

The New York State Stormwater Regional Training Centers

featuring Don Lake PE, CPESC, CPSWQ

Lead Instructor and Curriculum Coordinator

~Eastern New York~

The New York Stormwater Regional Training Centers (SW RTC) are a Statewide Partnership between Saratoga and Orange County Cornell Cooperative Extensions, the Central New York Regional Planning & Development Board, and the Stormwater Coalition of Monroe County & Monroe County SWCD. Our goal is to provide the best technical training to all stormwater professionals working in New York State.

The Regional Training Centers are dedicated to providing stormwater professionals working in New York with the best possible Information, Education, and Training to help better manage stormwater runoff and keep all of our waters clean.

Stormwater Management is part of the U.S. Federal Clean Water Act that regulates small Municipalities and all construction sites of one acre or more through the National Pollutant Discharge Elimination System managing stormwater runoff from urbanized areas.

For more information about the Eastern NY SW RTC:

Call: (518) 885-8995 x224

or visit us on the web anytime at:

www.saratogastormwater.org

The Eastern NY SW RTC is located at:
Saratoga Cornell Cooperative Extension
50 West High Street
Ballston Spa, NY 12020

Eastern NY SW RTC~ Saratoga County

www.saratogastormwater.org

Central NY SW RTC~ Onondaga County

www.cnyrpd.org/stormwater

Southeastern NY SW RTC~ Orange County

<http://counties.cce.cornell.edu/orange/orange.htm>

Western NY SWRTC~ Monroe County

www.monroecountyswcd.org



Make checks or purchase orders payable to: "Saratoga CCE"

Mail the completed registration form to:

Eastern SW RTC

ATTN: Blue Neils

50 West High Street

Ballston Spa, NY 12020

OR

Fax the registration form with credit card information to

518-885-9078

Please Register Me for the Following:

(includes all course materials, refreshments, and lunch)

Hydrology I (\$200.00)
Tuesday February 2nd, 2010

Hydrology II (\$200.00)
Wednesday February 3rd, 2010

Stormwater Management Design (\$200.00)
Wednesday March 3rd, 2010

Better Site Design (\$200.00)
Wednesday April 7th, 2010

Erosion & Sediment Control I (\$200.00)
Tuesday May 18th, 2010

Erosion & Sediment Control II (\$200.00)
Wednesday May 19th, 2010

IDDE
TBA

TOTAL REGISTRATION FEES \$

Payment: Check Voucher Credit Card Cash At the Door

Name: _____

Nickname for Badge: _____

Company or Organization: _____

Address: _____

City: _____

State: _____ Zip: _____

Telephone: (____) _____

Fax: (____) _____

Email: _____

Credit Card Registration

VISA Master Card Sorry we can't accept AMEX or Discover

Card#: _____

Name on Card: _____

Expiration Date: _____

PLEASE NOTE that it is the policy of the Saratoga I-SWM Program not to refund "no show" registrants. Cancellations must be made at least 48 hours prior to the course date and will be charged a \$25 fee. Substitutions are acceptable up to the day of any course.

We cannot guarantee the security of email attachments. DO NOT EMAIL this form with your credit card information! If you intend to pay by credit card, please, fax the completed form to the number or mail it to us at the address provided on this form.



Donald W. Lake Jr ~ Lead Instructor/Curriculum Coordinator

Don graduated from the State University of New York at Buffalo in 1970 with a B.S. degree in Civil Engineering. He is a licensed professional engineer in New York, a Certified Professional in Erosion and Sediment Control (CPESC), and a Certified Professional in Stormwater Quality (CPSWQ). Don “retired” from the USDA-Natural Resources Conservation Service in 1995 after 27 years of service. He served as Engineering Specialist to the NYS Soil & Water Committee from 1996 to 2006 assisting NYS-DEC with the implementation of their stormwater program. He is the principal author of the “New York Standards and Specifications for Erosion and Sediment Control”, the “New York Contractors Erosion and Sediment Control Field Notebook”, and co-author of “Construction Site Erosion and Sediment Controls – Planning, Design, and Performance”. He is an Adjunct Professor at Syracuse University and at The State University of New York College of Environmental Science and Forestry where he teaches a graduate engineering course on erosion control and stormwater design. He developed the Stormwater Short Course curriculum for practicing professionals originally presented through Syracuse University and currently by SUNY College of Environmental Science & Forestry. He has presented over 1,390 lectures, seminars, and

