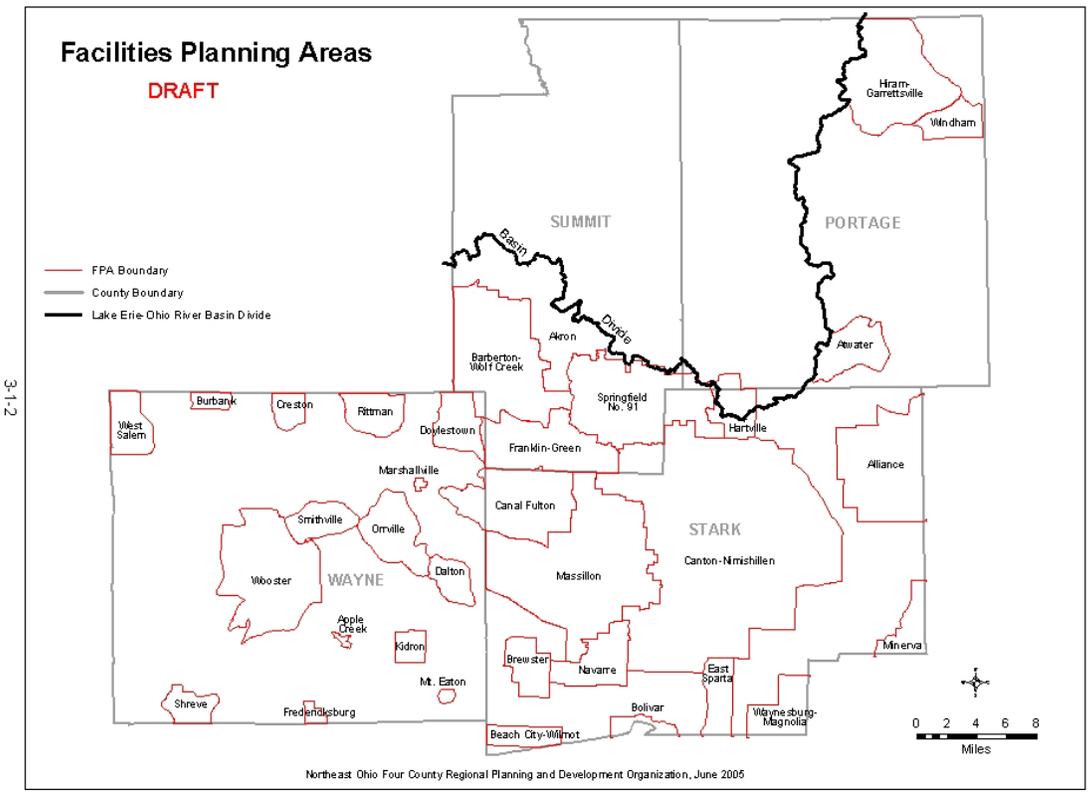


Appendix 3-1

Facilities Planning Areas (FPA)

