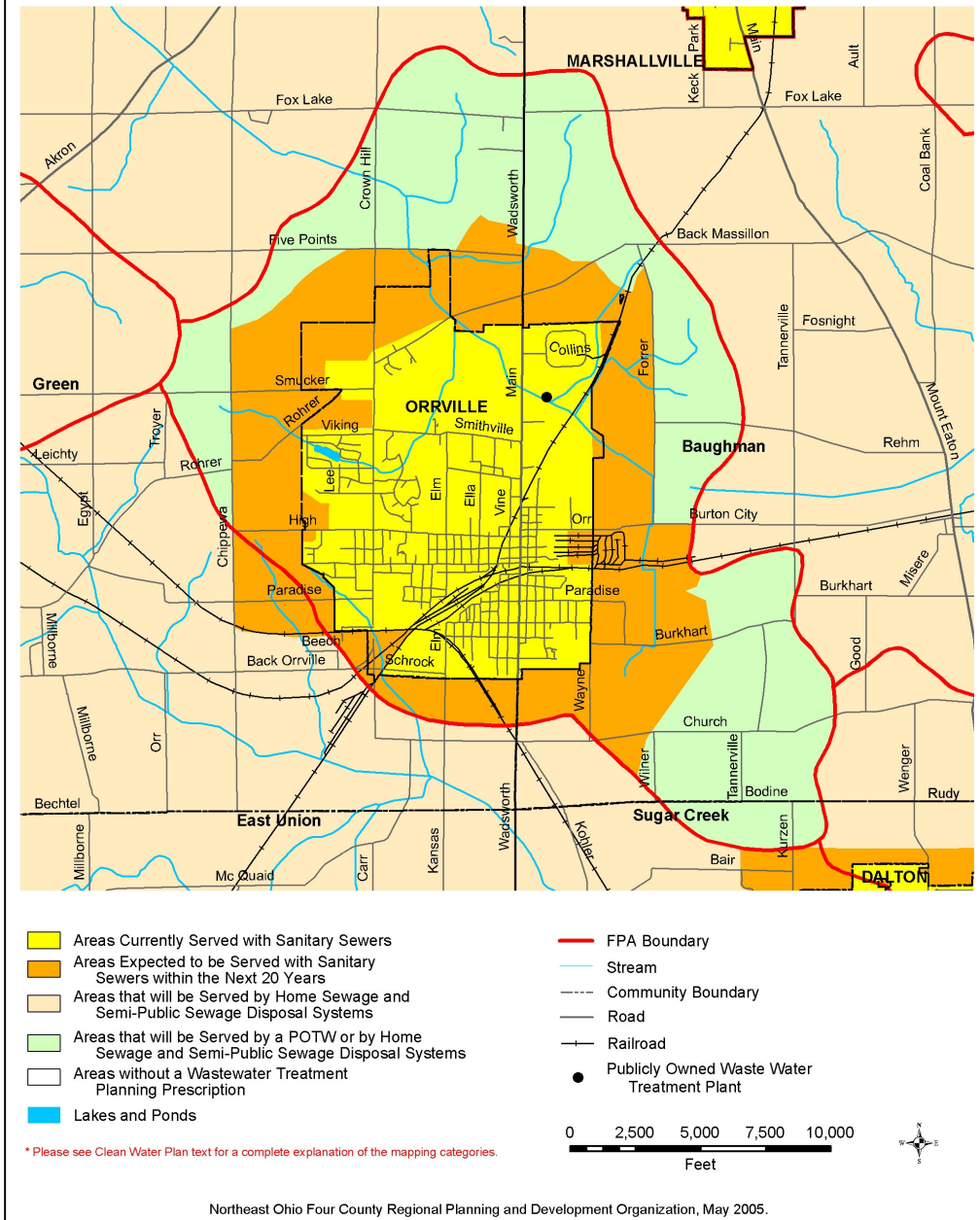


Appendix 3-45

Orrville Facilities Planning Area

Orrville Facilities Planning Area

208 Clean Water Plan Update



3-33-2

Orrville Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne / Ohio River Basin

B. Facilities Planning Area:

Orrville

C. Designated Management Agency:

I. Primary DMA

a) City of Orrville

II. Secondary DMAs

a) Wayne County Office of Environmental Services

b) City of Orrville

D. Publicly-Owned Treatment Works:

Orrville WWTP, 3.2 MGD **Design Average Daily Flow (Current Flow 2.1 MGD); 7.0 MGD Maximum Daily Flow**

~~1~~-package plant

E. Facilities Plan:

The City's consultant, Burgess & Niple, Ltd., prepared all the planning documents for the Orrville Facilities Plan. The initial Plan of Study prepared in September 1975, and the findings of the Infiltration/Inflow Analysis of the Orrville, Ohio Sanitary Sewer System completed in 1978 and the Orrville Sewer System Evaluation Survey, Interim Report, completed in October, 1979 were all incorporated into the Orrville Facilities Plan, Wastewater Collection and Treatment, released for review in August 1980.

