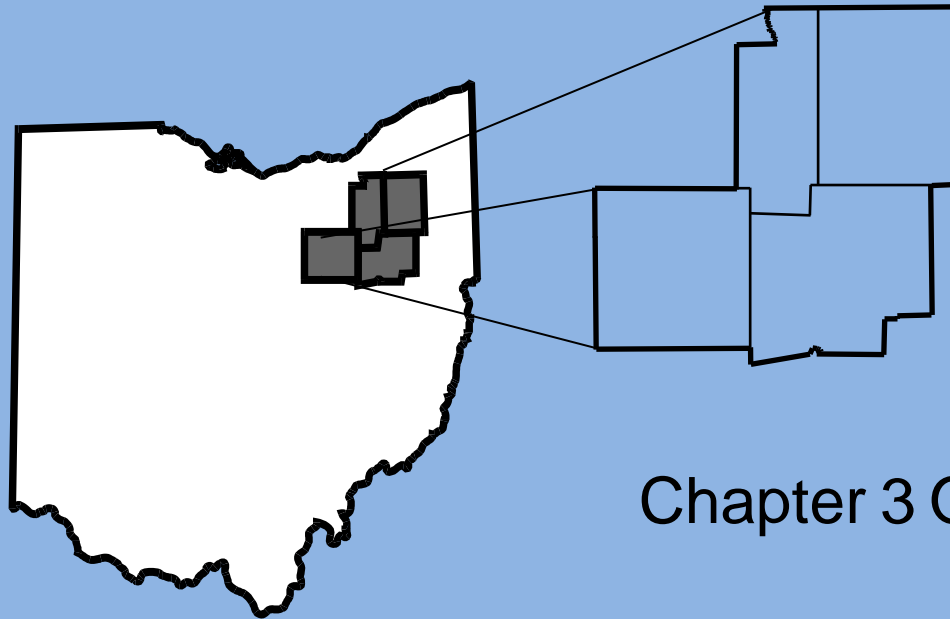


# NEFCO Clean Water Plan



## Chapter 3 Overview

Northeast Ohio Four County Regional  
Planning and Development Organization

March 2015

# NEFCO Clean Water Plan



# Background:

## Mid to late 1970s

### NEFCO Activities as an Areawide Planning Agency

- Role: water quality management plan (WQMP)  
→ Clean Water Plan
- Review Step 1 grant applications
- NEFCO Board approval
- Required for local govts. to receive funding from USEPA through Ohio EPA

- NEFCO's first Clean Water Plan approved by USEPA in 1981
- Early 1980s, President Reagan and Congress cuts back/eliminates many federal programs
- USEPA grants program for wastewater converted to a loan program
- Reduced interest in WQMPs by State & local govts.

## 1990s

Central Ohio court cases:

- renewed interest & focus by Ohio EPA  
in water quality management plans (208 plans)
- NOACA and NEFCO submit joint grant application  
to USEPA for 208 plan update
- Available USEPA funds restricted to Lake Erie Basin

- NOACA accepts grant
- subcontracts with NEFCO for Lake Erie portion of NEFCO planning area
- NEFCO starts Lake Erie Basin Clean Water Plan update
  - First plan update since 1981

- Joint Committee of NOACA/NEFCO reps guides process
- NOACA & NEFCO Boards approve Lake Erie Basin 208 Plan updates
- NEFCO initiates Ohio River Basin update (2001)

- Used lessons learned in Lake Erie Basin to complete update process faster
- NEFCO philosophy: 1 Plan, 2 Basins
- Lake Erie Basin plan certified by Ohio (2003)
- Ohio River Basin plan certified by Ohio (2005)
- NEFCO combined basin 208 plans into one document (2010)



## Key to updates: NEFCO's working relationship with Designated Management Agencies (Management Agencies)

- Primary DMA – owns/operates WWTP
- Secondary DMA – builds, operates, maintains sewers

