parameters
Tom Franti, University of Nebraska-Lincoln, Lincoln, NE

R22  2:30 – 3:00 p.m.
Post-Installation Rain Garden Evaluations: Plant Survivability, Homeowner Perceptions, and Educational Value
Steven Rodie, University of Nebraska-Lincoln, Omaha, NE
Marilyn Liebsch, University of Nebraska-Lincoln, Lincoln, NE
GREEN INFRASTRUCTURE II  Governor’s Square 10
G34  3:30 – 4:00 p.m.
Low-Impact Development: Planning Toward Future Implementation
Sincy Modayil, City of Edmonton, AB
Fayi Zhou, City of Edmonton, AB
Xiangfei Li, City of Edmonton, AB
Diane Wirtz, City of Edmonton, AB
G35  4:00 – 4:30 p.m.
Effectiveness of a Swale as a BMP
Farzana Ahmed, University of Minnesota, Minneapolis, MN
G36  4:30 – 5:00 p.m.
From Gray to Green: The Importance of Ecology in Urban Planning and Gray Infrastructure
Kim Chapman, Applied Ecological Services Inc., Prior Lake, MN

STORMWATER PROGRAM MANAGEMENT I
Governor’s Square 15
P31  3:30 – 4:00 p.m.
Is Urban Stormwater Ready for Pollutant Trading? Long Island Sound Pollutant Trading Initiative
Richard Haimann, HDR, Long Beach, CA
Shrivasan Rangarajan, HDR, Mahwah, NJ
P32  4:00 – 4:30 p.m.
Bank on It: Mitigation as a Foundation for Your Green Infrastructure Investment?
Ann Redmond, Brown and Caldwell, Baton Rouge, LA

STORMWATER PROGRAM MANAGEMENT II
Governor’s Square 12
P33  4:30 – 5:00 p.m.
Is Stormwater Really a Resource?
Seth Brown, Water Environment Federation, Alexandria, VA
Brian Van Wye, District of Columbia Department of the Environment, Washington, DC

WEDNESDAY, AUGUST 22 • 8:00 – 9:30 a.m.

BMP CASE STUDIES  Governor’s Square 14
B41  8:00 – 8:30 a.m.
Field Evaluation of Hydrodynamic Separation and Settling Clarification: Event-Based Removal Efficiency of Metals Transported by Urban Stormwater
Jong-Yeop Kim, Florida Gulf Coast University, Fort Myers, FL
B42  8:30 – 9:00 a.m.
Improving the 4% Bioretention Size Criterion: A Flow/Volume-Based Approach for Optimization Without Compromising Water Quality
Luis Parra, Tory R. Walker Engineering Inc. Vista, CA
B43  9:00 – 9:30 a.m.
Effective End-of-Pipe Structural BMPs for the Arid Southwest
Jerry Lovato, Albuquerque Metropolitan Arroyo Flood Control Authority, Albuquerque, NM
Craig Hoover, Bohannan Huston Inc, Albuquerque, NM

GREEN INFRASTRUCTURE  Governor’s Square 16
G41  8:00 – 8:30 a.m.
Mainstream the Green: Barriers (and Solutions) to Large-Scale Implementation of Green Infrastructure
Seth Brown, Water Environment Federation, Alexandria, VA
Chris Kloss, US Environmental Protection Agency, Washington, DC
G42  8:30 – 9:00 a.m.
Gwinnett County Low-Impact Development and Green Infrastructure Initiative
Arvind Narayanan, Brown and Caldwell, Atlanta, GA

P34  3:30 – 4:00 p.m.
Who Needs 311 When You Have 24/7?
Sandra McDonald, City of Arvada, CO
Tanna Boisvert, City of Arvada, CO

P35  4:00 – 4:30 p.m.
Measuring Embraced Behavior to Evaluate Effectiveness of MS4 Education and Outreach
Jesse Poore, Felsburg Holt and Ullevig, Lincoln, NE
Janice Lopitz, Keep It Clean Partnership, Boulder, CO
Carrie Powers, CP Compliance, Castle Rock, CO

P36  4:30 – 5:00 p.m.
Innovative Approaches to Developing an NPDES Stormwater Program: Public Involvement at the Watershed Scale Through Stream Monitoring
Brian Bohl, Hamilton County Soil and Water Conservation District, Cincinnati, OH

STORMWATER PROGRAM MANAGEMENT
Governor’s Square 15
P42  8:30 – 9:00 a.m.
Michael McMahon, HDR Engineering Inc., Denver, CO
P43  9:00 – 9:30 a.m.
Creating a Prioritized Pond Maintenance Program
Liz Stout, City of Minnetonka, MN

