

# Euclid Creek Watershed Program

October 8, 2020 ECWC Update



## Euclid Creek Watershed Program Partnership

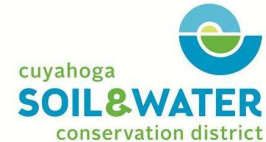
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### EUCLID CREEK WATERSHED COUNCIL

BEACHWOOD • CLEVELAND • EUCLID

HIGHLAND HEIGHTS • LYNDHURST • MAYFIELD

MAYFIELD HEIGHTS • RICHMOND HEIGHTS • SOUTH EUCLID



Elizabeth Hiser

Watershed Program Manager

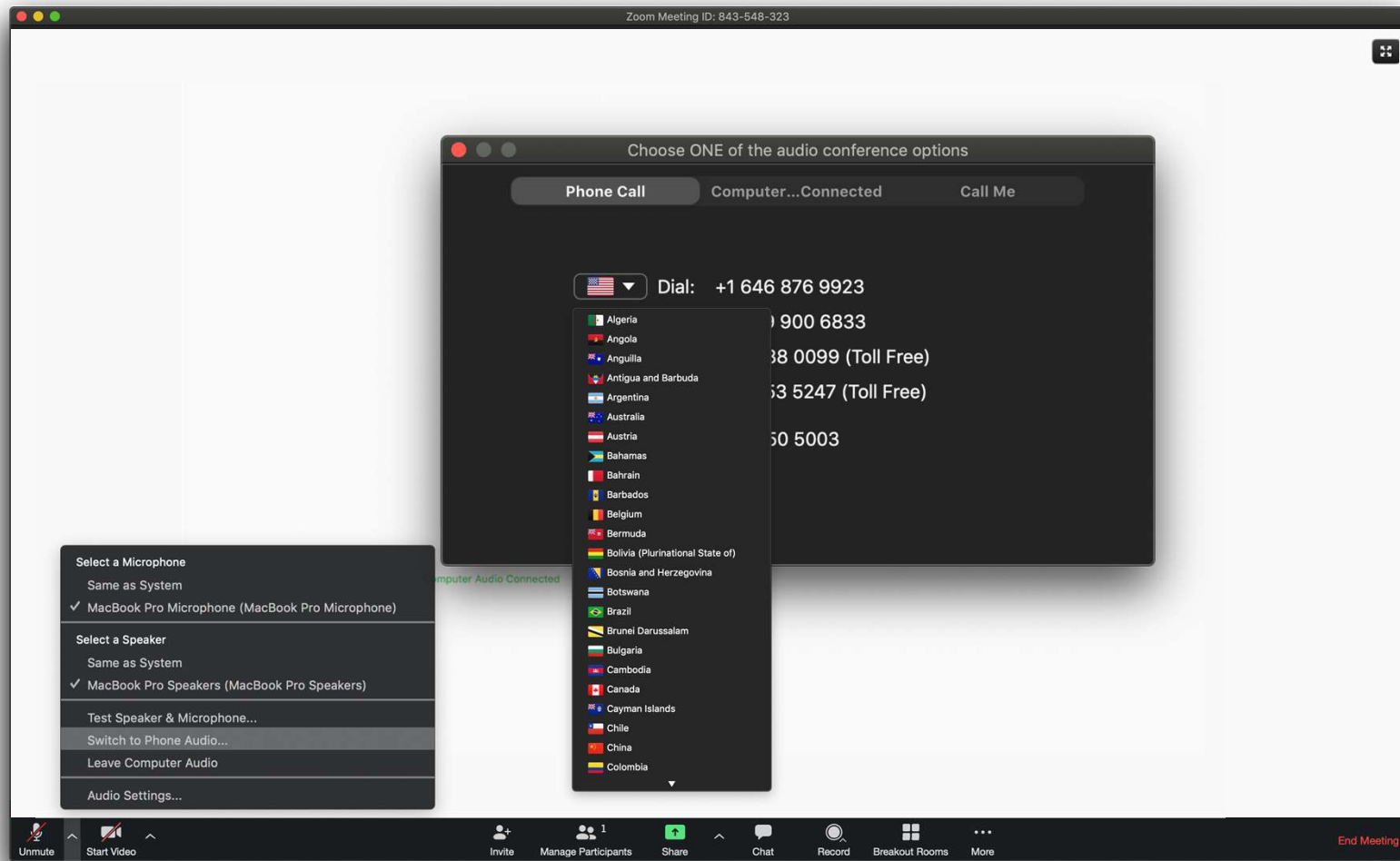
Cuyahoga Soil & Water Conservation District