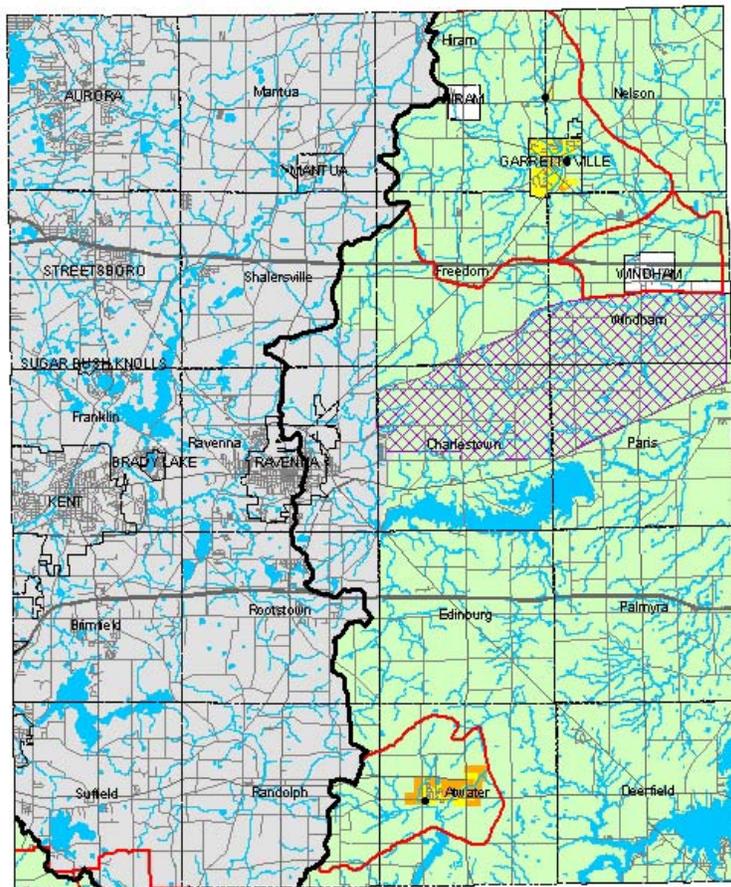


3-1-2

Appendix 3-2

Portage County Facilities Planning Areas (FPA)

DRAFT Portage County Facilities Planning Areas
208 Clean Water Plan Update



- 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
- Areas without a Wastewater Treatment Planning Prescription
- Lake Erie Basin
- Lakes and Ponds
- Ravenna Arsenal
- Basin Divide
- FPA Boundary
- Stream
- Community Boundary
- Highway
- Road
- Wastewater Treatment Plant

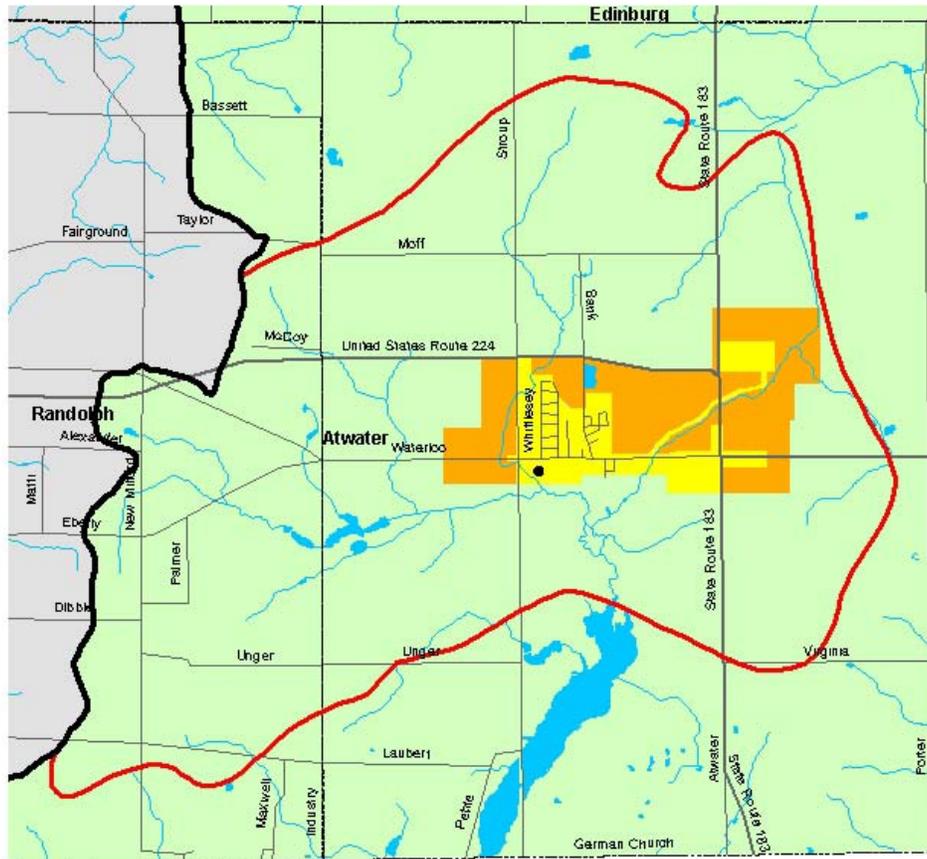
* Please see Clean Water Plan text for a complete explanation of the mapping categories.
 Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

Appendix 3-3

Atwater
Facilities Planning Area

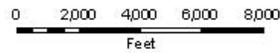
DRAFT

Atwater Facilities Planning Area 208 Clean Water Plan Update



- 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
- Areas without a Wastewater Treatment Planning Prescription
- Lake Erie Basin
- Lakes and Ponds

- Basin Divide
- FPA Boundary
- Stream
- Community Boundary
- Highway
- Road
- Wastewater Treatment Plant



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

Northeast Ohio Four County Regional Planning and Development Organization, February 2005.