WATER-QUALITY MONITORING  Governor’s Square 10
Q41  8:00 – 8:30 a.m.
Achieving Numeric Standards for Pollutant Reduction on an MS4 Scale
Kurt Schoen, AECOM, Stevens Point, WI
Q42  8:30 – 9:00 a.m.
Subsurface Flow Wetlands: Monitoring of an Engineered SSF Wetland for Dry-Weather Flow in Torrance, CA
Michael Alberson, Balfour Beatty Construction, San Diego, CA
Q43  9:00 – 9:30 a.m.
Estimating Total Suspended Sediment Removal Rate for Stormwater Quality Ponds
Hui-Ming “Max” Shih, URS Corporation, Denver, CO

See updates at www.StormCon.com
ADVANCED RESEARCH TOPICS
Governor’s Square 11

R41 8:00 – 8:30 a.m.
New Laboratory Protocols to Assess Total Suspended Solids Removal by Manufactured Hydrodynamic Separator and Filtration Devices
Mark Miller, Stormwater Equipment Manufacturers Association, St. Paul, MN
Ryan Janoch, Stormwater Equipment Manufacturers Association, St. Paul, MN

R42 8:30 – 9:00 a.m.
The Myth of Barriers to Remove Sediment From Runoff Waters
Jerald Fifield, HydroDynamics Incorporated, Parker, CO

R43 9:00 – 9:30 a.m.
What Is the Best Volume of Runoff to Retain or Treat? A Simple Free Tool Removes the Guesswork
Ken MacKenzie, Urban Drainage and Flood Control District, Denver, CO

ADVANCED RESEARCH TOPICS
Governor’s Square 11

R53 10:00 – 10:30 a.m.
Taking Lab Results With a Grain of Salt
John Moll, Stormwater Equipment Manufacturers Association, St. Paul, MN

R54 10:30 – 11:00 a.m.
Use of CFD to Understand BMP Resistance to Washout
Jeremy Fink, Hydro International, Portland, ME

WEDNESDAY, AUGUST 22 • 10:00 – 11:00 a.m.

BMP CASE STUDIES Governor’s Square 14

B51 10:00 – 10:30 a.m.
Rain Gardens in Real Life: Testing Performance at the Back Cove Demonstration Rain Garden
Patrick Clark, Stantec, Scarborough, ME

B52 10:30 – 11:00 a.m.
Pervious Concrete: Lessons Learned From Seven Years of Monitoring
Holly Piza, Urban Drainage and Flood Control District, Denver, CO

GREEN INFRASTRUCTURE
Governor’s Square 16

G51 10:00 – 10:30 a.m.
Stormwater Reduction in a Pedestrian-Friendly Urban Retrofit: The Georgia Street Improvements Project
Cassie Reiter, Crawford, Murphy and Tilly, Indianapolis, IN
Adam Burns, Crawford, Murphy and Tilly, Indianapolis, IN
Andy Lutz, Indianapolis Department of Public Works, Indianapolis, IN

G52 10:30 – 11:00 a.m.
Multipurpose Watershed Planning at the Campus Scale
Charles Kelley, ZGF Architects LLP, Portland, OR
Matt Dolan, KPFF Engineers, Portland, OR

STORMWATER PROGRAM MANAGEMENT I
Governor’s Square 12

P51 10:00 – 10:30 a.m.
Stormwater Runoff Management and Modeling in Southwest Louisiana
Justin Shaw, C.H. Fenstermaker and Associates, Lafayette, LA

P52 10:30 – 11:00 a.m.
Developing Stormwater Strategies for Complex Road Reconstruction Problems
Sarah O. Lawson, SRM Associates, Whitby, ON

STORMWATER PROGRAM MANAGEMENT II
Governor’s Square 15

P53 10:00 – 10:30 a.m.
We Were Audited and Lived to Tell About It!
Pam Acre, City of Northglenn/Colorado Stormwater Council, Northglenn, CO
Wanda DeVargas, City of Greenwood Village/Colorado Stormwater Council, Greenwood Village, CO
Dennis Rodriguez, City and County of Broomfield/Colorado Stormwater Council, Broomfield, CO

P54 10:30 – 11:00 a.m.
The CDOT Consent Order, Three Years Later
Rick Willard, Colorado Department of Transportation, Denver, CO

WATER-QUALITY MONITORING Governor’s Square 10

Q53 10:00 – 10:30 a.m.
An Adaptive Management Plan for PCBs in Stormwater and Sediment
Raylene Gennett, City of Spokane, WA
Lynn Schmidt, City of Spokane, WA

Q54 10:30 – 11:00 a.m.
Effectiveness of Requiring Filtration BMPs as Stormwater Management
Paul Moline, Carver County Water Management Organization, Chaska, MN

ADVANCED RESEARCH TOPICS Governor’s Square 11

R53 10:00 – 10:30 a.m.
Taking Lab Results With a Grain of Salt
John Moll, Stormwater Equipment Manufacturers Association, St. Paul, MN

R54 10:30 – 11:00 a.m.
Use of CFD to Understand BMP Resistance to Washout
Jeremy Fink, Hydro International, Portland, ME
**Wednesday, August 22 • 1:30 – 2:30 p.m.**

**EPA Stormwater Program Update 2012**

**Governor’s Square 14**

Jeremy Bauer, environmental scientist with the US Environmental Protection Agency’s Office of Wastewater Management, will provide the latest information and answer questions on EPA’s stormwater program, including recently completed projects, current efforts, and future plans. The talk will include an overview of recently and soon-to-be completed proposals, permits, rules, guidance documents, and memos.

