

# 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 2019

TMACOG’s Stormwater Coalition will host a series of webcasts in 2019 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 Associate Tatiana Burkett at 419.241.9155 or [burkett@tmacog.org](mailto:burkett@tmacog.org).

### Nutrient Trading

**April 3, 2019, 1-2:30 PM**

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

Nutrient trading is a tool that offers both risks and opportunities for meeting Total Maximum Daily Loads (TMDLs), the pollution limits established in certain waterways. Trading allows dischargers that have exceeded their nutrient discharge reduction goals to sell their excess reductions as credits to other dischargers. Some states have established nutrient trading or offset programs, with varying degrees of participation. 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.

### Regional Water Update

**May 22, 2019, 1-2:30 PM**

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

Experts working in different regions of the country will sound off, presenting their perspective on the state of their unique watersheds and the major challenges for the next three to five years. Each speaker will provide their unique federal, state, local, and/or private sector views, providing thoughts on how best to meet the challenges and opportunities for their region.

### Tree Crediting for Stormwater

**June 19, 2019, 1-2:30 PM**

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

The water quality benefits of trees have been documented, but we are still working on quantifying the runoff and pollutant-reducing impacts of trees as a stormwater best management practice (BMP). Part of this uncertainty is how to “credit” urban trees for runoff and pollutant load reduction. This webcast will review the recent Center for Watershed Protection stormwater crediting system documentation for urban tree planting and 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**

## **Stormwater Practice Design, Installation and Maintenance**

**September 18, 2019, 1-2:30 PM**

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

The science of stormwater management is constantly evolving and integrating new and innovative practices is an ongoing process by designers and construction contractors. This webcast will explore available resources for good stormwater design and discuss how to be flexible in the field while meeting multiple objectives. Long-term maintenance can also make or break the performance of a practice. Learn from maintenance expert's ways to rapidly conduct maintenance inspections and needed maintenance tasks. The emphasis of this webcast will be on low-impact development and green infrastructure practices.

## **Monitoring for Stream Restoration and Green Infrastructure Practices**

**October 16, 2019, 1-2:30 PM**

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

After a practice is installed, monitoring of the practice is necessary to assess their effectiveness and evaluate their pollutant removal efficiencies. Specific numeric goals in TMDL's and other regulations mean that documenting real-world performance has taken on an important role in the daily functions of the stormwater and watershed professional. In this webcast we will look how some communities have responded to the increased need to document BMP performance and present case studies of monitoring design and results.

## **Salt & Stormwater – The Salinization of Our Watersheds**

**November 20, 2019, 1-2:30 PM**

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

The increase in sodium and chloride concentrations in fresh water in the United States is a major cause for concern. Salinization is degrading habitat for aquatic organisms and impacting large supplies of drinking water throughout the country. Research has found chloride concentrations of up to 25% of the concentration of seawater in streams of Maryland, New York, and New Hampshire during winters, and chloride concentrations remaining up to 100 times greater than unimpacted forest streams during summers. This webcast will look at some of the latest research on sodium and chlorides and explore ways to reduce its impact on our local aquatic ecosystems

## **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.