Atwater Facilities Planning Area

I. Existing Situation

A. County/Basin:

Portage / Ohio River Basin

B. Facilities Planning Area:

Atwater

C. Designated Management Agency:

I. Primary DMA

- a) Portage County Water Resources Department (Portage County Regional Sewer District)

II. Secondary DMA

- a) Portage County Water Resources Department (Portage County Regional Sewer District)

D. Publicly-Owned Treatment Works:

Atwater WWTP, 0.2000 MGD

E. Facilities Plan:

No Facilities Plan has been prepared. A general plan was prepared and submitted to the Ohio EPA (NEDO) in June 1987 by the Portage County Sanitary Engineer. The general plan evaluated Portage County's existing WWTP and sewer system in Atwater. The plan determined the optimum improvements necessary to attain compliance with all final effluent limitation in its NPDES Permit. The plan was reviewed and approved by Ohio EPA in 1987.

F. Area Served:

Parts of Atwater and Randolph Townships

G. Receiving Stream:

Deer Creek, a tributary to the Mahoning River

H. Contact Person/Address/Phone/Fax:

Mr. Harold Huff, Director/Sanitary Engineer
Portage County Water Resources Department
Portage County Administration Building
449 South Meridian Street
P.O. Box 1217
Ravenna, Ohio 44266-1217
Phone: (330) 297-3670
Fax: (330) 297-3680

I. Population Served:

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

Atwater	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	----- not prepared -----					
Approved 208	2,319	2,347	-----	-----	-----	-----

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 Portage County Water Resources Department (Portage County Regional Sewer District), June 30, 2000.

Portage County Water Resources Department (Portage County Regional Sewer District) Jurisdictions

Areas Currently Sewered (yellow):

Atwater (part), and Randolph (part) Townships - These areas are currently served with sanitary sewers that have been constructed and are currently in operation. However, there may be undeveloped tracts of land and vacant lots subject to improvement. All new development and construction in the yellow areas of this facility planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing publicly-owned treatment works (POTW) with modifications or expansions as required to handle the flow. Existing non-residential private treatment systems (semi-public), shall be abandoned and connection made to the existing sanitary sewer system if available. Failing home sewage treatment systems (HSTSs) serving single family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02.

Areas That Will be Served by a POTW or by On-site Non-discharging Systems (green):

Atwater (part), and Randolph (part) Townships - Future development will be served by an existing POTW modified or expanded as required to handle the flow or a non-discharging sewage disposal system. Non-discharging systems including on-site septic systems and systems in which the effluent is applied to the land are locally permitted at this time. New discharging systems are only permitted for repair of existing systems in cases where both central sewer and non-discharging systems are not available.

Areas Currently Programmed To Be Sewered (orange):

