

# STORMWATER COALITION



The Stormwater Coalition is a committee of the Toledo Metropolitan Area Council of Governments (419.241.9155). The coalition is composed of the following members:

Lucas County  
(419.213.4500)  
Wood County  
(419.354.9000)  
City of Bowling Green  
(419.354.6227)  
City of Maumee  
(419.897.7150)  
City of Northwood  
(419.693.9327)  
City of Oregon  
(419.698.7047)  
City of Perrysburg  
(419.872.8010)  
City of Rossford  
(419.666.0210)  
City of Sylvania  
(419.885.8957)  
City of Toledo  
(419.245.1050)  
City of Waterville  
(419.878.8100)  
Village of Haskins  
(419.823.1911)  
Village of Holland  
(419.865.7104)  
Village of Millbury  
(419.836.9671)  
Village of Ottawa Hills  
(419.536.1111)  
Village of Walbridge  
(419.666.1830)  
Village of Whitehouse  
(419.877.5383)  
Jerusalem Township  
(419.836.8921)  
Lake Township  
(419.838.6536)  
Middleton Township  
(419.823.1480)  
Monclova Township  
(419.865.7862)  
Perrysburg  
Township  
(419.872.8861)  
Spencer Township  
(419.865.2883)  
Springfield  
Township  
(419.865.0239)  
Sylvania Township  
(419.882.0031)  
Washington  
Township  
(419.726.6621)  
Waterville Township  
(419.878.5176)  
Toledo HBA  
(419.473.2507)

## Free Stormwater Webcasts in 2017

TMACOG's Stormwater Coalition will host a series of webcasts in 2017 provided by the Center for Watershed Protection. The sessions address stormwater program management and green infrastructure. The webcasts presented will be based on the interest of Stormwater Coalition members. A minimum number of registrants may be required. There is no cost to attend, but you must register as space is limited. See descriptions below for dates and locations. For more information, contact TMACOG Water Quality Planner Kari Gerwin at 419.241.9155 ext. 103 or [gerwin@tmacog.org](mailto:gerwin@tmacog.org).

### Stormwater Contaminants of Emerging Concern

**March 24, 2017, 1-2:30 PM – Note this is a FRIDAY**

**Location: City of Toledo Engineering Services – 600 Jefferson Ave. Suite 300**

Newly recognized contaminants of emerging concern (CECs) include a broad list of synthetic or naturally occurring chemicals (e.g., pharmaceuticals, synthetic fragrances, detergents, disinfectants, plasticizers, preservatives) or any microorganisms that have the potential to cause adverse ecological and/or human health effects. Advances in our ability to detect and study CECs in the environment have shown that they are widespread throughout the aquatic ecosystem, and some studies are showing adverse impacts to aquatic organisms and public health. While a major source of CECs is POWT discharges, illicit discharges containing sewage into the municipal separate sewer system is a major pathway for CECs to be delivered to urban and suburban stream systems. Illicit discharge detection and elimination (IDDE) systems have the potential to be effective tools to mitigate the effect of CECs on the environment. This webcast focuses on CECs and the potential for IDDE programs to reduce their impacts.

### Nutrient Trading

**May 17, 2017, 1-2:30 PM**

**Location: City of Toledo Engineering Services – 600 Jefferson Ave. Suite 300**

Nutrient credit trading offers both risks and opportunities for meeting total maximum daily load (TMDL) nutrient reduction targets. Some states have established nutrient trading or offset programs, with most current trades involving wastewater treatment plants and limited involvement from the stormwater sector. In this webcast, we will look at the increasing exploration of nutrient trading, review case studies of trading programs, and discuss the future of nutrient trading in meeting pollution reduction regulations.

### Making Urban Tress Count

**June 21, 2017, 1-2:30 PM**

**Location: City of Toledo Engineering Services – 600 Jefferson Ave. Suite 300**

The water quality benefits of forests are widely accepted, yet very few studies have successfully quantified the runoff and pollutant-reducing impacts of trees in the urban landscape. Using everything from individual street trees up to small patches of forest as a stormwater best management practice (BMP) is hampered by this uncertainty of how to "credit" urban trees for runoff and pollutant load reduction. This webcast will review the available stormwater crediting systems for urban tree planting and will present a new crediting system that includes a design specification for urban tree planting that can be integrated into state and local compliance systems for stormwater management, TMDLs and other water quality requirements. **See reverse for more webcast dates**

## **Stream Restoration: Where are we now?**

**September 13, 2017, 1-2:30 PM**

**Location: City of Toledo Engineering Services – 600 Jefferson Ave. Suite 300**

Stream restoration has been used for many years for various objectives, including pollutant reduction requirements for TMDL compliance. But the use of stream restoration practices to effectively achieve required nutrient and sediment reductions has been a topic of debate in the scientific community. Recent efforts by an advisory panel to the Chesapeake Bay Program reviewed the latest available science to quantify the various benefits of stream restoration and develop a methodology to document that stream restoration projects are helping them to meet their TMDL targets. In this webcast we will examine the expert panel recommendations and discuss the role of stream restoration in meeting water quality goals and also discuss the results of WERF's National Stream Restoration as a BMP Guidance.

## **Bringing Better Site Design into the 21st Century**

**October 18, 2017, 1-2:30 PM**

**Location: City of Toledo Engineering Services – 600 Jefferson Ave. Suite 300**

Published in 1998 as a consensus-based process for changing development regulations, the Center's Better Site Design Handbook outlines 22 model development principles for site design that act to reduce impervious cover, conserve open space, manage stormwater at new residential and commercial development sites; and reduce the overall cost of development. Much has happened in the world of stormwater and site planning in the 18 years since the release of the handbook, including technical and regulatory advances that have changed how stormwater is managed and sites are developed. To respond this need, the Center recently revised the handbook and related support products to reflect the latest in stormwater management technology and regulations such as MS4 permits, provide different versions of the COW for different site situations, update the supporting research, case studies, model code/ordinance library and more!

## **Modeling for Water Quality**

**November 15, 2017, 1-2:30 PM**

**Location: City of Toledo Engineering Services – 600 Jefferson Ave. Suite 300**

Modeling is frequently used in watershed and stormwater planning to help build understanding of a problem or calculate possible changes over time when monitoring is not an option. Modeling can also be used to compare courses of action to determine effective strategies for addressing a problem and the potential cost for each strategy. Non-point source modeling tools are an important tool in estimating compliance with TMDL allocations and developing an overall watershed plan to meet water quality. In this webcast we will look at several tools for estimating pollutant loads, discuss the possible applications, and look at case studies to illustrate how a model was employed to achieve the desired goals.

## **Parking Instructions for City of Toledo Engineering Services - 600 Jefferson Ave. Suite 300, Toledo**

Engineering Services is located at the corner of Huron & Jefferson. Engineering Services can validate parking for the webcast participants that park at the Kwik Park parking garage located on Erie and Jefferson (see map for specific lot). You must take a ticket when parking. Please bring that in with you and it will be validated after the webcast.

