



# Areawide Water Quality Management Plan

## 2020 Update

### INTRODUCTION

The Areawide Water Quality Management Plan, called the 208 Plan from that section of the Clean Water Act, is a major TMACOG policy document created by members working in close cooperation. The plan outlines our region's consensus for managing wastewater and associated infrastructure as well as best management practices (BMPs) for urban stormwater, agricultural runoff, and septic system management. The 48 Facility Planning Areas (FPAs) that cooperate to maintain the 208 Plan demonstrate how local governments play a key role in achieving clean water. Through the everyday business of sewage treatment and wastewater management, regional governments have sustained an efficient and cost-effective system that creates clean water and protects public health.

### Purpose of the 208 Plan

- Requirement of Section 208 of the Clean Water Act.
- Major TMACOG policy created by members working in close coordination.
- Outlines the region's long-term plan for managing wastewater and associated infrastructure
  - Identifies treatment works necessary to meet anticipated municipal and industrial waste treatment needs for a 20-year period.
  - Establishes priorities for capital improvements.

### Chapters the 208 Plan

Chapter	Title	Content	Major Changes
1	Areawide Overview	Introduction to the Plan and legal basis	No
2	Description of Planning Area	Regional background and water quality	No
3	Areawide Policies	Environmental policies of TMACOG	Yes
4	Water Quality Management Framework	Responsibilities of Management Agencies	No
5	Public Wastewater Treatment	Facility planning areas	Yes
6	On-Site Sewage Treatment	Package plants and home sewage treatment	No
7	Agriculture, Drainage, and Habitat	Rural non-point source pollution	No
8	Stormwater Management	Urban non-point source pollution	No

# Summary of Substantive Changes

## Chapter 2. Description of Planning Area

- Updated Section III – Designated Uses for Water in the Planning Area to include information and references from 2020 Integrated Reports for Michigan and Ohio. Included Ohio’s commitment to develop an Maumee Nutrient TMDL within 2-3 years
- All data and maps will be fully updated with 2020 data from the Ohio and Michigan integrated reports in the 2021 208 Plan update

## Chapter 3. Water Quality Policies

- Incorporated the Agenda for Lake Erie into the 208 Plan as appendix C.
- Removed Table 3-1: Documents Incorporated into this Plan by Reference and Table 3-2: Documents of Partners and Stakeholders are Recognized as Compatible Plans, whose Goals TMACOG Supports. These tables are now included in the 208 Plan as a single appendix, B.

## Chapter 5. Public Wastewater Treatment – Individual Facility Planning Areas (FPAs)

- During 2020 TMACOG staff developed a literature review and white paper titled *Biosolids: Land Application of Treated Wastewater Byproducts*. This paper was referenced in Chapter 5 and has been included in the 208 Plan as appendix D.
- Changes listed below are the updates received from the designated management agencies in charge of their respective facility planning areas

## Lucas County Facility Planning Areas

### Lucas County

- 2020 - 2022: Sewer line rehab, pump station improvements
- 2020: Jerome Rd. North of Monclova is now sewered
- Capital improvements planned: Lucas County Sanitary Engineers (\$32.5 M), Sylvania (\$3.8 M), Maumee (\$1.9 M), Northwestern Water and Sewer District (District) (\$2 M), Waterville (\$200 K), Whitehouse (\$6.5 M)

### Oregon

- 2020: Norden Road sanitary sewer improvements (\$450 K)
- 2020: Sewer and lateral line rehab projects
- 2021 - 2022: WWTP to change from chlorine disinfection to UV disinfection.
- 2020: Updated sanitary sewer service area
- 2020: FPA change along Wales Rd to service Evergreen Recycling and Disposal Facility. Transferred from Toledo FPA (Request was previously reviewed and accepted)
- Capital improvements planned (\$25.7 M)

### Swanton

- 2021: Fulton County to finish Comprehensive Sewer Plan impacting service to Ai in the Swanton FPA
- 2020 - future: CSO separation projects 2, 3, 8, 9, 11, and 12
- Capital improvements planned (\$5.3 M)

#### **Toledo**

- 2020: FPA change along Wales Rd to service Evergreen Recycling and Disposal Facility. Transferred from Toledo FPA to Oregon FPA (Request was previously reviewed and accepted)
- 2020 - 2021: Sewer line rehab
- 2020: NWWSD I&I removal
- 2020 – 2021: Toledo WWTP improvements
- Capital improvements planned (\$141.9 M)

### **Monroe County Facility Planning Areas**

#### **Bedford**

- 2020: Replaced chlorine gas with UV and new HVAC system for blower building 2 at WWTP Capital improvements planned (\$17 M)