# Zoom Meetings

## Housekeeping Slides

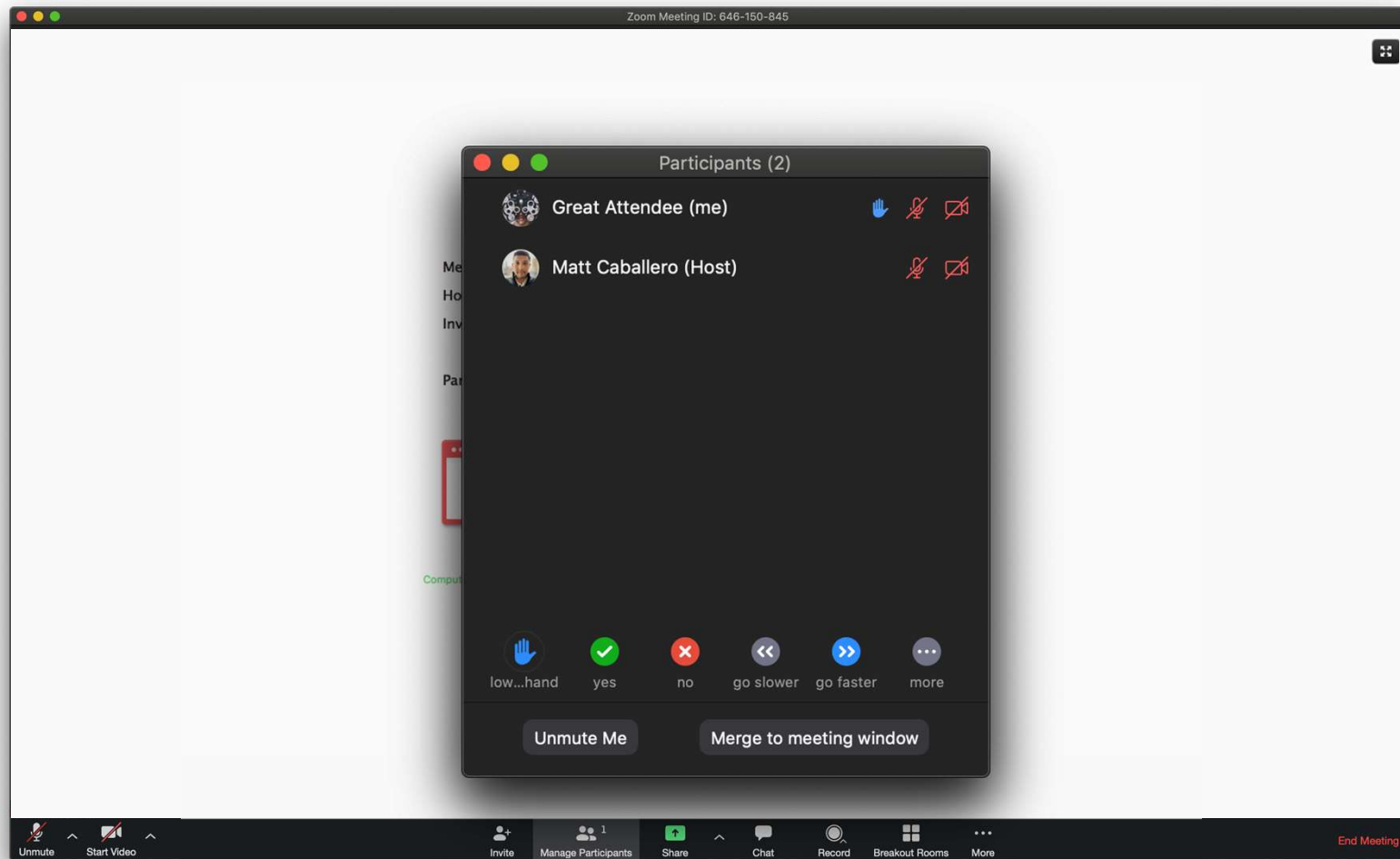
- **Adjust audio settings**
- **Switch to telephone audio**
- **View participants, raise hand, vote**
- **Chat**