training workshops in erosion and sediment control, hydrology, and stormwater management throughout the country. He is the 1996 recipient of the International Erosion Control Association’s Sustained Contributor Award.

2010 Stormwater Training Course Descriptions

1. **Hydrology 1**- Understanding the hydrology of stormwater is essential for anyone that is involved with designing, reviewing, constructing or regulating drainage. This course covers the three (3) basic influences of climate, topography and land cover and instructs participants in the calculation of runoff by standards methods (TR-55 et. al.) to determine runoff rates and volumes. Actual design examples will be used.
 - 7.0 PDH/0.7CEU available for this course.
2. **Hydrology 2** – This course will build on the skills learned in Hydrology 1 to examine the methods of modeling stormwater and designing detention facilities in complex watersheds using WIN TR-55, WIN TR-20 and HydroCAD computer models. Site specific examples will be used for the in-class hands-on computer design problems.
 - 7.0 PDH/0.7 CEU available for this course.
3. **Stormwater Management Design** – Participants in this course will be instructed in the tenets of stormwater design including determination of water quality treatment volumes, selecting the appropriate practices for a site, and assessing pollutant loads. Variants for redevelopment and heightened criteria for impaired watersheds will be covered with actual site examples.
 - 7.0 PDH/0.7CEU available for this course
4. **Better Site Design** – Known also as Low Impact Development and Conservation Design, this course will detail the planning concepts and methodology for site layout and design to accent source control for reducing pollutant loads as well as stormwater runoff. The incorporation of this “green infrastructure” is critical to improved water quality. Actual sites will be used in the classroom for the participants to create their plans.
 - 7.0 PDH/0.7 CEU available for this course
5. **Erosion & Sediment Control 1** – One of the most critical components of stormwater management on construction sites is a properly prepared erosion and sediment control plan. This course will cover the fundamentals of erosion and sediment control, evaluating site risk, calculating soil loss, evaluating hydrologic impacts, designing appropriate practices and preparing a comprehensive E&S plan. Classroom examples will use actual sites for demonstration.
 - 7.0 PDH/0.7 CEU available for this course
6. **Erosion & Sediment Control 2** – Building on the skills learned in the first course, this field oriented course requires the participants to design their E&S plan for a site after a field visit. Design of the practices will be covered and incorporated into group presentations. Site inspection of active construction operations will also be conducted.
 - 7.0 PDH/0.7 CEU available for this course.
7. **Illicit Discharge Detection and Elimination (IDDE)** – Most MS4’s have begun their IDDE program by locating and inventorying their stormwater outfalls, but many have not started the process of detecting and locating the illicit discharge and eliminating them. This course will take the participants thru this process with hands on lab testing on prepared samples in the classroom to determine potential pollutants and then in the field to demonstrate actual detection methods and locating techniques.

2010 Stormwater Statewide Training Schedule

Courses	Western NY	Central NY	Eastern NY	Southeastern NY
1. Hydrology 1	1/20	1/27	2/2	2/8
2. Hydrology 2	1/21	1/28	2/3	2/9
3. SWM Design	2/24	2/25	3/3	3/4
4. BSD	3/17	3/18	4/7	4/9
5. E&S 1	5/4	5/11	5/18	5/25
6. E&S 2	5/5	5/12	5/19	5/26
7. IDDE	TBA	4/29	TBA	6/15