→see Tables 3-1; 3-2

**Table 3-1: NEFCO Region Primary Designated Management Agencies\***

<b><u>Portage County</u></b>	<b><u>Summit County</u></b>
City of Aurora	City of Akron
City of Kent	City of Barberton
City of Ravenna	City of Twinsburg
Village of Garrettsville	NEORS
Village of Hiram	Summit County
Village of Mantua	
Village of Windham	<b><u>Wayne County</u></b>
Portage County	City of Orrville
	City of Rittman
<b><u>Stark County</u></b>	City of Wooster
City of Alliance	Village of Apple Creek
City of Canal Fulton	Village of Creston
City of Canton	Village of Dalton
City of Louisville	Village of Doylestown
City of Massillon	Village of Fredericksburg
Village of Beach City	Village of Marshallville
Village of Brewster	Village of Mount Eaton
Village of Hartville	Village of Shreve
Village of Minerva	Village of Smithville
Village of Navarre	Village of West Salem
Stark County	Wayne County
Tuscarawas County	Holmes County

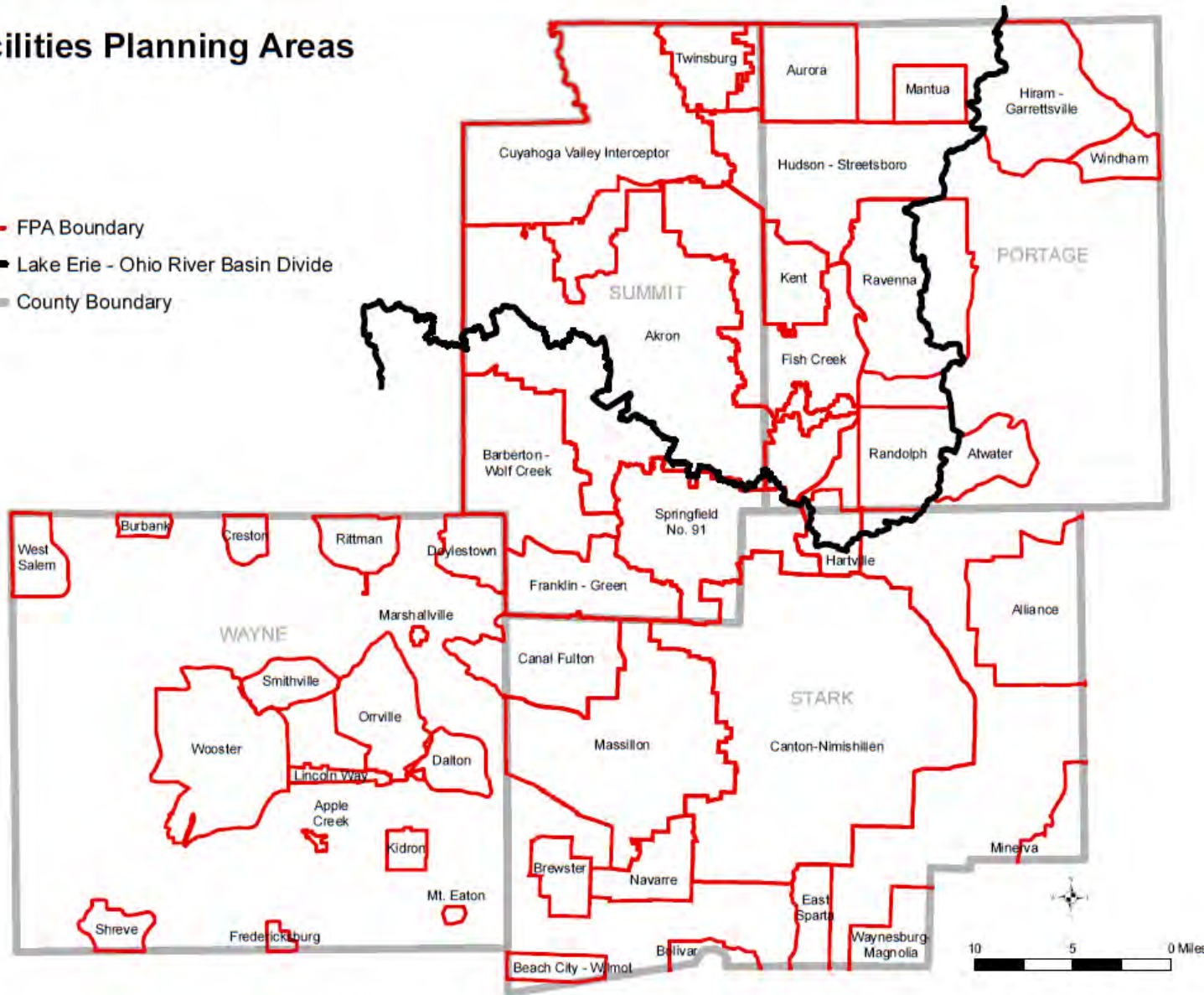
\*A Primary DMA is the county or municipality that owns the central wastewater treatment plant.