Housekeeping – Zoom Meeting viewer interaction

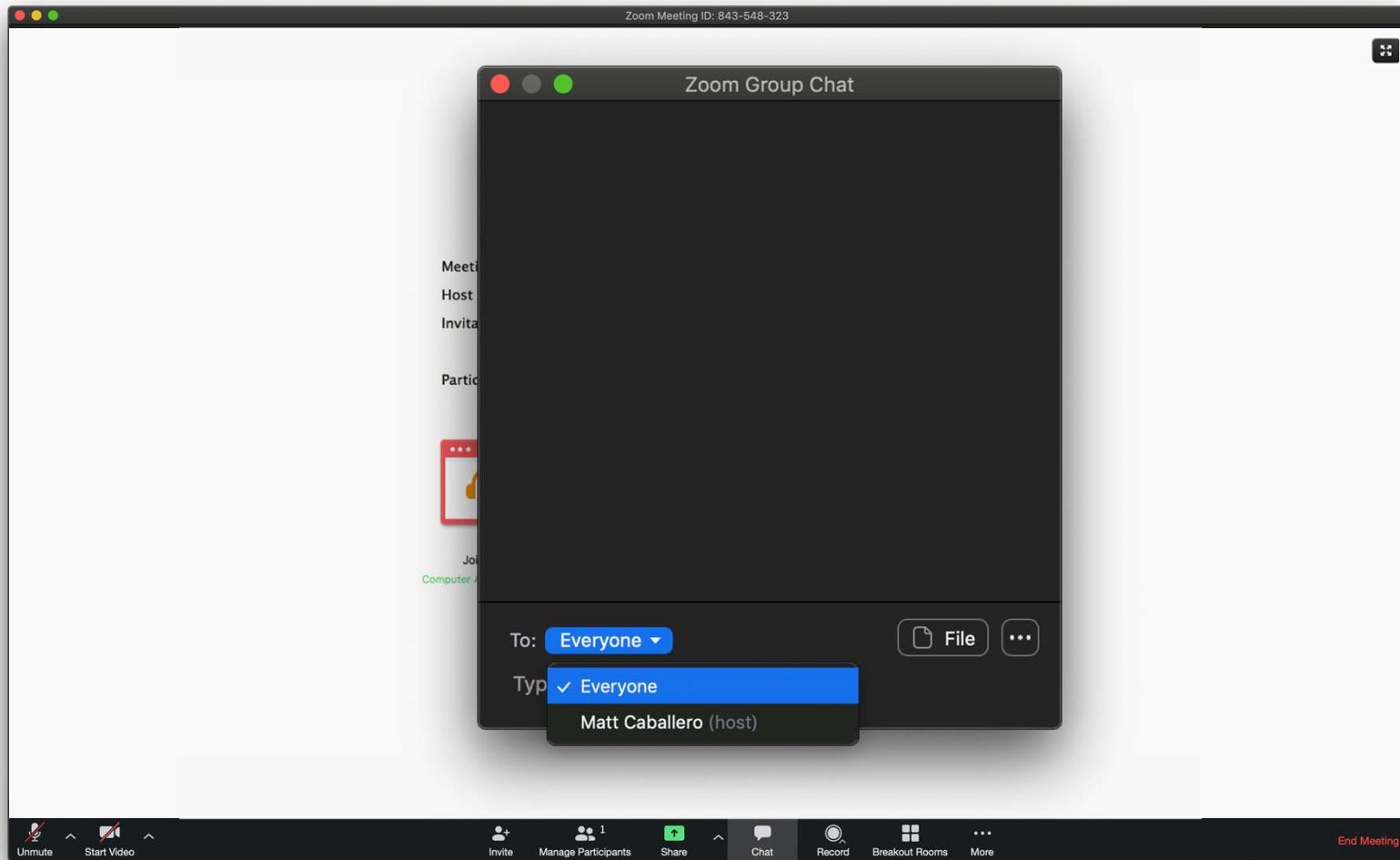




Housekeeping – Zoom Meeting viewer interaction

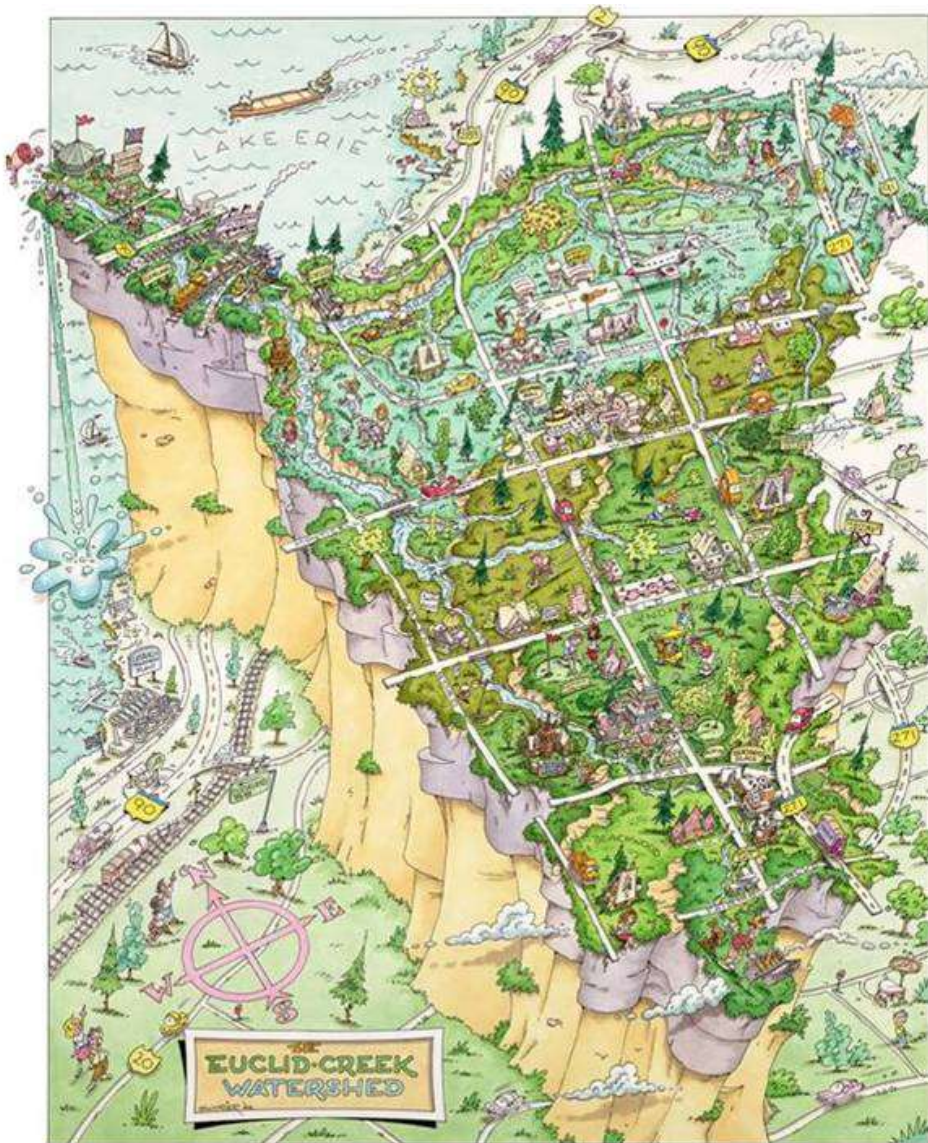






Housekeeping – Zoom Meeting viewer interaction



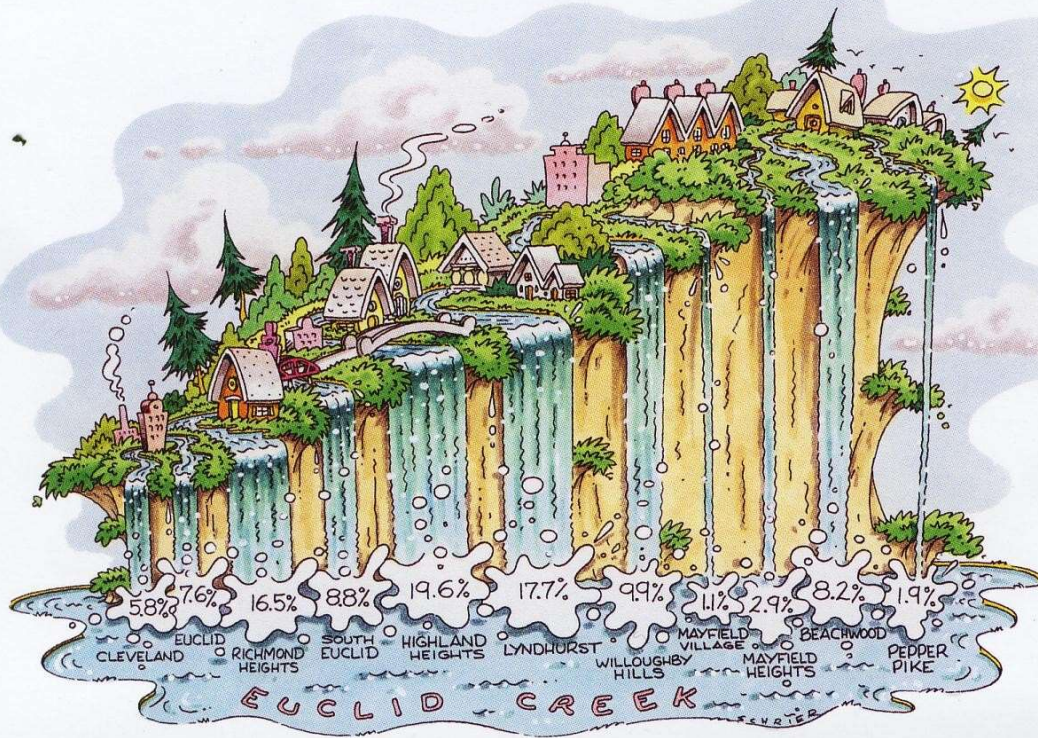


## Icebreaker & Agenda

- Most common watershed or stormwater inquiry you receive from residents
- Welcome, Zoom Overview, Icebreaker, Consent Agenda Summary, Start Meeting
- Proposal to approve April 2020 Minutes, 2020 Work Plan Updates: Council Action
- SWCD ECWP Updates
- Ohio EPA MS4 Permit Update Discussion
- Additional Business from Watershed Council members
- Schedule Virtual “Summit” Mid-December for ECWP Partner Updates
- Adjourn Meeting



## Consent Agenda



These items will be presented to council in a single motion for an up or down vote after allowing anyone to request that a specific item be moved to the full agenda for individual attention. Other items, particularly those requiring strategic thought, decision making or action, are handled as usual.