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**BMP CASE STUDIES**

**Governor’s Square 14**

**B61 3:00 – 3:30 p.m.**

The National Arboretum Takes on a Large Urban Stormwater BMP  
Ken Eyre, Greeley and Hansen, Springfield, VA  
Brian McDermott, DC Water, Washington DC

**B62 3:30 – 4:00 p.m.**

Runoff Treatment for a Waterfront Log Sort Yard  
Ross Dunning, Kennedy/Jenks Consultants, Federal Way, WA  
Anita Fichthorn, Port of Tacoma, Tacoma, WA

**B63 4:00 – 4:30 p.m.**

Manchester Field Drainage Improvement Project  
Ryan Lizewski, AECOM, Chelmsford, MA  
Jake San Antonio, AECOM, Chelmsford, MA

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**GREEN INFRASTRUCTURE**

**Governor’s Square 16**

**G61 3:00 – 3:30 p.m.**

Emerging BMPs for Green Highways  
Scott Taylor, RBF Consulting, Carlsbad, CA

**G62 3:30 – 4:00 p.m.**

Deep Underground Injection Wells to Infiltrate Stormwater and Stabilize a Ravine  
Todd Wentworth, AMEC Environment and Infrastructure, Bothell, WA

**G63 4:00 – 4:30 p.m.**

National Apartments: A Case Study of How to Integrate Green Infrastructure Into Infill Development  
Jean Wodarek, Williams Creek Consulting, Indianapolis, IN

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**STORMWATER PROGRAM MANAGEMENT I**

**Governor’s Square 15**

**P61 3:00 – 3:30 p.m.**

Continuing to Control Your (Permitted) Fate: Part II of the Story of a Collaborative Stormwater Organization  
Jill Piatt-Kemper, City of Aurora/Colorado Stormwater Council, Aurora, CO  
Pam Acre, City of Northglenn/Colorado Stormwater Council, Northglenn, CO

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**WATER-QUALITY MONITORING**

**Governor’s Square 10**

**Q61 3:00 – 3:30 p.m.**

Development of Methods for Collecting and Analyzing Storm-Borne Sediments as Part of the Monitoring Requirements of the Ballona Creek Estuary Toxics TMDL  
Taraneh Nik-Khah, City of Los Angeles, CA

**Q62 3:30 – 4:00 p.m.**

The Chesapeake Bay TMDL: A Policy Model for Nutrient Pollution Reductions Across the Country  
Eileen Straughan, Straughan Environmental Inc., Columbia, MD

**Q63 4:00 – 4:30 p.m.**

Stormwater Sampling for Turbidity Under the New EPA General Stormwater Construction Permit  
Jim Bowly, Aquaterra Environmental Solutions Inc., Denver, CO

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See updates at www.StormCon.com
Thursday, August 23 • 8:00 – 9:00 a.m.

BMP CASE STUDIES I
Governor’s Square 11

B71 8:00 – 8:30 a.m.
Street Sweeping Pilot Studies Bring Program Improvements to San Diego
Clem Brown, City of San Diego, CA
Bryn Evans, URS Corporation, La Jolla, CA

BMP CASE STUDIES II
Governor’s Square 14

B73 8:00 – 8:30 a.m.
Utilizing Flocculant-Enhanced Decanting Filter System for Stormwater Sediment Control
Bo Liu, Mid-Atlantic Stormwater Research Center, Mount Airy, MD

B74 8:30 – 9:00 a.m.
Retrofitting Existing Maintenance Facilities to Control Stormwater Management
Thomas Repp, City of Colorado Springs, CO

GREEN INFRASTRUCTURE
Governor’s Square 16

G71 8:00 – 8:30 a.m.
Onondaga County’s Green CSO Program: Successfully Implementing 50 Green Infrastructure Projects in 2011
Andrew Potts, CH2M Hill, Philadelphia, PA
Dan Wible, CH2M Hill, Philadelphia, PA

G72 8:30 – 9:00 a.m.
Successful BMP Design: “It Takes a Village”
Matthew Schlager, Martin/Martin Inc., Lakewood, CO
Phil Krieble, Martin/Martin Inc., Lakewood, CO