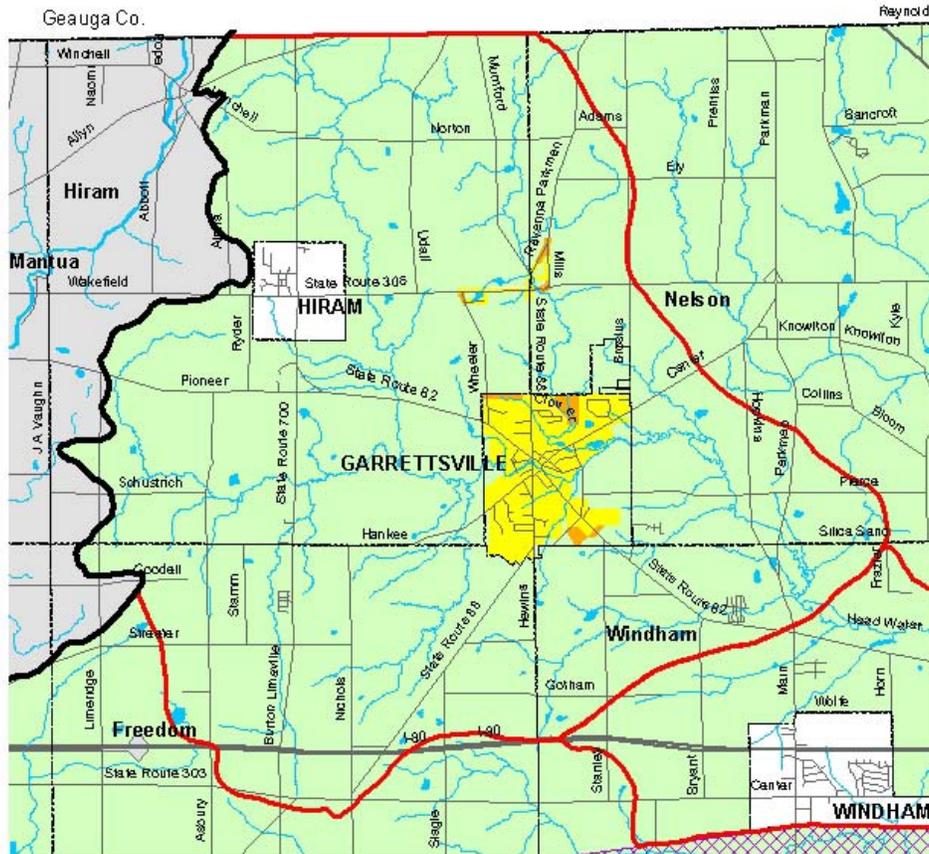
Atwater (part), and Randolph (part) Townships - These areas are proposed to be served with sanitary sewers. However, there may be undeveloped tracts of land and vacant lots subject to improvement. All new development and construction in the yellow areas of this facility planning area will be required to connect to and/or provide sanitary service to

ensure that wastewater will be treated at an existing publicly-owned treatment works (POTW) with modifications or expansions as required to handle the flow. Existing non-residential private treatment systems (semi-public), which cease to operate properly, shall be abandoned and connection made to the existing sanitary sewer system. Failing HSTs serving single family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02.

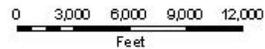
Appendix 3-4

Hiram - Garrettsville Facilities Planning Area

DRAFT Hiram-Garrettsville Facilities Planning Area
208 Clean Water Plan Update



- | | |
|---|----------------------------|
| Areas Currently Served with Sanitary Sewers | Basin Divide |
| Areas Expected to be Served with Sanitary Sewers within the Next 20 Years | FPA Boundary |
| Areas that will be Served by Home Sewage and Semi-Public Sewage Disposal Systems | Stream |
| Areas that will be Served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems | Community Boundary |
| Areas without a Wastewater Treatment Planning Prescription | Highway |
| Lake Erie Basin | Road |
| Lakes and Ponds | Wastewater Treatment Plant |
| Ravenna Arsenal | |



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

Northeast Ohio Four County Regional Planning and Development Organization, February 2005.

Hiram - Garrettsville Facilities Planning Area

I. Existing Situation

A. County/Basin:

Portage / Ohio River Basin

B. Facilities Planning Area:

Hiram - Garrettsville

C. Designated Management Agency:

I. Primary DMAs

- a) Portage County Water Resources Department (Portage County Regional Sewer District)
- b) Village of Hiram
- c) Village of Garrettsville

II. Secondary DMA

- a) Portage County Water Resources Department (Portage County Regional Sewer District)

D. Publicly-Owned Treatment Works:

- a. Village of Hiram WWTP, 0.2000 MGD
- b. Village of Garrettsville WWTP, 0.3560 MGD

E. Facilities Plan:

Kudikis, Schade and Associates, Inc., was responsible for the Garrettsville Village segment; Portage County Sanitary Engineer's Department was responsible for Hiram Village and Township segments.

F. Area Served:

Village of Hiram, Village of Garrettsville and adjoining portions of Hiram, Freedom, Nelson and Windham Townships

G. Receiving Stream:

- a. Silver Creek tributary to the Mahoning River
- b. Eagle Creek tributary to the Mahoning River

H. Contact Person/Address/Phone/Fax:

a. Mr. Don VanMetre
Village of Hiram
11617 Garfield Road
Hiram, Ohio 44234
Phone: (330) 569-7860
Fax: (330) 569-0128

Mr. Ken Young, Utilities Superintendent
Village of Hiram
P.O. BOX 65
Hiram, OH 44234

b. Mr. Jeff Sheehan, Utility Supt.