Approval of the April 2020 Minutes,  
Approval of the 2020 Work Plan and  
PIPE program Update



# Proposal to Approve Minutes, Work Plan Updates

CITY OF  
*Beachwood*



MAYFIELD  
VILLAGE



south  euclid

COME TOGETHER & THRIVE

# Euclid Creek Watershed Program

## SWCD Updates

### Goals:

- To improve the health of the environment in the Euclid Creek Watershed.
- To participate, as public officials and stakeholders, in the implementation of the Euclid Creek Watershed Action Plan.

### Missions:

- To address common environmental, stormwater and development concerns in the Euclid Creek Watershed.
- To raise awareness about and preserve the natural features of the Euclid Creek Watershed.
- Implement programs and practices that protect and restore healthy soil and water resources.





# Euclid Creek Watershed Program

## *Memorandum of Understanding (MOU)*

The MOU between the Euclid Creek Watershed Council  
communities and Cuyahoga SWCD



- Funding Years 2003-2008: \$2,500 / community
- Funding Years 2009-2016: \$5,500 / community
- Funding Years 2017-2020: \$3,000 / community for watershed services
  - Watershed Program is a reimbursable cost through Highland Heights / NEORSD Stormwater Program Community Cost Share
- Funding Years 2017-2020: \$5,500 / community for PIPE
  - NEORSD reimburses this cost to Highland Heights if using CSWCD for program services
- Proposed Watershed MOU for 2021-2024 \$3,000 / community per year for watershed services

# Euclid Creek Watershed Program

NEORSD 2021 Watershed Program Service Application

\$40,000



- Continue Watershed MOU for 2021 with CRWP and FOEC
- Letters of Support Requested
  - ES1: Watershed Education & Outreach including landowner technical assistance
  - ES2: Green infrastructure, conservation, and restoration site inspections and maintenance
  - ES3: Volunteer water quality monitoring program
  - ES4: Watershed Planning and Grant Administration
  - ES5: Friends of Euclid Creek (FOEC) Education & Outreach Programs and Materials