Table 3-2  
 Incorporated Units of Government and Associated Primary and Secondary  
 Designated Management Agencies (DMA) for wastewater management planning

Local Government	County	Facilities Planning Area	Primary Designated Management Agency (DMA)(s) <sup>1</sup>		Secondary Designated Management Agency (DMA) <sup>2</sup>
			DMA	Destination of Wastewater	
City of Aurora	Portage	Aurora	City of Aurora	Aurora WWTP, Aurora Shores WWTP	City of Aurora
City of Kent	Portage	Kent, Fish Creek	City of Kent, PCRSD	Kent WWTP, Franklin Hills WWTP	PCRSD
City of Ravenna	Portage	Ravenna	City of Ravenna	Ravenna WWTP	City of Ravenna, PCRSD
City of Streetsboro	Portage	Hudson-Streetsboro, Kent	PCRSD, City of Kent	Streetsboro Regional WWTP, Twin Lakes WWTP	SSSD4, PCRSD
Village of Brady Lake	Portage	Fish Creek	PCRSD	Franklin Hills WWTP	PCRSD
Village of Garrettsville	Portage	Hiram-Garrettsville	Garrettsville	Garrettsville WWTP	PCRSD
Village of Hiram	Portage	Hiram-Garrettsville	Hiram	Hiram WWTP	PCRSD
Village of Mantua	Portage	Mantua	Village of Mantua, PCRSD	Mantua WWTP	PCRSD, Village of Mantua
Village of Sugar Bush Knolls	Portage	Kent	City of Kent, PCRSD	Twin Lakes WWTP	PCRSD
Village of Windham	Portage	Windham	Village of Windham, PCRSD	Windham WWTP	PCRSD
City of Alliance	Stark	Alliance	City of Alliance	City of Alliance WWTP	SCMSD
City of Canal Fulton	Stark	Canal Fulton	City of Canal Fulton	Canal Fulton WWTP	StCMSD, <u>WCOES</u>
City of Canton	Stark	Canton	City of Canton	City of Canton WRF	StCMSD, <u>SCMSD</u>
City of Louisville	Stark	Canton	City of Louisville	City of Louisville WWTP	StCMSD
City of Massillon	Stark	Massillon	Massillon	Massillon WWTP	StCMSD
City of North Canton	Stark	Canton	City of Canton	City of Canton WRF	City of North Canton

# Facilities Planning Areas

- FPA Boundary
- Lake Erie - Ohio River Basin Divide
- County Boundary



- Each NEFCO County is a Countywide Sewer District
  - these counties act as wastewater planning agency for:
    - service areas of plants they own/operate
    - all unincorporated areas in county
    - incorporated areas where they have service agreements