Village of Garrettsville
 8213 High Street
 P.O. Box 35
 Garrettsville, Ohio 44231
 Phone: (330) 527-4424
 Fax: (330) 527-5819

c. Mr. Harold Huff, Director/Sanitary Engineer
 Portage County Water Resources Department
 Portage County Administration Building
 449 South Meridian Street
 P.O. Box 1217
 Ravenna, Ohio 44266-1217
 Phone: (330) 297-3670
 Fax: (330) 297-3680

I. Population Served:

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

Hiram-Garrettsville	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	9,960	-----	-----	-----	-----	-----
Approved 208	8,645	8,879	-----	-----	-----	-----

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 Portage County Water Resources Department (Portage County Regional Sewer District), June 30, 2000, and Village of Garrettsville, May 8, 2002.

Portage County Water Resources Department (Portage County Regional Sewer District) Jurisdictions

Areas Currently Sewered (yellow):

Freedom, Windham, Hiram, and Nelson Townships - These areas are currently served with sanitary sewers that have been constructed and are currently in operation. However, there may be undeveloped tracts of land and vacant lots subject to improvement. All new development and construction in the yellow areas of this facilities planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing publicly-owned treatment works (POTW) with modifications or expansions as required to handle the flow. Existing non-residential private treatment systems (semi-public) shall be abandoned and connection made to the existing sanitary sewer system if available. Failing HSTSs serving single family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02.

Areas That Will be Served by a POTW or by On-site Non-discharging Systems (green):

Freedom, Windham, Hiram, and Nelson Townships - Future development will be served by an existing POTW modified or expanded as required to handle the flow or a non-discharging sewage disposal system. Non-discharging systems including on-site septic systems and systems in which the effluent is applied to the land are locally permitted at this time. New discharging systems are only permitted for repair of existing systems in cases where both central sewer and non-discharging systems are not available.

Areas Currently Programmed To Be Sewered (orange):

Freedom, Windham, Hiram, and Nelson Townships - These areas are proposed to be served with sanitary sewers. However, there may be undeveloped tracts of land and vacant lots subject to improvement. All new development and construction in the yellow areas of this facilities planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing publicly-owned treatment works (POTW) with modifications or expansions as required to handle the flow. Existing non-residential private treatment systems (semi-public), which cease to operate properly, shall be abandoned and connection made to the existing sanitary sewer system. Failing HSTSs serving single family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02.

Village of Garrettsville Jurisdiction

Areas Currently Sewered (yellow):

Village of Garrettsville - These areas are currently served with sanitary sewers that have been constructed and are currently in operation. However, there may be undeveloped tracts of land and vacant lots subject to improvement. All new development and construction in the yellow areas of this facilities planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing publicly-owned treatment works (POTW) with modifications or expansions as required to handle the flow. Existing occupied structures found within 200 feet of an existing sanitary sewer will be required to connect to the sewer system and the existing on-site treatment systems will be abandoned.

Areas That Will be Served by a POTW or by On-site Non-discharging Systems (green):

Village of Garrettsville - This area is a rural setting and is mostly located in the east section of the Village along Silica Road. These areas with undeveloped tracts of land and vacant lots subject to improvements with many existing lots with HSTSs for wastewater treatment. The wastewater generated from these areas has been accounted for within the Village system but sanitary sewers to these areas are not readily available. All new wastewater generated by residential subdivisions, commercial, industrial, and institutional development will be required to connect to the sanitary sewer system for the removal of sanitary wastewater and to ensure that wastewater will be treated at an existing POTW. The developer would be encouraged to extend new sanitary sewers as necessary and connect to existing sanitary sewer system. Existing residential, commercial, industrial and institutional development will be required to connect to the sanitary sewer system as it becomes available and the existing on-site treatment systems

(HSTSs) have failed and/or in need of repair and/or replacement. After connection to the sanitary sewer system the existing on-site systems will be abandoned. Vacant lots within existing HSTS served areas may be so improved with new HSTSs that will be abandoned upon failure and when a sanitary sewer system becomes available, provided the local authorities find the soils suitable to assure there will be no off-lot discharge of effluent. Exceptions may be granted based on sewer availability, soil conditions and extent of system failure.

