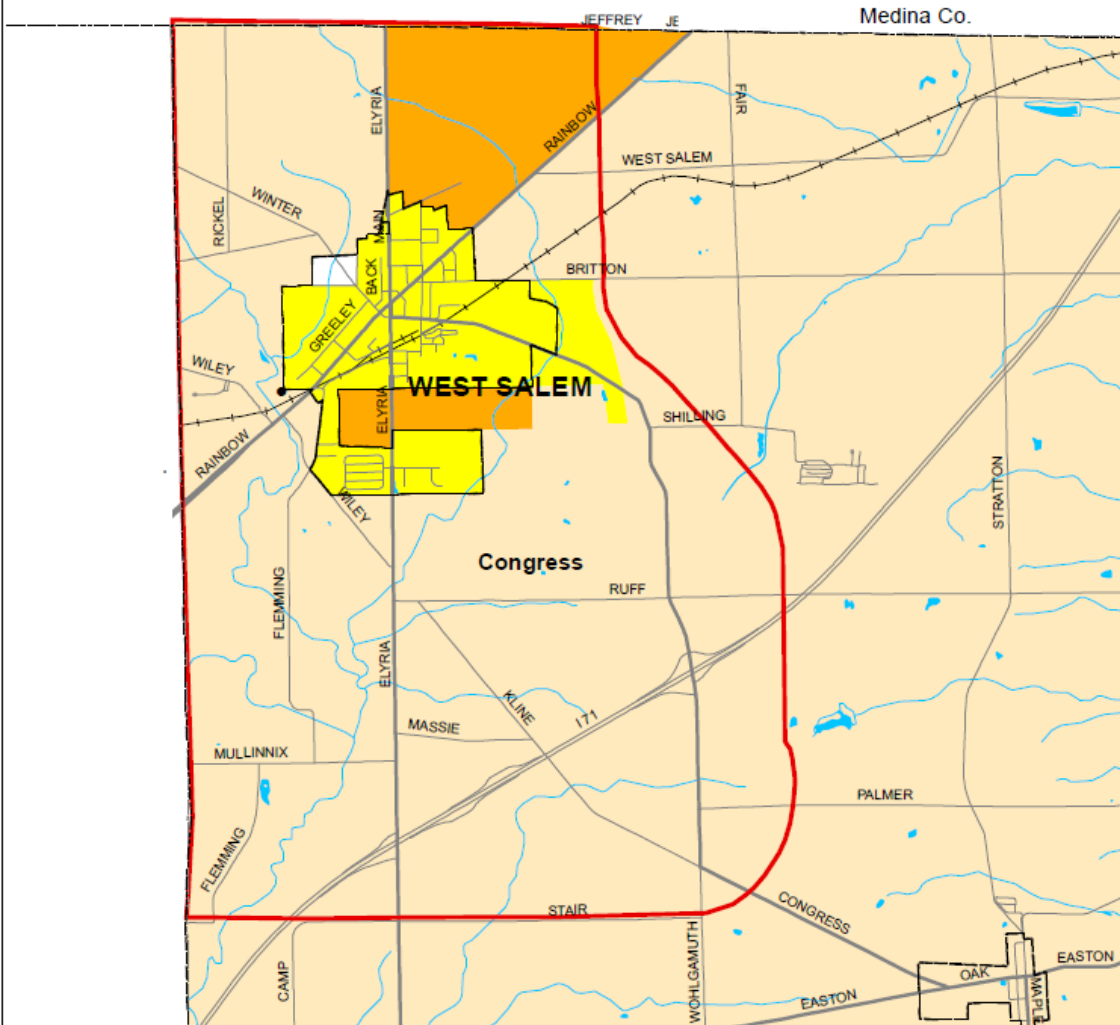


# **Appendix 3-49**

## **West Salem Facilities Planning Area**

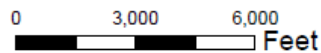
# West Salem Facilities Planning Area

## 208 Clean Water Plan



- |  |  |
|--|--|
| <span style="display: inline-block; width: 15px; height: 10px; background-color: yellow; border: 1px solid black;"></span> Areas Currently Served with Sanitary Sewers   | <span style="display: inline-block; width: 15px; height: 10px; background-color: orange; border: 1px solid black;"></span> FPA Boundary  |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: lightorange; border: 1px solid black;"></span> Areas Expected to be Served with Sanitary Sewers within the Next 20 Years        | <span style="display: inline-block; width: 15px; border-bottom: 1px solid lightblue;"></span> Stream   |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: lightyellow; border: 1px solid black;"></span> Areas that will be Served by Home Sewage and Semi-Public Sewage Disposal Systems | <span style="display: inline-block; width: 15px; border-bottom: 1px dashed black;"></span> Community Boundary  |
| <span style="display: inline-block; width: 15px; height: 10px; border: 1px solid black;"></span> Areas without a Wastewater Treatment Planning Prescription  | <span style="display: inline-block; width: 15px; border-bottom: 1px solid black;"></span> Road   |
| <span style="display: inline-block; width: 15px; height: 10px; background-color: lightblue;"></span> Lakes and Ponds   | <span style="display: inline-block; width: 15px; border-bottom: 1px solid black; position: relative; top: -5px;"><span style="position: absolute; left: -5px; top: 50%; transform: translateY(-50%);">+</span></span> Railroad |
|  | <span style="display: inline-block; width: 15px; height: 10px; background-color: black; border-radius: 50%;"></span> 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 .



Northeast Ohio Four County Regional Planning and Development Organization, December 21, 2011.

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**12/21/2011**

## **West Salem Facilities Planning Area**

### **I. Existing Situation**

#### **A. County/Basin:**

Wayne / Ohio River Basin

#### **B. Facilities Planning Area:**

West Salem