ADVANCED RESEARCH TOPICS
Governor’s Square 11

R61 3:00 – 3:30 p.m.
Destabilization of Suspended Particles in Stormwater Subject to Coagulant Dosage and Detention Redox
Jong-Yeop Kim, Florida Gulf Coast University, Fort Meyers, FL

R62 3:30 – 4:00 p.m.
Understanding the Differences in Precipitation Distribution Between Southern California and Coastal Washington State/British Columbia: How Climate Affects Design
Luis Parra, Tory R. Walker Engineering Inc., Vista, CA

R63 4:00 – 4:30 p.m.
Biofilter Performance Influenced by Infiltration Rate, Media Depth, and Solids Concentration
Jia Ma, Contech Construction Products Inc., Portland, OR

2012 StormCon Conference Program
### BMP CASE STUDIES
Governor’s Square 14

**B81 9:30 – 10:00 a.m.**  
Stabilizing Marcy Gulch: A Case Study on the Importance of Stream Stabilization in Urban Watershed Management in the Denver Metro Area  
Derek Johns, Muller Engineering Company Inc., Lakewood, CO  
Laura Kroeger, Urban Drainage and Flood Control District, Denver, CO  
Forrest Dykstra, Highlands Ranch Metro District, Highlands Ranch, CO  
Andy Pultorak, Muller Engineering Company Inc., Lakewood, CO

**B82 10:00 – 10:30 a.m.**  
Natural Channel Design-Based Restoration and Enhancement: The Final BMP for Urban and Suburban Streams  
Lee Forbes, Kellogg Brown and Root Services Inc., Metairie, LA

**B83 10:30 – 11:00 a.m.**  
I-10 and US 27 Reconstruction Case Study, Tallahassee, FL  
Wayne Toothman, Leon County Board of County Commissioners, Tallahassee, FL

### GREEN INFRASTRUCTURE I
Governor’s Square 16

**G81 9:30 – 10:00 a.m.**  
Modeling Watershed Benefits of Green Infrastructure for Various Levels of Development  
Jennifer Walker, Watearth, Houston, TX/Oakland, CA

**G82 10:00 – 10:30 a.m.**  
Low-Impact Development Facility Sizing Tool to Address Hydromodification and Water Quality  
Jim Harper, Brown and Caldwell, Portland, OR  
Leah Johanson, Clackamas County Water Environment Services, Oregon City, OR

**G83 10:30 – 11:00 a.m.**  
Stormwater and Green Infrastructure: Tools for Understanding Urban Forest Benefits  
Ian Hanou, AMEC Earth and Environmental, Denver, CO  
Richard Thurau, AMEC Earth and Environmental, Denver, CO

### GREEN INFRASTRUCTURE II
Governor’s Square 12

**G84 9:30 – 10:00 a.m.**  
Integrating Stormwater Runoff Quantity and Quality Requirements  
Daniel Ahern, Beaufort County Stormwater Utility, Beaufort, SC  
Robert Klink, Beaufort County, SC

**G85 10:00 – 10:30 a.m.**  
Integrating Green Infrastructure Into Seattle’s CSO Program  
Dustin Atchison, CH2M Hill, Bellevue, WA

**G86 10:30 – 11:00 a.m.**  
Trillium Site Stream Corridor Restoration Project, St. Paul, MN  
Bob Fossum, Capitol Region Watershed District, St. Paul, MN  
Mark Doneux, Capitol Region Watershed District, St. Paul, MN

### STORMWATER PROGRAM MANAGEMENT
Governor’s Square 15

**P81 9:30 – 10:00 a.m.**  
Simplifying Stormwater Permitting for Maintenance Activities and Small Projects in Waterways in Denver, CO  
Hayes Lenthart, Wright Water Engineers, Denver, CO  
Chris McFarland, City and County of Denver, CO  
Michael Sarmento, Urban Drainage and Flood Control District, Denver, CO

**P82 10:00 – 10:30 a.m.**  
Putting Research, Education, and Management to Work at the Washington Stormwater Center  
Tanyalee Erwin, Washington Stormwater Center, Puyallup, WA

**P83 10:30 – 11:00 a.m.**  
City of Fort Worth Innovative Water-Quality Program for the Effective Implementation of BMPs  
Aiza Jose, Brown & Gay Engineers Inc., Frisco, TX

### ADVANCED RESEARCH TOPICS
Governor’s Square 11

**R81 9:30 – 10:00 a.m.**  
Case Studies of Performance Monitoring of Infiltration BMPs  
Kelly Isaacson, Daniel B. Stephens and Associates Inc., Albuquerque, NM  
Gundar Peterson, Daniel B. Stephens and Associates Inc., Albuquerque, NM

