Vision Statement

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

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Toledo Metropolitan Area Council of Governments
www.tmacog.org
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 wastewater infrastructure as well as best management practices for urban stormwater, agricultural runoff, and septic system management. The 48 Facility Planning Areas 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

• Identifies treatment works necessary to meet anticipated municipal and industrial waste treatment needs for a 20-year period.
• Establishes priorities for capital improvements.

Summary of substantive changes for individual Facility Planning Areas (FPAs) (by County)

Lucas County

Toledo

• 2017 – At the end of 2016, about $406 million of the improvements had been completed by the City of Toledo out of a revised total cost estimate of $521 million.
• 2017 – Delisted Rossford as DMA. NWWSR is the DMA and owns and operates the collection system.
• Future – The City of Toledo has added 20 new projects to be completed by 2021.

City of Toledo - overflow structure at Dearborn underground storage pipeline.

Port Clinton area. Two new critical sewage areas were added: Willow Beach and Nugent’s Canal. These areas are not served by sanitary sewers.
Custar/Milton Center
- 2017 – Delisted Custar and Milton Center as DMAs. NWWSD is the DMA and owns and operates the collection and treatment systems.
- 2017 – Delisted Jerry City as DMA. NWWSD is the DMA and owns and operates the collection and treatment systems.
- Future – Installation of flow meters at Cygnet and Jerry City (2017; $30,000 each).

Fostoria
- 2017 – Renewed the National Pollutant Discharge Elimination System (NPDES) permit with an expiration date of December 2021.
- Future – Elimination of two combined sewer overflows (CSOs) (2017-2018; $10,185,000); Underpass pump station improvements (2016-2017; $1,300,100).

Hoytville
- 2017 – Delisted Hoytville as DMA. NWWSD is the DMA and owns and operates the collection and treatment systems.

Perrysburg
- 2017 – The City of Perrysburg is in negotiations with the Ohio EPA on permit renewal items.

Tontogany
- 2017 – Delisted Tontogany as DMA. NWWSD is the DMA and owns and operates the collection and treatment systems.

Weston
- 2017 - Delisted Weston as DMA. NWWSD is the DMA and owns and operates the collection and treatment systems.

Oregon
- 2015-2016 – The City completed the Sanitary Sewer Rehabilitation Project Phase 3 in the Eastmoreland and Euclid Park areas of the Wheeling Street Sanitary Sewer District ($1,776,066).
- 2016-2017 – The City completed the Sanitary Sewer Rehabilitation Project Phase 4, Part A in the Ketcham’s Little Farms, East Hollywood, and Woodville Heights areas of the Wheeling Street Sanitary Sewer District ($1,100,000).
- 2016 – The City extended a trunk sanitary sewer down Wynn Road, to the mid-block of Cedar Point Road and Courduroy Roads ($1,891,851).
- 2017 – Delisted Millbury as DMA. NWWSD is the DMA and owns and operates the collection system.
- Future – Sanitary sewer rehabilitation projects, Phase 4, Parts A and C (2017-2018; $4,800,000); WWTP sludge dewatering improvements (2017; $3,520,000).

Lucas County
- Future – Cairl Ditch siphon cleaning and rehabilitation (2017; $500,000); Wolf Creek siphon cleaning and rehabilitation (2018; $500,000); WRRF SCADA improvements (2017; $900,000); anaerobic digester improvements (2017-2018; $17,000,000). Sylvania – added Fairview-Parkwood project (2019; $53,900). Maumee – increased total costs for three projects (total $680,000).

Ottawa County
Bay Township
- 2017 - Added Nugents Canal as a Critical Sewage Area, this marina is located along the Portage River west of Port Clinton.
- Future - Construction of a wastewater treatment system for Nugents Canal is proposed for 2022.

Catawba Island/Portage Township
- 2015 – Ottawa County Sanitary Engineers completed a sewer extension project along SR 163 and east of Christy Chapel Road ($701,000).
Ottawa County, continued

Danbury Township
• Future – Improvements to WWTP and collection system (2017-2019; Phase I - $1,406,940, Phase II - $608,400).