# Watershed Services – Grant Assistance & Management

**Northeast Ohio Regional Sewer District (NEORSD) Service Agreement - \$40,000**



**Western Reserve Land Conservancy and Dominion 2019 Watershed Mini Grant Program - \$3,000**



Western Reserve  
Land Conservancy



**Dominion®**

**Ohio Lake Erie Commission, Great Lake Restoration Initiative Grant - \$374,865**



**Ohio**

**Lake Erie  
Commission**



# Mayfield Campus Grant





# Dusty Goldenrod Grant





# Richmond Heights Swale Retrofit



# Watershed Services – Grant Assistance & Management

**William Bingham Foundation Grant - \$35,000**



**USFS GLRI Grant - \$215,933**



**Western Reserve Land Conservancy and  
Dominion 2020 Watershed Mini Grant  
Program - \$2,500 SWCD, \$1,500 FOEC**



Western Reserve  
Land Conservancy

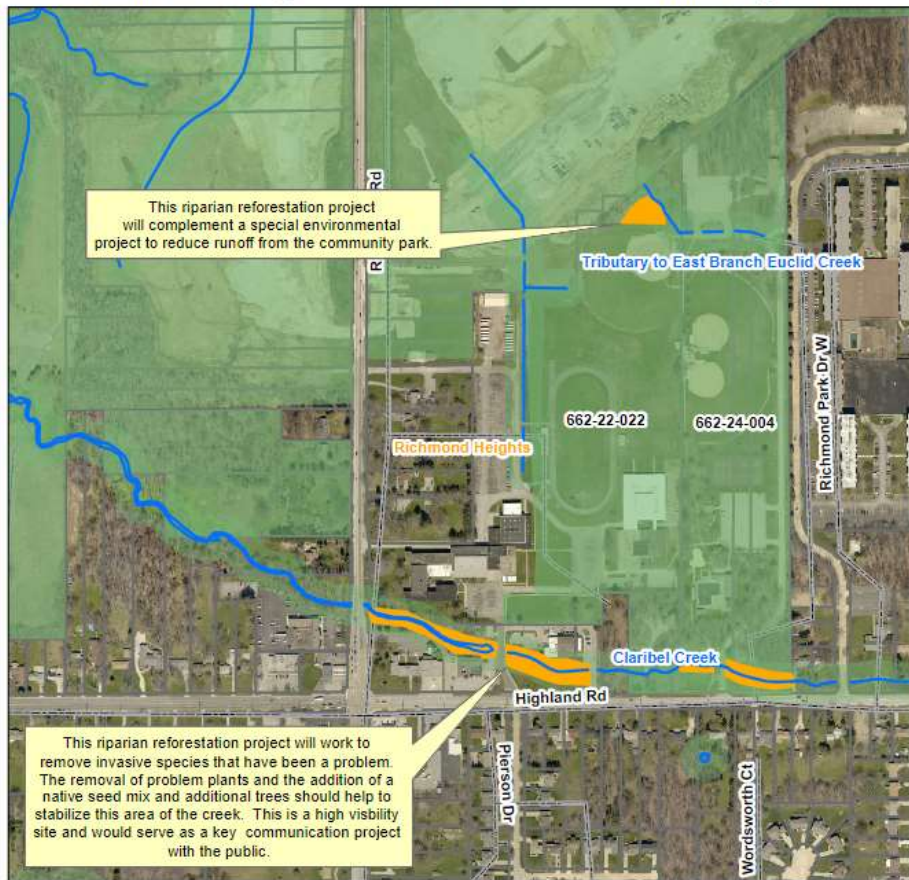


**Dominion®**

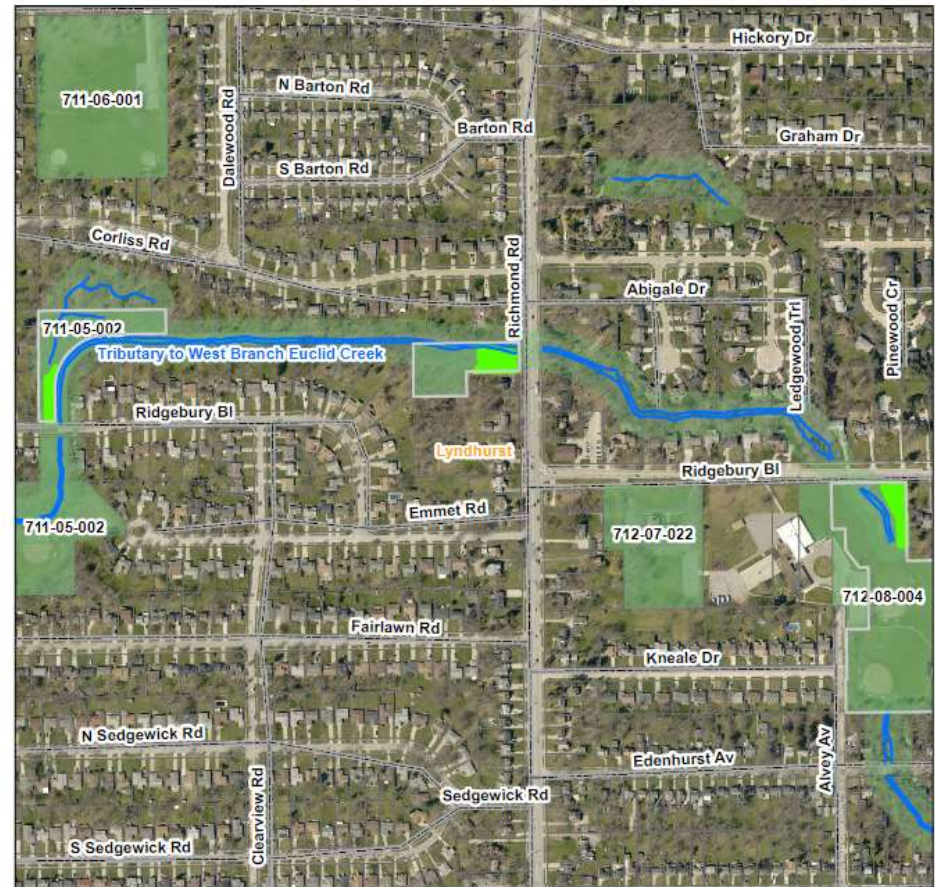


# USFS GLRI

Euclid Creek Watershed - HUC 12 (04110003 05 03)  
Richmond Heights - Claribel Creek & Community Park