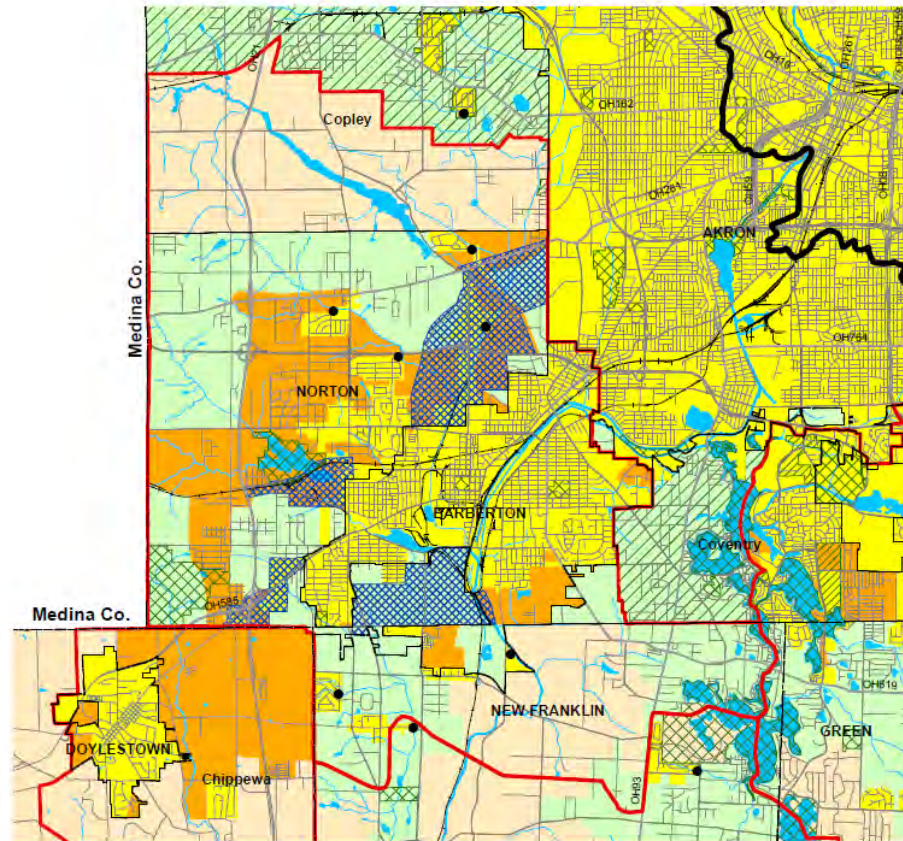
## Update Information Requested DMAs (map color):

- Currently served by sanitary sewers (yellow)
- Sanitary sewers within 20 years (orange)
- To be served with publicly-owned treatment works or home sewage treatment systems & semi-public sewage disposal systems (green)

- To be served by nondischarging systems (cream)
- Areas with no wastewater treatment planning prescription (white)
- Examples

# Barberton-Wolf Creek Facilities Planning Area

## 208 Clean Water Plan



- Areas Currently Served with Sanitary Sewers
- Areas Expected to be Served with Sanitary Sewers within the Next 20 years
- Areas that will be served by On-site Non-Discharging Systems
- Areas that will be served by POTW or by On-site Nondischarging Systems
- Akron Joint Economic Development District Contract Areas
- Barberton-Norton Joint Economic Development District
- Parks and Natural Areas
- Lakes and Ponds
- FPA Boundary
- Basin Divide
- Stream
- Community Boundary
- Highway
- Road
- Publicly Owned Wastewater Treatment Works (POTW)