**R82 10:00 – 10:30 a.m.**  
Clogging of Porous Asphalt and Pervious Concrete Parking Lots  
Massoud Kayhanian, University of California, Davis, CA

**R83 10:30 – 11:00 a.m.**  
Physical Modeling and Evaluation of Hydraulic Efficiencies for Colorado Department of Transportation Type C and D Median Inlets  
Amanda Cox, Colorado State University, Fort Collins, CO

See updates at www.StormCon.com
Pre-Conference Courses

Monday, August 20, 8:00 a.m. – 4:00 p.m.
Registration Type/Fees:
Attendee, Speaker, Sponsor, Exhibitor – $225.00
Student – $75.00

Stormwater Pollution Modeling for LID, TMDL, and Retrofitting Analyses—An Overview of WinSLAMM
Monday, August 20, 8:00 a.m. – 4:00 p.m.
Registration Type/Fees:
Attendee, Speaker, Sponsor, Exhibitor – $225.00
Student – $75.00

Designer and Review Series Part II:
Technical Assessment of Construction Site BMPs
Monday, August 20, 8:00 a.m. – 4:00 p.m.
Registration Type/Fees:
Attendee, Speaker, Sponsor, Exhibitor – $225.00
Student – $75.00

NEW BMP Selection to Improve Your Watershed
Monday, August 20, 8:00 a.m. – 4:00 p.m.
Registration Type/Fees:
Attendee, Speaker, Sponsor, Exhibitor – $225.00
Student – $75.00

NEW “What Gets Measured Gets Managed.” How Are You Measuring Environmental Compliance?
Monday, August 20, 8:00 a.m. – 4:00 p.m.
Registration Type/Fees:
Attendee, Speaker, Sponsor, Exhibitor – $225.00
Student – $75.00

Pre-Conference Certification Courses

Certified Professional in Storm Water Quality (CPSWQ®)
Certified Professional in Erosion and Sediment Control (CPESC®)
Certified Erosion, Sediment, and Storm Water Inspector (CESSWI™)
Certified Municipal Separate Storm Sewer System Specialist (CMS4S™)
Sunday, August 19, CPESC, CESSWI, CMS4S Review Courses, 8:30 a.m. – 4:30 p.m.
Sunday, August 19, CPSWQ Review Course, 8:30 a.m. – 5:30 p.m.
Monday, August 20, Certification Exams, 8:30 a.m. – 1:30 p.m.
Registration Type/Fee:
Attendee, Speaker, Sponsor, Exhibitor – $250.00

Certified Inspector of Sediment and Erosion Control (CISEC®)
Training Modules:
Sunday, August 19, 8:00 a.m. – 5:00 p.m.
Monday, August 20, 8:00 a.m. – 11:00 a.m.

Certification Exam:
Monday, August 20, 1:00 p.m. – 5:00 p.m.
Registration Type/Fee:
Attendee, Speaker, Sponsor, Exhibitor – $250.00

Conference Registration Packages/Fees

Early-Bird Registration
Please note that early-bird discounted fees for the following packages are applicable to all registrations received prior to August 10, 2012. Pre-conference and certification courses are not included in package options and are not subject to early bird discounts.

Full Conference Package (2.5 days)
Tuesday, August 21; Wednesday, August 22; and Thursday, August 23

EARLY-BIRD Registration Type/Fee prior to August 10
Attendee – $495.00
Speaker/Sponsor/Exhibitor – $425.00
Student – $125.00

Registration Type/Fee after August 10
Attendee – $525.00
Speaker/Sponsor/Exhibitor – $450.00
Student – $125.00

• Admission to the Exhibit Hall Reception on Monday
• Admission to the Opening General Session Panel Discussion: “How Your Stormwater Program May be Impacted by New Regulations” on Tuesday
• Admission to the Gala Reception on Tuesday
• Unlimited admission to the courses of your choice during all three days
• One ticket to both luncheons on Tuesday and Wednesday
• Admission to all morning coffee breaks and afternoon mixer functions
• Online access to the official StormCon Conference Papers CD
• One copy of the official StormCon Conference Guide

Two-Day Package
Tuesday, August 21, and Wednesday, August 22

EARLY-BIRD Registration Type/Fee prior to August 10
Attendee – $475.00
Speaker/Sponsor/Exhibitor – $425.00
Student – $100.00

Registration Type/Fee after August 1, 2011
Attendee – $495.00
Speaker/Sponsor/Exhibitor – $450.00
Student – $100.00

• Admission to the Exhibit Hall Reception on Monday
• Admission to the Opening General Session Panel Discussion:
“How Your Stormwater Program May be Impacted by New Regulations” on Tuesday
• Admission to the Gala Reception on Tuesday
• Unlimited admission to the courses of your choice on Tuesday and Wednesday only
• One ticket to both luncheons on Tuesday and Wednesday
• Admission to all morning coffee breaks and afternoon mixer functions
• One copy of the official StormCon Conference Guide