### **Ottawa County Facility Planning Areas**

#### **Bay**

- Nugents Canal Wastewater System construction target year 2027
- Cost TBD

#### **Catawba Island**

- 2020: Moores Dock Road Sanitary Sewer Rehab/Replacement Project (\$315 K)
- 2020/2021: PCI Phase II Collection System Improvements (\$400 K)
- Capital improvements planned (\$2.5 M)

#### **Curtice-Williston**

- 2020-future: Curtice - Williston Sanitary Sewer Project (Allen/Jerusalem Twp. Sanitary Sewer Extension to Oregon WWTP)
  - Proposed sanitary survey of Curtice and Williston to be completed by Ottawa and Lucas County Health Departments as well as request the Ohio EPA to complete a thorough water quality modeling analysis of Cedar and Crane Creeks. An estimated timeline of two years was projected to complete the sanitary surveys and water quality modeling analysis
- Capital improvements planned (\$19.8 M)

#### **Danbury Township**

- 2020: Danbury Township Phase II Collection System Improvements (\$1.4 M)
- Capital improvements planned (\$4.7 M)

### **Oak Harbor**

- 2020: Church Street sewer separation and water line replacement (\$6.7 M)
- 2020/future: Behlman Road Sewer Extension (\$381 K)
- Capital improvements planned (\$7.1 M)

### **Port Clinton**

- 2026/future: Erie Township Sanitary Sewer Ext. Remaining Phases
- Capital improvements planned (\$3.6 M)

## **Sandusky County Facility Planning Areas**

### **Bellevue**

- 2020/future: The city will address inflow and infiltration (I/I) (\$100,000 per year)
- 2020: WWTP improvement projects (\$160 K)
- Capital improvements planned (\$960 K)

### **Fremont**

- 2021: West Side CSO (\$8.7 M)
- 2021: Upgrade lift stations (\$500 K)
- 2022: High Rate Clarification (\$5.9 M)
- Capital improvements planned (\$29.1 M)

### **Gibsonburg**

- 2020/2023: Construction of separate storm sewer projects
- Future: Rodriguez Street is planned to be sewerred

### **Wightman's Grove**

- 2020-2021: Sandusky County Sanitary Engineer will construct sewers (\$2.3 M)

### **Woodville**

- 2019: The village completed Combined Sewer Overflow (CSO) elimination (\$700,000)

## **Wood County Facility Planning Areas**

### **Bloomdale-Bairdstown**

- 2020/2021: The District will address I/I (\$100,000)

### **Bowling Green**

- 2020: Huffman/Kramer sewer extension (\$1.1 M)
- 2020: Sugar Ridge/Mercer sewer line extension received 60% Army Corp of Engineer's grant and looking for additional funding sources
- Capital Improvements (\$8.6 M)

### **Cygnets/Jerry City**

- Cygnets Pump Station Replacement and Flow Meter (\$500 K)
- Jerry City Flow Meter (\$40 K)

**Fostoria**

- 2023-2024: CSO No. 2 & 3 elimination (\$13.7 M)
- 2020: WWTP Phase 2 upgrades (\$12.8 M)
- Capital improvements planned (\$40.6 M)

**North Baltimore**

- 2021 – 2022: Eliminate CSOs
- 2020 – 2022: Achieve the milestone of the LTCP under the Village’s NPDES permit

**Otsego**

- 2022: The District will rehab service laterals (\$300 K)

**Pemberville**

- 2020 – 2022: The NPDES permit issued in 2019 indicates that the Village shall evaluate the ability of its existing treatment facilities to meet the final effluent limit (1.0 mg/L) for phosphorus. If the existing treatment facilities are not capable of meeting the final effluent limit for phosphorus, plant improvements will be needed by 2021, and demonstrated by 2022

**Perrysburg**

- 2020 - 2023: Upgrades to WWTP (\$2.6 M), sewer rehabilitation (\$2.5 M), and manhole structure (\$750 K)
- Capital improvement planned (\$10.9 M)

**Tontogany**

- 2019 - 2021: Improvements to WWTP (\$500 K)

**Weston**

- 2021/2022: Sanitary sewer I/I removal Phase I (\$1 M)

You can view the major changes to the 208 Plan using the following link.

<https://tmacog.org/water/regional-water-quality-plan>



**Toledo Metropolitan Area Council of Governments**

[www.tmacog.org](http://www.tmacog.org)

## **Vision Statement**

TMACOG will be the governmental partner of  
choice to coordinate regional assets,  
opportunities, and challenges

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