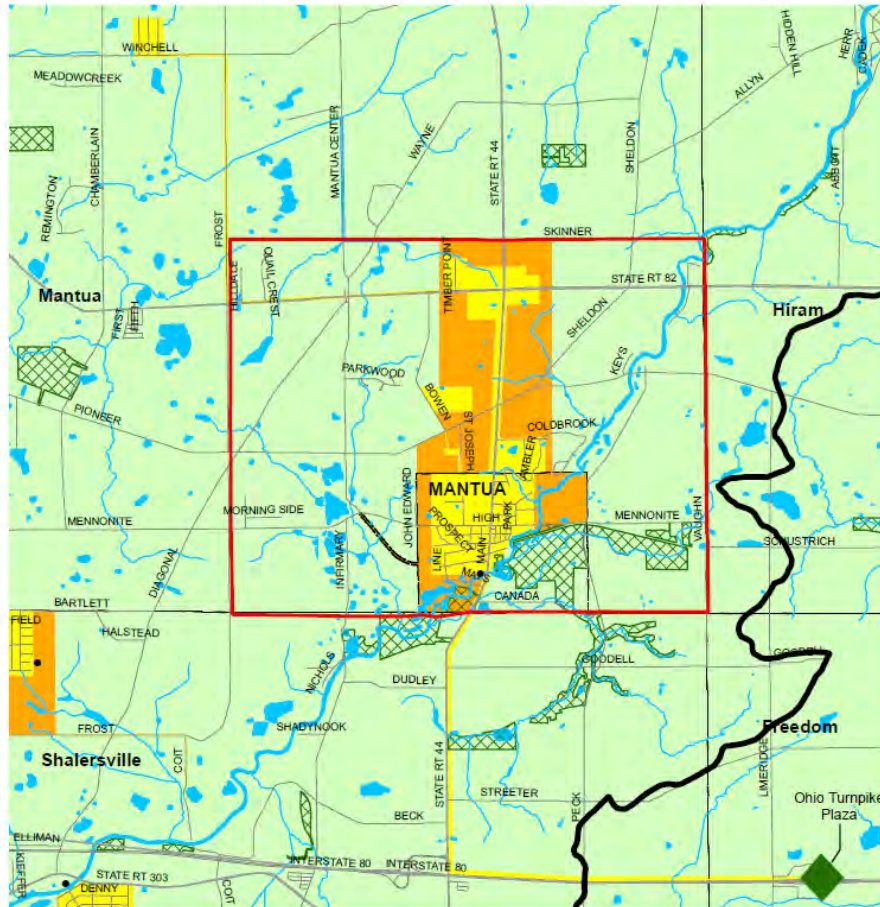
<sup>1</sup> Please see Clean Water Plan text for a complete explanation of the mapping categories.

<sup>2</sup> Please see the FPA Reference Map (figure 3-1a) for names of adjacent FPAs.



# Mantua Facilities Planning Area

## 208 Clean Water Plan



- Areas Currently Served with Sanitary Sewers
- Areas Expected to be Served with Sanitary Sewers within the Next 20 Years
- Areas that will be Served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems
- Parks and Natural Areas
- Lakes and Ponds

- Basin Divide
- FPA Boundary
- Stream
- Community Boundary
- Highway
- Road
- Publicly Owned Wastewater Treatment Works (POTW)

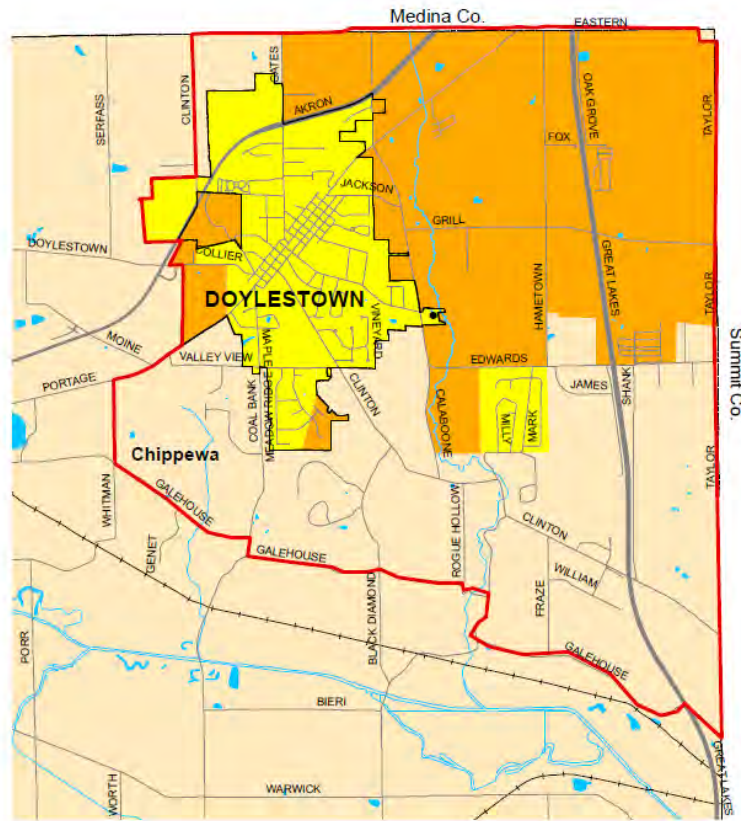
<sup>1</sup> Please see Clean Water Plan text for a complete explanation of the mapping categories.