Genoa
• Future – Sanitary sewer extension for Allen/Clay Townships (2022; $2,275,000) and adjacent to Genoa (2023; $2,623,467).

Port Clinton
• 2017 - Added Willow Beach as a Critical Sewage Area.
• Future – Erie Township sanitary sewer extensions (2017-2018, and to be determined).

Put-in-Bay
• Future – Replace manhole on Delaware Street (2017); installation of sewer lining on Delaware Street and Toledo Avenue (2018).

Rocky Ridge
• Future – Sanitary sewer project (2023).

Sandusky County

Bellevue
• 2015 – Five-year lease for a Vactor truck ($526,000); purchased Mobile 311 mapping system for collection system ($5,200).
• 2016 – Purchased and installed dissolved oxygen probes along with variable frequency drives (VFDs) to control the blowers for aeration tanks at WWTP ($110,000).
• Future – Perform a pilot project to remove phosphorus without using chemicals (2017); upgrade lift stations (2017-2018); replace nitrification tower (2019).

Fremont
• 2016 – Completed construction of new WWTP ($63,300,000). Its facilities include mechanical bar screens, grit removal, A2O activated sludge, secondary clarifiers, tertiary cloth disc filters, UV disinfection, Autothermal Thermophilic Aerobic Digestion (ATAD) of biosolids, and centrifuge dewatering.

Gibsonburg
• 2017 – Changed the boundary of Facility Planning Area (FPA) to include White Star Park, located near the southeastern corner.
• Future – Replace screw pumps at WWTP (2017; $162,000); install storm sewer (2017).

Lindsey
• 2017 – The Village now shares operations with Sandusky County on the water and wastewater plants.
• Future – Sanitary sewer I/I project (Fall 2017); upgrades to the WWTP (2018)

Risingusn, West Millgrove, and Hatton
• 2017 – Delisted Risingusn and West Millgrove as DMAs. NWWSD is the DMA and owns and operates collection and treatment systems.

Vickery
• 2017 – Extended the FPA boundary north of CR 247 to include homes and businesses.

Wightman
• 2017 – Extended boundary of Wightman’s Grove Critical Sewage Area to include Leonard’s Place and Memory Marina along the Sandusky River.
• Future – Installation of sanitary sewers in Wightman’s Grove ($2,389,132).

Woodville
• Future – CSO elimination project (2017; $700,000).

Wood County

Bloomdale-Bairdstown
• 2016-2017 – Northwestern Water and Sewer District completed installation of sanitary sewers throughout Bairdstown ($1,985,438). Lateral hook ups to homes are expected by fall 2017. Installed a gravity sewer collection with pump stations to deliver sanitary flow to Bloomdale ($3,020,000). Upgraded Redwood lift station with new pumps, pump rails, SCADA system, and drywell valve pit.
• 2017 – Delisted Bloomdale as the DMA. NWWSD is the DMA and owns and operates the collection and treatment systems.
• Future – Continue to eliminate Inflow and Infiltration (I/I) throughout sanitary sewer (2018-2019).

Bowling Green
• 2016 – Bowling Green installed a biological nutrient removal system at the WWTP ($200,000).
• 2016-2017 – NWWSD complet ed installation of sanitary sewer in South Rudolph, and removed the area from a Critical Sewage Area designation.
• Future – Install grit removal system at WWTP (2017); replace lift station and force main on Conneaut Avenue (2017).
**Ottawa County, continued**

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Total phosphorus and total nitrogen contributions from household sewage treatment systems (HSTS), NPDES permitted sources (NPDES) and nonpoint sources (NPS) relative to the total load at the watershed outlet (expressed as percent). Values reported for wy13.

<table>
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<th>Watershed</th>
<th>Total P (% of total)</th>
<th>Total N (% of total)</th>
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