Detailed plans of the proposed wastewater treatment plant and sewer system improvements for the City of Orrville was submitted to Ohio EPA-NEDO in January 1987. The plan which was prepared by Burgess and Niple, Limited, was reviewed and subsequently approved, thereafter.

A revised Sewer Master Plan was prepared by Burgess & Niple, LTD in April 1999.

F. Area Served:

City of Orrville, Baughman Township (part), ~~and~~ Green Township (part), **Green Township (part)**, East Union Township (part), and Sugar Creek Township (part)

G. Receiving Stream:

Little Chippewa Creek, a tributary of the Tuscarawas River

H. Contact Person/Address/Phone/Fax:

a. ~~Mr. Dan L. Preising, P.E.,~~ **Jeff A. Brediger**, Director of Utilities
City of Orrville
207 North Main Street, Box 107
Orrville, Ohio 44667
Phone: (330) 684-5012
Fax: (330) 684-5040

b. ~~Mr. Tim Patterson, Superintendent~~ **Robert Kastner, P.E., Water Management Engineer**
~~Wayne County Office of Environmental Services~~ **Soil & Water Conservation District**
428 W. Liberty St.
Wooster, OH 44691
Phone: (330) ~~287-5476~~ **262-2836**
Fax (330) ~~287-5407~~ **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.

Orrville	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	10,306	10,474	-----	-----	-----	-----
Approved 208	10,857	11,275	-----	-----	-----	-----

The above population projections (Approved 208) were prepared in 1990. Updated projections are scheduled to be prepared after county population projections are produced by the Ohio Department of Development Office of Strategic Research.

II. Wastewater Treatment Planning Prescription and Wastewater Planning Options

Original source information provided by the City of Orrville, June 11, 2001 and revised on December 10, 2001.

Wayne County Office of Environmental Services and the City of Orrville Jurisdiction

Areas currently sewered with sanitary sewers (yellow):

~~All new commercial, industrial, institutional and residential subdivision developments shall be required to connect to the sanitary sewer system for the removal of sanitary wastewater from each new facility within the new development, fully observing all regulations of governing agencies. The developer shall be required to extend new sanitary sewers as necessary from the proposed development to the existing sanitary sewer system that is served by the existing (POTW). Failing home sewage treatment systems (HSTSs) and semi-public sewage disposal systems (SPSDSs) and package plants in need of repair/replacement will be required to connect to the existing sanitary sewer facilities, even if a sewer extension is required. Failing HSTSs shall be abandoned when sewers are available within 200 feet of the property on which the building is located.~~

~~Otherwise, HSTSS may be upgraded until a sewer becomes available. Failing HSTSSs serving single family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 (OAC 3701-29-02). Vacant lots within existing HSTS served subdivisions and remote metes and bounds residentially zoned parcels may be so improved with new HSTSSs provided they are greater than 200 feet from an existing sewer, the local health department finds that soils are suitable to assure that there will be no off lot discharge of effluent and there is no conflict with OAC 3701-29-02.~~

These areas are currently served, or will be served in the near future, with sanitary sewers and public water.

1) New Development

New Development in this area will be required to connect and/or provide needed infrastructure to connect to existing sewer lines. The cost of connection will be at the developer's expense.

2) Existing (developed) Properties (not required to tie into the sanitary sewer when the system was initially constructed):

Existing sewage systems that are functioning properly (as determined by the Ohio EPA and/or the Wayne County Board of Health) will not be required to connect to the sanitary sewer system.

Existing systems that are not functioning properly (as determined by the Ohio EPA and/or the Wayne County Board of Health) will be required to connect to the sanitary sewer system when they are within 200 feet of it, they choose to connect or the Wayne County Board of Health or Ohio EPA directs them to connect. Sewer lateral or sewer main extensions needed to connect will be at the expense of the property owner(s).