<sup>2</sup> Please see the FPA Reference Map (figure 3-1a) for names of adjacent FPAs.



# Doylestown Facilities Planning Area

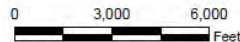
## 208 Clean Water Plan



- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> Areas Currently Served with Sanitary Sewers</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: orange; border: 1px solid black; margin-right: 5px;"></span> Areas Expected to be Served with Sanitary Sewers within the Next 20 Years</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #f5deb3; border: 1px solid black; margin-right: 5px;"></span> Areas that will be Served by Home Sewage and Semi-Public Sewage Disposal Systems</li> <li><span style="display: inline-block; width: 15px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Areas without a Wastewater Treatment Planning Prescription</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: lightblue; margin-right: 5px;"></span> Lakes and Ponds</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid red; margin-right: 5px;"></span> FPA Boundary</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid lightblue; margin-right: 5px;"></span> Stream</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px dashed black; margin-right: 5px;"></span> Community Boundary</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Road</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px dashed black; margin-right: 5px; position: relative; top: -2px;"><span style="position: absolute; top: 5px; left: 5px;">+</span></span> Railroad</li> <li><span style="display: inline-block; width: 0; height: 0; border-left: 5px solid transparent; border-right: 5px solid transparent; border-bottom: 8px solid black; margin-right: 5px;"></span> Publicly Owned Wastewater Treatment Works (POTW)</li> </ul> |
|--|---|

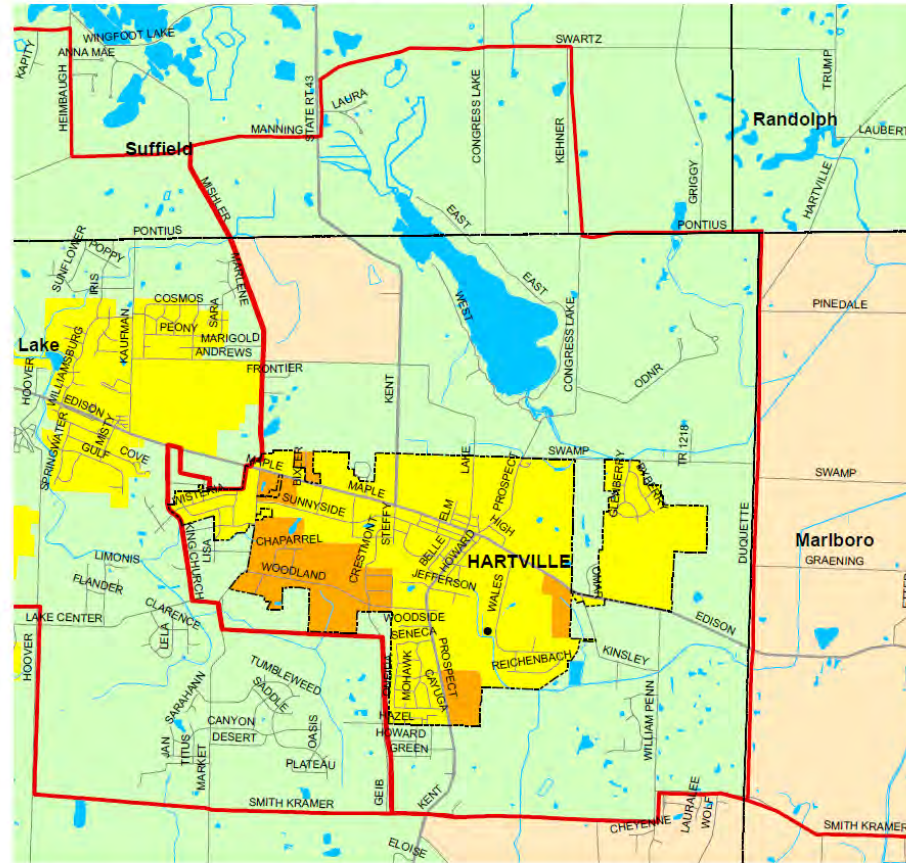
\* Please see Clean Water Plan text for a complete explanation of the mapping categories.