#### **C. Designated Management Agency:**

I. Primary DMA

a) Village of West Salem

b) Wayne County Office of Environmental Services

#### **D. Publicly-Owned Treatment Works:**

West Salem WWTP, 0.2040 MGD

#### **E. Facilities Plan:**

**UNKNOWN.** However, a General Plan of proposed wastewater treatment facilities improvements for the Village of West Salem was submitted to Ohio EPA-NEDO for review in 1986. The plan which was prepared by Engineering Associates, Ltd., was subsequently approved in 1987. The General Plan evaluated the Village's existing wastewater treatment plant and sewer system, and determined the optimum improvements necessary to attain compliance with all the final effluent limitations in its NPDES permit.

#### **F. Area Served:**

Wayne County - Village of West Salem and Congress Township (part)

#### **G. Receiving Stream:**

Muddy Fork of Mohigan River

#### **H. Contact Person/Address/Phone/Fax:**

a. Mr. Jim Ramsey, Head of Water and Sewer

Village of West Salem

P.O. Box 256

West Salem, Ohio 44287

Phone: (419) 853-4400

Fax: (419) 853-4158

b. Mr. Robert Kastner, P.E., Water Management Engineer

Wayne Soil & Water Conservation District

428 W. Liberty St.

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**12/21/2011**

Wooster, OH 44691  
 Phone: (330) 262-2836  
 Fax (330) 262-7422

**I. Population Served:**

The population projections used in the 201 Plan and those in the NEFCO 208 Clean Water Plan are compared below.

West Salem	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	----- not prepared -----					
Approved 208 1,818	2,308	-----	-----	-----	-----	-----

**II. Wastewater Treatment Planning Prescription and Wastewater Planning Options**

Original source information provided by the Village of West Salem and the Wayne County Office of Environmental Services.

*Village of West Salem Jurisdiction*

**Areas currently sewerred with sanitary sewers (yellow):**

Areas are identified in the Wayne County Comprehensive Plan as Growth Areas and Future Expansion Areas. A common policy of both areas is that public water and sanitary sewer service shall be required and on-lot wastewater systems should be prohibited. These areas are currently served with sanitary sewers.