Euclid Creek Watershed - HUC 12 (04110003 05 03)  
Lyndhurst Public Riparian Spaces





# PIPE Services - Stormwater Involvement and Education



## This Winter, Use the Right S.A.L.T. (Stuff, Amount, Location, Time)

\* Required

Email address \*

Your email

Please select your Use the Right SALT pledge options below. I pledge to... \*

- ☐ Only use rock salt (sodium chloride) above 15 degrees F.
- ☐ Spread only enough salt to do the job - one 12 ounce coffee mug full of salt is enough to effectively de-ice about 10 sidewalk squares.
- ☐ Spread salt only on the surfaces that need to be de-iced, and never on the lawn, at the base of a tree or right next to a stream or storm drain!
- ☐ Only apply salt right before the snow falls or right after snow is removed from my driveway or sidewalk - and never when rain is in the forecast.



If loving a storm drain is wrong, we don't want to be right.



cuyahoga SOIL & WATER conservation district

#lakeeriestartshere  
www.cuyahogawcd.org

## Green Yards and Healthy Homes A Guide to Sustainable Habitats in Northeast Ohio





# PIPE – Stream Cleanups & Conservation





# PIPE – Master Rain Gardener





## PIPE – Pledges



cuyahoga  
**SOIL & WATER**  
conservation district

This Winter, Use the Right S.A.L.T. (Stuff, Amount, Location, Time)

Stow It, Don't Throw It: Pledge to Put Litter In Its Place



### Individual Acts of Conservation

We may be keeping away from each other, but TOGETHER we can still make a difference for our local soil, water, wildlife and neighborhoods.

Individually, you can pick up litter in your neighborhood or nearby stream. But TOGETHER, we can stop plastic pollution in Lake Erie.

**Euclid Creek Watershed  
Champion**



Protecting Euclid Creek  
One Yard at a Time



## Technical Committee

- Interest in Fall Virtual Programming?
  - Proposed MS4 Updates
  - Riparian Setbacks and Managing Them
  - SCM Inspection and Maintenance
  - Tree Planting and Care
  - Good Housekeeping



# Proposed Ohio EPA MS4 Permit Updates

Draft NPDES Permit No.: OHQ000004

NPDES Permit No.: OHQ000004  
Page 1 of 44

Ohio Environmental Protection Agency

Fact Sheet for

National Pollutant Discharge Elimination System (NPDES)

## Six Minimum Control Measures



Public Education & Outreach



Public Involvement & Participation



Illicit Discharge Detection & Elimination



Construction Site Runoff Control



Post-Construction Storm Water Management



Pollution Prevention / Good Housekeeping

DRAFT SUBJECT TO CHANGE

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NPDES Permit No.: OHQ000004

Issuance Date:  
Effective Date:  
Expiration Date:

OHIO ENVIRONMENTAL PROTECTION AGENCY

### AUTHORIZATION FOR SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS TO DISCHARGE STORM WATER UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq. hereafter referred to as "the Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Chapter 6111), dischargers of storm water from Small Municipal Separate Storm Sewer Systems, as defined in Part VI of this permit, are authorized by the Ohio Environmental Protection Agency, hereafter referred to as "Ohio EPA," to discharge from the outfalls and to the receiving surface waters of the state identified in their Notices of Intent (NOI) Application form on file with Ohio EPA in accordance with the conditions specified in this permit. **This permit includes all required permit terms and conditions in the general permit and has been issued under the Comprehensive General Permit approach in accordance with Ohio Administrative Code (OAC) 3745-38-02(B)(4)(a).**

It has been determined that a lowering of water quality of various waters of the state associated with granting coverage under this permit is necessary to accommodate important social and economic development in the state of Ohio. In accordance with OAC 3745-1-05, this decision was reached only after examining a series of technical alternatives, reviewing social and economic issues related to the degradation, and considering all public and intergovernmental comments received concerning the proposal.

Granting of **general** permit coverage is conditioned upon **payment of applicable fees**, submittal of a complete NOI Application in accordance with Part I.D of this permit and written approval of coverage from the director of Ohio EPA **in accordance with OAC 3745-38-02(E).**

# Proposed Ohio EPA MS4 Permit Updates



Public Education & Outreach

## TMDL Performance Standard

If your small MS4 discharges to a watershed with a U.S. EPA approved TMDL, your storm water public education and outreach program shall, at a minimum, include **two storm water themes or messages targeting each TMDL pollutant identified** for your small MS4.

