



Western New York Stormwater Management Training Series

February — May 2024

Classes start February 27th and are held every 2-3 weeks through May.

Classes run 4 hours from 8:30am to 1:00pm.

VIRTUAL via ZOOM

Workshop Fee: \$175 per class

4 PDHs, 4 LUs, and 4 CEUs are expected to be awarded for all of these classes.

WHO SHOULD ATTEND

- Code Enforcement Officers
- Consulting/municipal design engineers
- Municipal Planning Board members
- Land use planners/developers
- Stormwater professionals
- Teachers
- Municipal staff
- Consultants
- Landscape Architects

PRINCIPAL INSTRUCTOR:

John Dunkle, P.E., CPESC, CPMSM

John has been a practicing civil engineer since 1981, and is a Certified Professional in Erosion & Sediment Control (CPESC), and a Certified Professional in Municipal Stormwater Management (CPMSM).

John has prepared & reviewed Stormwater Pollution Prevention Plans (SWPPPs), provided guidance for Municipal Separate Storm Sewer Systems (MS4s), & participated with NYS DEC in the development of the current stormwater regulations & design manuals.

John also teaches a graduate level Stormwater Management class at SUNY-Environmental Science & Forestry, & has been conducting stormwater trainings across New York State for over 15 years. He has also been Planning Board Chairman for over 10 years in his hometown.



REGISTRATION

Fill out the online registration through the MCSSWCD website:

<https://monroecountyswcd.org/page-48.html>

Additional details will be sent to registered individuals prior to the class date including Zoom registration information to access the course.

Course details, descriptions, and registration can also be found online

<https://monroecountyswcd.org/page-48.html>

PAYMENT

We accept credit card payments over the phone or online through Square

OR

Mail a check to our office
Please make checks payable to:

MCSWCD

Registration and payment must be received by our office at least 1 week prior to the class date.

Series Co-Sponsored by:



Monroe County Soil & Water Conservation District

145 Paul Road, Bldg. 5 • Rochester, New York 14624 • Ph. 585-753-7380 Email: mcswcd@monroecounty.gov

<https://monroecountyswcd.org/>

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2024 Courses

Registration starts at 8:00am
Classes will be held from 8:30am-1:00pm

Course	Date	Description
The New MS4 Permit	2/27/2024	After nearly six years, the new MS4 General Permit is being finalized for a new five year term. The new permit clarifies and simplifies some elements of the existing permit while introducing new compliance challenges and obligations. Each of the six minimum measure requirements will be reviewed, emphasizing the significant modifications in the new permit pertaining to prioritizing, reporting, mapping, and developing municipal facility SWPPP's. NYSDEC personnel and Andy Sansone from Monroe County Department of Environmental Services (MC DES) will participate in this class and will be available for questions.
Stormwater Hydrology & The New Design Manual	3/19/2024	Predicting the volume and rate of runoff from rain events is an essential skill for stormwater engineers. This class will examine in detail all of the factors that influence runoff: precipitation, soils, ground cover, drainage area and time of concentration. The techniques and standards that are outlined in the latest version of the Design Manual for computing runoff rates and volumes will be reviewed. Reservoirs, outlet structures, and solar farms will also be addressed, along with hydrology modeling techniques to address the climate change.
Post Construction Stormwater Management Practices & The New Design Manual	4/9/2024	From dry detention to tree plantings, the updated NYS Stormwater Design Manual outlines the numerous possibilities for selecting practices to meet the permit requirements for peak flow mitigation, water quality treatment and runoff reduction. This class will review the characteristics and performance of each of these practices, and will provide an overview of the many considerations that must be made to choose the most appropriate ones for site specific needs. Practice sizing, construction and maintenance of each practice will also be covered.
SWPPP Preparation & Review	4/30/2024	Preparing, reviewing & implementing a Stormwater Pollution Prevention Plan (SWPPP) is essential to stormwater management for both the public and private sectors. The SWPPP is a key component of the Construction General Permit, the Multi Sector General Permit, and of Minimum Control Measures 4, 5, and 6 of the MS4 General Permit. This class will review all of the required elements of partial and full SWPPP's, including site planning, erosion & sediment control, hydrology, good housekeeping, post construction management and maintenance. Updates to the Design Manual will also be incorporated. Preparation of Municipal Facility SWPPP's, a new requirement of MM 6 of the MS4 permit, will also be covered. Andy Sansone, MC DES will participate in this class and will be available for questions.
MS4 Program - Strategies for Success	5/14/2024	As a follow-up to the February class we will go deeper into the MS4 permit requirements and focus on key areas of program development. Primary topics will include Illicit Discharge detection and track down programs, Best Management Practices for Municipal Facilities and Developing Municipal Facilities and Operations Programs. The use of GIS mapping tools will be highlighted throughout as well as discussions for developing Staffing and Enforcement Response Plans. Andy Sansone, Monroe County Stormwater Coordinator will be the lead presenter along with John Dunkle and Christiana Chaippeta from NYSDEC.

NY Statewide Stormwater Training

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