Two-Day Package
Wednesday, August 22, and Thursday, August 23

EARLY-BIRD Registration Type/Fee prior to August 10
Attendee – $475.00
Speaker/Sponsor/Exhibitor – $425.00
Student – $100.00

Registration Type/Fee after August 10
Attendee – $495.00
Speaker/Sponsor/Exhibitor – $450.00
Student – $100.00

• Admission to the Exhibit Hall Reception on Monday
• Admission to the Opening General Session Panel Discussion: “How Your Stormwater Program May be Impacted by New Regulations” on Tuesday
• Admission to the Gala Reception on Tuesday
• Unlimited admission to the courses of your choice on Wednesday and Thursday only
• One ticket to the luncheon on Wednesday
• Admission to all morning coffee breaks and afternoon mixer functions
• One copy of the official StormCon Conference Guide

One-Day Package
Tuesday, August 21

EARLY-BIRD Registration Type/Fee prior to August 10
Attendee – $325.00
Speaker/Sponsor/Exhibitor – $295.00
Student – $75.00

Registration Type/Fee after August 10
Attendee – $350.00
Speaker/Sponsor/Exhibitor – $325.00
Student – $75.00

• Admission to the Exhibit Hall Reception on Monday
• Admission to the Opening General Session Panel Discussion: “How Your Stormwater Program May be Impacted by New Regulations” on Tuesday
• Admission to the Gala Reception on Tuesday
• Unlimited admission to the courses of your choice on Tuesday only
• One ticket to the Tuesday luncheon
• Admission to the morning coffee break and afternoon mixer functions
• One copy of the official StormCon Conference Guide

One-Day Package
Wednesday, August 22

EARLY-BIRD Registration Type/Fee prior to August 10
Attendee – $325.00
Speaker/Sponsor/Exhibitor – $295.00
Student – $75.00

Registration Type/Fee after August 10
Attendee – $350.00
Speaker/Sponsor/Exhibitor – $325.00
Student – $75.00

• Admission to the Exhibit Hall Reception on Monday
• Admission to the Opening General Session Panel Discussion: “How Your Stormwater Program May be Impacted by New Regulations” on Tuesday
• Admission to the Gala Reception on Tuesday
• Unlimited admission to the courses of your choice on Wednesday only
• One ticket to the Wednesday luncheon
• Admission to the morning coffee break and afternoon mixer functions
• One copy of the official StormCon Conference Guide

One-Day Package
Thursday, August 23

EARLY-BIRD Registration Type/Fee prior to August 10
Attendee – $275.00
Speaker/Sponsor/Exhibitor – $250.00
Student – $50.00

Registration Type/Fee after August 10
Attendee – $300.00
Speaker/Sponsor/Exhibitor – $275.00
Student – $50.00

• Unlimited admission to the courses of your choice on Thursday only
• Admission to the morning coffee break
• One copy of the official StormCon Conference Guide
Hotel & Travel

Sheraton Downtown Denver
1550 Court Place
Denver, Colorado 80202 USA
www.sheratondenverdowntown.com/

To make reservations, please call the Sheraton Downtown Denver at 800-325-3535 or 303-893-3333, or Sheraton Central
Reservations at 888-627-8405. Tell them you are with the StormCon 2012 convention and request the special conference rate of $145.00 per night, single/double (plus tax).

For online reservations
www.starwoodmeeting.com/Book/scon
Attendee Code: StormCon 2012

Reservation Deadline
August 10, 2012

When: August 3, 2012
Check-In: 3:00 p.m.
Check Out: 12:00 a.m.

Nearby
- Denver Art Museum 0.5 km/0.3 miles
- Denver Center for the Performing Arts 0.8 km/0.5 miles
- Museum of Contemporary Art 1.1 km/0.7 miles
- Golden Triangle Arts District 1.5 km/0.9 miles
- Santa Fe Arts District 2.9 km/1.8 miles
- 16th Street Pedestrian Mall 0.0 km/0.0 miles
- Denver Pavilions 0.1 km/0.1 miles
- Cherry Creek Shopping Center 4.8 km/3.0 miles
- City Park Golf Course 8.0 km/5.0 miles
- Englewood Golf 16.1 km/10.0 miles
- Coors Field (Home of the Colorado Rockies) 1.6 km/1.0 miles
- Pepsi Center (Home of the Denver Nuggets and the Colorado Avalanche) 1.6 km/1.0 miles
- Sports Authority Field at Mile High (Home of the Denver Broncos) 3.2 km/2.0 miles

Travel Information

United Airlines has been designated as the official airline for StormCon ‘12.