Areas expected to be served with sanitary sewers within the next 5-10 years

(orange): ~~All new commercial, industrial, institutional and residential subdivision development shall be required to connect to the existing sanitary sewer system for the removal of sanitary wastewater from each new facility within the new development, fully observing all regulations of government agencies. The developer shall be required to extend new sanitary sewers as necessary from the proposed development to existing sanitary sewer system that is served by the existing POTW. Failing systems (HSTSSs, SPSDSs, and Package Plants) in need of repair/replacement will be required to connect to the existing sanitary sewer facilities, even if a sewer extension is required. Failing HSTSSs shall be abandoned when sewers are available within 200 feet of the property on which the building is located. Otherwise, HSTSSs may be upgraded until a sewer becomes available. Failing HSTSSs serving single family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 (OAC 3701-29-02). Vacant lots within existing HSTS served subdivisions and remote metes and bounds residentially zoned parcels may be so improved with new HSTSSs provided they are greater than 200 feet~~

~~from an existing sewer, the local health department finds that soils are suitable to assure there will be no off lot discharge of effluent and there is no conflict with OAC 3701-29-02.~~

These areas are expected to be served by Orrville water and sanitary sewers in the next 5-10 years, based on future development needs or if needed by current property owners.

1) New Development

Major new developments (more than 4 houses, industrial, larger commercial, etc. as determined by the City of Orrville) shall be required to connect and/or provide needed infrastructure to connect to existing sewer lines. The cost of connection will be at the developer or property owner's expense.

Minor development (single family, duplex, etc. as determined by the City of Orrville) may be required, by the City of Orrville, Wayne County Board of Health or Ohio EPA to connect and/or provide needed infrastructure to connect to existing sewer lines. The cost of connection will be at the developer or property owner's expense.

2) Existing, Developed Properties that are not tied into sanitary sewers

Existing sewage systems that are functioning properly (as determined by the Ohio EPA and/or the Wayne County Board of Health) will not be required to connect to the sanitary sewer system.

Existing sewage systems that are not functioning properly (as determined by the Ohio EPA and/or the Wayne County Board of Health) will be required to connect to the sanitary sewer system when they are within 200 feet of it, or the Wayne County Board of Health or Ohio EPA directs them to connect. Sewer lateral or sewer main extensions needed to connect will be at the expense of the property owner(s).

~~Areas that will be served by a publicly-owned treatment works (POTW) or by home sewage treatment systems (HSTSS) and semi-public sewage disposal systems (SPSDS) (green):~~

~~Project wastewater flow from this area is accounted for within the system. Sanitary sewer service to this area is not readily available; however, sewer extensions to said area may be available in the future. All new commercial, industrial, institutional and residential subdivision developments within the sanitary sewer service area shall be required to connect to an existing sanitary sewer system for the removal of sanitary wastewater from each new facility within the new development. The developer should be required to extend the existing sanitary sewer system that is served by an existing POTW. Failing systems (HSTSS, SPSDS and Package Plants) in need of repair/replacement will be required to connect to the existing sanitary sewer facilities, if sanitary sewer service becomes available. Failing home sewage treatment systems (HSTSS) shall be abandoned when sewers area available within 200 feet of the property on which the building is located. Otherwise, HSTSS may be upgraded until a sewer becomes available. Failing HSTSS serving single family homes shall be abandoned in accordance with Ohio~~

~~Administrative Code 3701-29-02 (OAC 3701-29-02). Vacant lots within existing HSTS-served subdivisions and remote metes and bounds residentially-zoned parcels may be so improved with new HSTSs provided they are greater than 200 feet from an existing sewer, the local health department finds that soils are suitable to assure that there will be no off-lot discharge of effluent and there is no conflict with OAC 3701-29-02.~~

Areas Expected to be served with sanitary sewers within the next 10-30 years (cream):

These areas are expected to be served by Orrville water and sanitary sewers in the next 10-30 years, based on future development needs or if needed by current property owners.

1) New Development

Large major developments (more than 20 houses, large industrial, large commercial, etc. as determined by the City of Orrville) may be required to connect and/or provide needed infrastructure to connect to existing sewer lines. The cost of connection will be at the developer's expense.

Minor development (single family, duplex, etc. as determined by the City of Orrville) may be required, by the City of Orrville, Wayne County Board of Health or Ohio EPA to connect and/or provide needed infrastructure to connect, to existing sewer lines. The cost of connection will be at the developers or property owner's expense.

2) Existing, Developed Properties

Existing sewage systems that are functioning properly (as determined by the Ohio EPA and/or the Wayne County Board of Health) will not be required to connect to the sanitary sewer system.

Existing sewage systems that are not functioning properly (as determined by the Ohio EPA and/or the Wayne County Board of Health) may be required to connect to the sanitary sewer system when they are within 200 feet of it, or the Wayne County Board of Health or Ohio EPA directs them to connect. Sewer lateral or sewer main extensions needed to connect will be at the expense of the property owner(s).