New development in this area will be required to connect to and/or provide the necessary sanitary sewer infrastructure to connect to existing sewer lines to ensure that wastewater will be treated at the West Salem Wastewater Treatment Plant. The cost to connect to and/or develop the infrastructure will be the property owner's/developer's expense.

Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at the West Salem Wastewater Treatment Plant within one year of the sanitary sewer becoming available and accessible, as determined by the Ohio EPA and/or the Village of West Salem.

Failing sewage systems will be required to connect to the existing sewer system, fully observing all regulations of governing agencies. The cost to connect to and/or to provide the necessary sanitary sewer infrastructure shall be borne by the property owner.

**Areas expected to be served with sanitary sewers within the next 20 years (orange):**

These areas are identified in the Wayne County Comprehensive Plan as the Transitional Areas. The infrastructure policy in this area is that public water and sanitary sewer service is preferred where logical extensions are recommended by the appropriate utility facilities plan, however, on-lot water and wastewater systems are expected (with Health

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 12/21/2011**

Department and Ohio EPA approvals). Spray irrigation is prohibited as a wastewater treatment option in this area. Development after annexation within this area shall be subject to the following:

Subdivisions, as defined by the West Salem Planning Commission's Subdivision Regulations, will be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect to and/or to provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer.

Individual lots, and metes and bounds lots for single-family development, not adjacent to the existing sanitary sewer, may be developed, as determined on a case-by-case basis by the West Salem Planning Commission and the Village Administrator for using non-discharging Household Sewage Treatment Systems (HSTS), in accordance with OAC 3701-29-02, and if the Board of Health finds that the soils are suitable to assure there will be off-lot discharge of effluent.

Multi-family, Commercial, and Industrial Development, shall be classified as either low density/low flow or high density/high flow, as determined by the Ohio EPA. Both low density and high density flow development shall be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect to and/or provide the necessary sanitary sewer infrastructure to connect shall be borne by the developer.

Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, within one year of it becoming available and accessible, as determined by the Ohio EPA and/or the Village of West Salem.

Failing sewage systems may be replaced and/or upgraded as necessary until such time as the sanitary sewer is available and accessible, as determined by the Ohio EPA and the Village of West Salem, at which time, the property must be connected to the sanitary sewer system and the existing sewage system shall be abandoned, at the property owner's cost.

**Areas without wastewater treatment prescriptions (white):**

These areas currently lack wastewater treatment prescriptions. Future wastewater treatment options will be determined by documented impacts to water resources and "best science" which is defined as the regulatory standards as set by current State and Federal regulations.

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**12/21/2011**

*Wayne County Office of Environmental Services Jurisdiction*

- A. **Areas expected to be served by private household sewage treatment systems or semi-public systems, and where local officials are oriented to maintaining an unsewered status for the foreseeable future (cream)** – These areas are identified in the Wayne County Comprehensive Plan as the Conservation Area. The infrastructure policy in the Conservation Area is that on-lot water and wastewater systems are expected (with County Health Department and Ohio EPA approvals) with alternative wastewater technologies supported where meeting current health standards and practices. The extension of central sewers to these areas is prohibited. Spray irrigation is prohibited as a wastewater treatment option in this area. Development within this area shall be subject to the following:

1. **New Development:**

- a. These are rural areas with large undeveloped tracts of land. These are areas in which new development is expected to be large-lot, low density with non-discharging HSTSs and non-discharging SPSDSs as the primary method for the treatment of wastewater. No new discharges.

2. **Existing (developed) Properties:**

- a. Existing HSTSs and SPSDSs which fail to operate may be replaced and/or upgraded as necessary.
- b. A proposed expansion of an existing Multi-family, Commercial, and Industrial Development that will result in an increase in discharge loadings of the facility's NPDES Permit may be considered provided the receiving stream has adequate assimilative capacity, as determined by Ohio EPA.

If the receiving stream of the discharge does not have adequate assimilative capacity for the resulting increase in discharge loadings from the proposed expansion, utilization of alternative wastewater technologies resulting in a “no net gain” of discharge loadings may be considered, as determined by Ohio EPA.

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12/21/2011