Call your travel professional or United Meetings at 800-521-4041 for reservations.


United Meetings
USA or Canada: 800-521-4041
7:00 a.m. – 9:00 p.m. CST Monday–Friday
8:00 a.m. – 6:00 p.m. CST Saturday–Sunday

Book your own reservations at www.united.com and save an additional 3% off published fares. Choose flight times and access meeting discounts by typing ZMMYS27286 in the offer code box.

For reservations outside the toll-free area, contact your local United reservations office.

Hertz has been appointed as the official car rental company for StormCon at the Sheraton Denver Downtown in Denver, CO August 19-23, 2012.


Meeting rates are available beginning August 12 through August 18, 2012.

At the time of reservation, the meeting rates will be automatically compared to other Hertz rates, and you will be quoted the best comparable rate available. For our special StormCon discounted rates, please reference meeting number CV# 03AN0008 and the meeting name, StormCon 2012.
StormCon® The North American Surface Water Quality Conference & Exposition
August 19 – 23, 2012 Sheraton Denver Downtown, Denver, CO, USA

Registration Form

Registrant Information
First Name: __________________________ Last Name: __________________________
Company/Agency/Affiliation: ______________________________________________________
Address: __________________________________________ State/Province: __________ Zip/Postal Code: __________ Country: __________
City: __________________________________________ Phone: __________________________ Fax: __________________________
E-mail: __________________________________________ Web Site Address: __________________________

1. Primary Business (Check only one)
☐ 1. Municipal Government (City, Township)
☐ 2. County Government
☐ 3. Special District/Authority
☐ 4. State Government
☐ 5. Federal Government
☐ 6. Other Government Agency dealing with surface water quality
☐ 7. Engineering/Design/Consulting Firm dealing with surface water quality
☐ 8. Contracting/Construction Firm dealing with surface water quality
☐ 9. Dealer/Representative/Distributor/Sales
☐ 10. Association/Society/Library/Educational Institution

Free Subscription Offer!
☐ Yes! I wish to receive Stormwater magazine FREE
☐ No

What is Your Job Title?
☐ 1. Owner/President/Vice President/Elected Official
☐ 2. Manager/Director/Foreman/Supervisor/Inspector
☐ 3. Director/Chief/Superintendent
☐ 4. Engineer/Technician/Specialist/Designer
☐ 5. Program Manager/Coordinator/Project Manager/Planner
☐ 6. Other (Specify) __________________________

2. Pre-Conference Course Fees
Monday, August 20, 8:00 a.m. – 4:00 p.m.
$225.00 Attendee, Speaker, Sponsor, Exhibitor
$75.00 Student

Stormwater Pollution Monitoring for LID, TMDL, and Retrofitting Analyses — An Overview of WinSLAMM
Monday, August 20, 8:00 a.m. – 4:00 p.m.
$225.00 Attendee, Speaker, Sponsor, Exhibitor
$75.00 Student

Designer and Review Series Part II: Technical Assessment of Construction Site BMPs
Monday, August 20, 8:00 a.m. – 4:00 p.m.
$225.00 Attendee, Speaker, Sponsor, Exhibitor
$75.00 Student

NEW BMP Selection to Improve Your Watershed
Monday, August 20, 8:00 a.m. – 4:00 p.m.
$225.00 Attendee, Speaker, Sponsor, Exhibitor
$75.00 Student

NEW “What gets Measured gets Managed.” How are you Measuring Environmental Compliance?
Monday, August 20, 8:00 a.m. – 4:00 p.m.
$225.00 Attendee, Speaker, Sponsor, Exhibitor
$75.00 Student

NEW Fire & Rain: Rapid Assessment and Emergency Mitigation Measures Following Wildfires
Tuesday, August 21, 8:00 a.m. – 4:00 p.m.
$95.00 Attendee, Speaker, Sponsor, Exhibitor
$50.00 Student

3. Pre-Conference Certification Course Fees
Certified Professional in Storm Water Quality (CPSWQ®)
Sunday, August 19, Review Course, 8:30 a.m. – 5:30 p.m.
$250 Attendee, Speaker, Sponsor, Exhibitor

Certified Professional in Erosion and Sediment Control (CPESC®)
Sunday, August 19, Review Course, 8:30 a.m. – 4:30 p.m.
$250 Attendee, Speaker, Sponsor, Exhibitor

Certified Erosion, Sediment, and Storm Water Inspector (CESSWI™)
Sunday, August 19, Review Course, 8:30 a.m. – 4:30 p.m.
$250 Attendee, Speaker, Sponsor, Exhibitor

Certified Inspector of Sediment and Erosion Control (CISEC™)
Sunday, August 19, Training Modules, 8:00 a.m. – 5:00 p.m.
$250 Attendee, Speaker, Sponsor, Exhibitor