\* Please see the FPA Reference Map (figure 3-1a) for names of adjacent FPAs.



# Hartville Facilities Planning Area

## 208 Clean Water Plan



- Areas Currently Served with Sanitary Sewers
- Areas Expected to be Served with Sanitary Sewers within the Next 20 Years
- Areas that will be Served by Home Sewage and Semi-Public Sewage Disposal Systems
- Areas that will be Served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Road
- Publicly Owned Wastewater Treatment Works (POTW)

\* Please see Clean Water Plan text for a complete explanation of the mapping categories.

\* Please see the FPA Reference Map (figure 3-1a) for names of adjacent FPAs.



# **Policies for Determining Consistency with CWP**

## **Policy 3-1 DMAs and Current FPA Boundaries**

- Some FPAs drawn according to drainage; others drawn according to DMA/County preference

## **Policy 3-2 FPA Boundaries Changes**

- NEFCO Board must approve all changes
- NEFCO Board must approves all new FPAs

## Policy 3-3 Wastewater Prescriptions

- Description of what types of wastewater treatment are allowed in a particular area
- Recommended to be developed by Management agencies with input from local govts.
- Can list/describe treatment options **not** allowed

- Provides opportunity for local governments to manage growth
  - Examples – Where do affected local govts. want sewers?
    - Source Water Protection Zone

→if desired wastewater prescription for an area is individual on-site septic:

- County or city health department must authorize use of septic systems there
- Connection to sanitary sewer when available as per county/city health department or Ohio EPA

'Onsite systems only' treatment prescription can be used  
→ as long as Ohio EPA does not mandate sewers  
due to water quality problem



## Appendices to Chapter 3

- Generalized maps of wastewater prescriptions
  - consistent set of colors/category
  - statement on each map refers reader to specific text in CWP for that FPA
- Sample FPA and text

# Plan Consistency Actions for Ohio EPA and USEPA

# Areawide Population Projections

- Part of the Plan consistency Review Criteria
- NEFCO prepared Board-approved projections for each FPA
- Today data in FPA summaries are out of date
- Board-approved projections by local government contained in Appendix

## **Policy 3-6 Updating and/or revising FPAs of DMAs**

- Addresses how responsibility for sewer planning is established
- Addresses sewer responsibility when annexations occur
- Emphasizes use of Environmental Resources Technical Advisory Committee (ERTAC) and NEFCO staff for dispute resolution...prior to NEFCO Board consideration

## Guidelines for Amending a 201/208 FPA

- Commonly referred to as 208 amendment
- Describes procedures for preparing amendment document
- Follow NEFCO template
- Describes public notification requirements

## **Policy 3-6a Challenges by Local Governments to DMA Decisions**

- Affordability
- Efficiency
- Capacity

→ NEFCO's continuing Planning Process provides a forum for all parties to achieve a consensus

→ If consensus can't be reached....

- ERTAC will hear all viewpoints
- make a recommendation to NEFCO Board

## **Policy 3-6b Transferring Planning Responsibility for an area from one DMA to another DMA**

- Applicant DMA must meet 4 conditions
- Must be approved by NEFCO and Ohio EPA

## **Policy 3-7 New Management Agencies**

- Information submitted to Ohio EPA for review, comment, approval
- Approval required by NEFCO Board



# For more information about NEFCO's Clean Water Plan:

Website: <http://www.nefcoplanning.org/CWP.html>

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