Minimum = 5 messages over permit term

\*New - reporting on number reached in jurisdiction versus number reached



# Proposed Ohio EPA MS4 Permit Updates



Public Involvement & Participation

## TMDL Performance Standard

If your MS4 discharges to a watershed with a USEPA approved TMDL, your storm water public involvement/participation program shall, at a minimum, include **two public involvement/participation activities targeting each TMDL pollutant identified** for your small MS4.

Minimum = 5 involvement activities over permit term

\*New - reporting on number reached in jurisdiction versus number reached

# Proposed Ohio EPA MS4 Permit Updates



Illicit Discharge Detection & Elimination

- TMDL Performance Standard
- TMDLs identified for your small MS4:
  - Nutrients (Includes Phosphorus, Nitrogen and Ammonia);
  - E. coli
  - Bacteria; or
  - Dissolved Oxygen and Organic Enrichment
- Your illicit discharge detection and elimination program shall include the following performance standards:
  - 1. **annual employee training which includes IDEE topic(s);** and
  - 2. water quality testing of **all observed dry-weather flows, unless source is known**
- **\*New emphasis on salt storage ordinance requirements**
- **Must inspect 100% of outfalls annually or max of 1,000**
- **Annual update to storm system sewer map**



# Proposed Ohio EPA MS4 Permit Updates



Construction Site Runoff  
Control

## TMDL Performance Standard

### TMDL in your small MS4:

- Total Suspended Solids
- Nutrients

- a. At a minimum, applicable construction sites which have the following compliance issues shall **be inspected once every 14 calendar days instead of on a monthly basis:**
1. Construction activities have started at the site with no SWP3 completed;
  2. Failure to install sediment basin(s) when the SWP3 and/or site drainage clearly indicate as a first step (within 7 days prior to grading and within 7 days of grubbing);
  3. Failure to implement any sediment/erosion controls; or
  4. Dewatering activities resulting in turbid discharges.

Your inspections can be returned to a monthly basis for the construction site once compliance with the above compliance issues have been addressed and verified.



# Proposed Ohio EPA MS4 Permit Updates



TMDL Performance Standard

TMDLs:

- Total Suspended Solids
- Nutrients

**provide an educational opportunity to contractors, SWP3 designers, and/or employees on OHC000005 Table 4b practices and/or other green infrastructure practices.**

**In addition, your program shall include, at a minimum, one of the following performance standards:**

- a. Retrofit an existing peak-discharging storm water practice;
- b. Perform restoration of a channelized stream where natural channel stability and floodplain restoration will reduce stream erosion; or
- c. Update facility design requirements to require OHC000005 Table 4b practices where feasible.

\*added provision for SCM ownership changes, additional emphasis on correct installation and enforcement actions, moved to minimum of one inspection per permit cycle, SCM type needs to be included in mapping



# Proposed Ohio EPA MS4 Permit Updates

TMDL Performance Standard:

- Total Suspended Solids
- Nutrients
- E. coli
- Bacteria;
- Metals; or
- Dissolved Oxygen and Organic Enrichment



Pollution Prevention / Good Housekeeping

program shall **include, at a minimum, one of the following performance standards:**

1. Develop and implement a proactive street sweeping program. document debris collected in order to prioritize areas to sweep and/or document lane miles swept. At a minimum, sweeping shall occur on curbed streets four times per year; or
2. Develop and implement a proactive catch basin cleaning program. document debris collected in order to prioritize areas to clean. At a minimum, catch basins shall be cleaned whenever material deposited in the bottom of the basin reaches a height greater than one-third of the depth from the basin bottom to the lowest opening into or out of the catch basin; or
3. Develop and implement a leaf/yard waste collection program



# Additional Business



## Euclid Creek Watershed Program Partnership

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HIGHLAND HEIGHTS • LYNDHURST • MAYFIELD

MAYFIELD HEIGHTS • RICHMOND HEIGHTS • SOUTH EUCLID



Virtual Summit?



## Euclid Creek Watershed Program Partnership

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MAYFIELD HEIGHTS • RICHMOND HEIGHTS • SOUTH EUCLID





# Questions:

Elizabeth Hiser

Watershed Program Manager

Cuyahoga Soil & Water Conservation District

216-524-6580 x1002

Email: [ehiser@cuyahogaswcd.org](mailto:ehiser@cuyahogaswcd.org)

Website: [www.EuclidCreekWatershed.org](http://www.EuclidCreekWatershed.org)

# Thank You!

## EUCLID CREEK WATERSHED COUNCIL

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HIGHLAND HEIGHTS • LYNDHURST • MAYFIELD  
MAYFIELD HEIGHTS • RICHMOND HEIGHTS • SOUTH EUCLID