Certified Municipal Separate Storm Sewer System Specialist (CMS4S™)
Sunday, August 19, Review Course, 8:30 a.m. – 4:30 p.m.
$250 Attendee, Speaker, Sponsor, Exhibitor

5. EARLY BIRD Registration Package Fees Prior to August 10, 2012
Full Conference Package (2.5 days): Tuesday, August 21, Wednesday, August 22, and Thursday, August 23
$495.00 Attendee, Speaker, Sponsor, Exhibitor
$242.50 Student

2-Day Conference Package: Tuesday, August 21, and Wednesday, August 22
$475.00 Attendee, Speaker, Sponsor, Exhibitor
$237.50 Student

2-Day Conference Package: Wednesday, August 22, and Thursday, August 23
$475.00 Attendee, Speaker, Sponsor, Exhibitor
$237.50 Student

1-Day Conference Package: Tuesday, August 21
$325.00 Attendee, Speaker, Sponsor, Exhibitor
$161.25 Student

1-Day Conference Package: Wednesday, August 22
$325.00 Attendee, Speaker, Sponsor, Exhibitor
$161.25 Student

1-Day Conference Package: Thursday, August 23
$275.00 Attendee, Speaker, Sponsor, Exhibitor
$137.50 Student

6. Registration Package Fees After August 10, 2012
Full Conference Package (2.5 days): Tuesday, August 21, Wednesday, August 22, and Thursday, August 23
$525.00 Attendee, Speaker, Sponsor, Exhibitor
$262.50 Student

2-Day Conference Package: Tuesday, August 21, and Wednesday, August 22
$495.00 Attendee, Speaker, Sponsor, Exhibitor
$247.50 Student

2-Day Conference Package: Wednesday, August 22, and Thursday, August 23
$495.00 Attendee, Speaker, Sponsor, Exhibitor
$247.50 Student

1-Day Conference Package: Tuesday, August 21
$350.00 Attendee, Speaker, Sponsor, Exhibitor
$175.00 Student

1-Day Conference Package: Wednesday, August 22
$350.00 Attendee, Speaker, Sponsor, Exhibitor
$175.00 Student

1-Day Conference Package: Thursday, August 23
$300.00 Attendee, Speaker, Sponsor, Exhibitor
$150.00 Student

7. Partial Day Registration: $125.00 each
Tuesday, August 21
8:00 a.m. – 9:30 a.m. $125.00 Attendee, Speaker, Sponsor, Exhibitor $62.50 Student
8:00 a.m. – 9:30 a.m. $125.00 Attendee, Speaker, Sponsor, Exhibitor $62.50 Student
8:00 a.m. – 9:30 a.m.
2:00 p.m. – 3:00 p.m.
10:00 a.m. – 11:00 a.m.
3:00 p.m. – 4:30 p.m.
9:30 a.m. – 11:00 a.m.
3:00 p.m. – 4:30 p.m.
5.00 a.m. – 6.00 p.m.
5.00 a.m. – 6.00 p.m.

Total Number of Tracks _______ x $125.00 each = $ _______

8. Individual Meals: $45.00 each
☐ Lunch - Tuesday, August 21
☐ Lunch - Wednesday, August 22

9. Please Indicate Method of Payment:
☐ Check (Please make checks payable to StormCon)
Checks must be payable in US dollars and drawn on a US bank.
Any processing fees will be billed to the registrant.

Purchase Order Number: __________________________ (P.O. Number must be enclosed with this form. Fee is to be paid in full prior to StormCon)

Please Charge: ☐ Visa ☐ MasterCard ☐ AmEx ☐ Discover
Account Number: __________________________
Expiration Date: __________________________
Cardholder Name: __________________________
Signature: __________________________
Address: __________________________________________
City: __________________________________________
State/Province: __________ Zip/Postal Code: __________
Country: __________

Please Note: To avoid delays in registration, please submit one completed registration form per person. If you are paying by check or purchase order, please mail the registration form with your payment.

Cancellation Policy: Cancellations prior to July 2, 2012, will be subject to a processing fee of 35%. After July 2, 2012, registration fees will not be refunded, but may be applied to another individual’s registration fees. StormCon must be notified in writing prior to July 2, 2012 of any transferred registration. A completed form with the new attendee’s information must accompany the notification.

Submit this completed registration form by mail to:
Forrester Media Inc., c/o StormCon Registration
P.O. Box 3100, Santa Barbara, CA 93130
or by fax to: 805-682-0200, attention: StormCon Registration
Questions? Contact us at 805-682-1300, x 136 or by e-mail at snania@forrester.net
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Go with the Flow @ StormCon 2012

August 19–23, 2012
Sheraton Downtown
Denver, Colorado
www.StormCon.com

If stormwater is your field of interest, join us in Denver this August