

VIRTUAL TRAINING

**CELEBRATE OUR 30TH ANNIVERSARY!
LET'S GET BACK TO THE BASICS**



IMPACTS OF URBANIZATION

Understand the hydrologic, physical, water quality, and biologic impacts of urbanization on watersheds



WATERSHED PLANNING

Learn basic steps to develop and implement management plans



8 TOOLS

Review tools for watershed protection, and some key choices a watershed manager should consider when applying these tools



BETTER SITE DESIGN

Learn the 22 principles for site design that act to reduce impervious cover, conserve open space, prevent stormwater pollution, and reduce the overall cost of development



STORMWATER 101

Review the basics of stormwater pollution, stormwater regulations, permit requirements, and runoff controls and designs



IDDE

Learn what illicit discharges of pollution are, how they are regulated at the state and federal level, and some of the techniques used to detect and eliminate them

REGISTRATION IS NOW OPEN!

PROFESSIONAL TRAINING

LEARN FROM THE EXPERTS AT CWP



WHO SHOULD REGISTER FOR THESE TRAINING MODULES?

Professionals in local, state, tribal, and federal government agencies, watershed organizations, and consulting firms new to watershed and stormwater management and planning. Also, professionals looking for a refresher on impacts of urbanization, the local watershed planning process, key strategies for watershed protection, evaluating local development regulations, stormwater regulations, MS4 permit requirements, and illicit discharge detection and elimination (IDDE).

LOGISTICS

These virtual training modules are 90 minutes of interactive, live training with Center for Watershed Protection staff.

Attendees will enhance their industry knowledge and skillset, network with industry professionals, receive access to guidance documents and manuals, and earn Center for Watershed Protection continued education units (CEUs) or professional development hours (PDHs).

REGISTRATION RATES

To register online, please visit: <https://www.cwp.org/training/>. Rates are for individual participants. For group rates please contact Lea Spencer at lrs@cwp.org. **Full series and half series discounted package rates are available until August 1, 2022.**

	Rate per training	Full Series Package (6 trainings)	Half Series Package (3 trainings)
CWPA Member	\$199	\$995 (17% off)	\$540 (10% off)
Non-Member	\$325	\$1,750 (10% off)	\$925 (5% off)

Questions?

Don't hesitate to get in touch for more information about the Center for Watershed Protection's training opportunities.



Lea Spencer, Training Manager
Center for Watershed Protection
training@cwp.org
(410) 696-3974

TRAINING MODULE DESCRIPTIONS



IMPACTS OF URBANIZATION

Tuesday
August 23, 2022

Because activities on the land have a direct impact on the quality of our water resources, understanding the relationship between land use and overall watershed health is critical. This training provides a discussion of the hydrologic, physical, water quality, and biologic impacts of urbanization on watersheds.

After completing this module, you should be able to:

- Cite the broad categories of human activities that impact watersheds.
- Identify the largest source of impairments to US waters.
- Define watershed alterations associated with urbanization.
- Describe the basic land development processes in the US and the subsequent impacts associated with each phase (pre, during, and post construction) of the development process.
- Discuss hydrologic, physical, water quality, and biologic impacts of urbanization on watersheds.



WATERSHED PLANNING

Tuesday
August 30, 2022

This training will provide an introduction to watershed planning, including why watersheds are important; an overview of the different types of watershed plans; and basic steps to assess watersheds, develop and implement management plans, and track and evaluate progress. Resources will be provided for a variety of watershed assessment and planning methods and tools, and there will be opportunity to discuss emerging issues and research needs.

After completing this module, you should be able to:

- Understand why the watershed approach is important
- Understand the basic steps to develop a watershed plan
- Know where to go for resources on different types of watershed plans, methods, and tools

This training will include a resource sheet with links to a number of guidance documents, assessment protocols, tools and other resources that are useful to develop a watershed plan.



8 TOOLS

Tuesday
September 6, 2022

The eight tools of watershed protection outline an approach that applies eight tools to protect or restore aquatic resources in a subwatershed. This training will describe the nature and purpose of the eight watershed protection tools, outline some specific techniques for applying the tools, and highlights some key choices a watershed manager should consider when applying or adapting the tools within a given subwatershed. Each of these tools is an essential element of a comprehensive watershed protection approach and their goal is to provide local communities with a realistic approach for maintaining a quality environment for future generations.

After completing this module, you should be able to:

- Identify the eight tools of watershed protection and their purpose
- Understand key issues that watershed managers must address and effective strategies for addressing them within the eight tools framework

TRAINING MODULE DESCRIPTIONS



BETTER SITE DESIGN

Tuesday
September 13, 2022

This training will review the Center for Watershed Protection's Better Site Design Handbook which outlines 22 model development principles for site design that act to reduce impervious cover, conserve open space, prevent stormwater pollution, and reduce the overall cost of development. The model development principles were created through a national Site Planning Roundtable, a consensus-based process initiated to create more environmentally sensitive, economically viable and locally appropriate development.

After completing this module, you should be able to:

- Understand the 22 model development principles for better site design
- Identify a process for evaluating local development regulations
- Understand how to use the Codes and Ordinances Worksheet (COW) in your community

Attendees will receive a pdf copy of the Better Site Design Handbook and updated Codes and Ordinances Worksheet (COW). The COW can be used by communities who are experiencing or anticipating moderate to high pressure for new development (urban, suburban, or rural) or redevelopment.



STORMWATER 101

Tuesday
September 20, 2022

This training will review the basics of stormwater, including example stormwater regulations, stormwater permit requirements, stormwater pollution and effects, and runoff controls and designs.

After completing this module, you should be able to:

- Understand how stormwater runoff can cause water quality and water quantity issues
- Identify ways to mitigate stormwater runoff problems
- Understand regulatory drivers to stormwater management

This training will include a resource sheet with a list of guidance documents on developing successful stormwater management programs.



IDDE

Tuesday
September 27, 2022

Illicit Discharge Detection and Elimination (IDDE) is a critical tool for communities to reduce pollution and protect public health. This training will describe what illicit discharges of pollution are, how they are regulated at the state and federal level, and some of the techniques used to detect and eliminate them. Finally, it will discuss some new technologies and research needs.

After completing this module, you should be able to:

- Describe what illicit discharges are, as well typical sources of discharges.
- Understand how the US EPA regulates illicit discharges.
- Understand key storm and sewer infrastructure terminology used in IDDE source tracking.
- Discuss methods used to detect, track, and prevent illicit discharges

This training will include a resource sheet with a list of IDDE resources compiled specifically for this training.