Areas Currently Programmed To Be Sewered (orange):

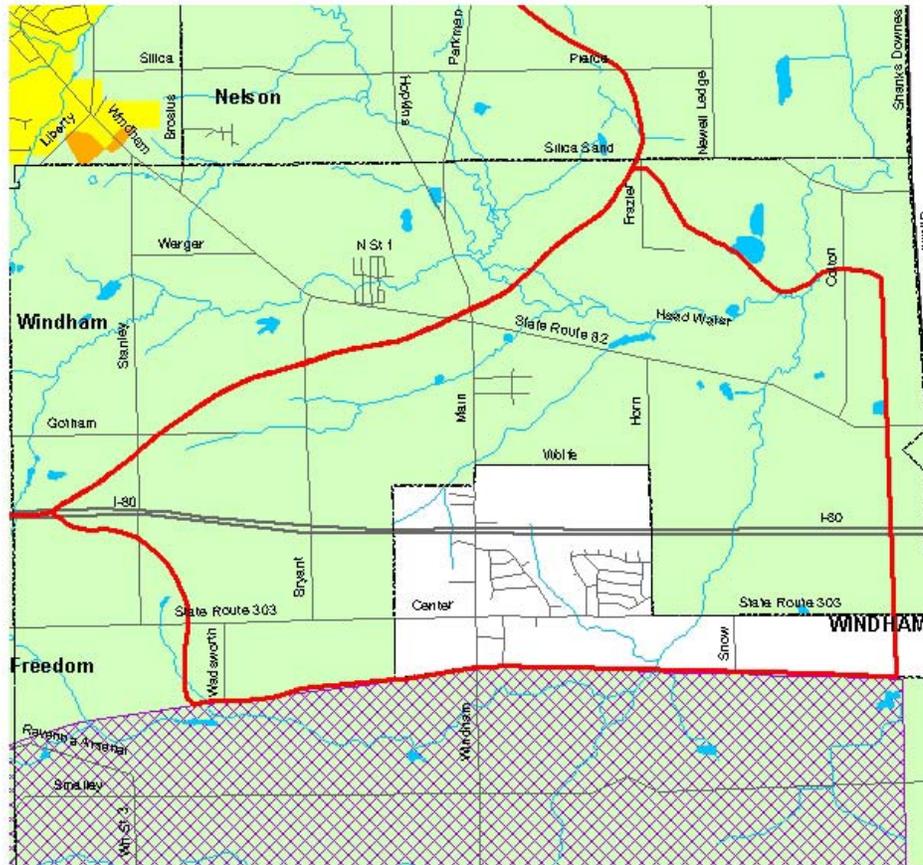
Village of Garrettsville - These areas are projected to receive sewers but are not sewered yet. Projected wastewater flow from these areas has been accounted for within the system including the following options: 1. All new wastewater generated by residential subdivisions, commercial, industrial, and institutional development will be required to connect to the sanitary sewer system for the removal of sanitary wastewater. 2. Existing residential, commercial, industrial and institutional development will be required to connect to the sanitary sewer system as it becomes available and if the existing on-site treatment systems (HSTSs) have failed and/or are in need of repair and/or replacement. After connection to the sanitary sewer system the existing on-site systems will be abandoned.

Appendix 3-5

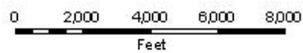
Windham
Facilities Planning Area

DRAFT

Windham Facilities Planning Area 208 Clean Water Plan Update



- 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
- Areas without a Wastewater Treatment Planning Prescription
- Lakes and Ponds
- Parks
- Ravenna Arsenal
- FPA Boundary
- Stream
- Community Boundary
- Highway
- Road
- Wastewater Treatment Plant



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

Northeast Ohio Four County Regional Planning and Development Organization, February 2005.

3-5-2

Windham Facilities Planning Area

I. Existing Situation

A. County/Basin:

Portage / Ohio River Basin

B. Facilities Planning Area:

Windham

C. Designated Management Agency:

I. Primary DMA

a) Village of Windham

b) Portage County Water Resources Department (Portage County Regional Sewer District)

II. Secondary DMAs

a) Portage County Water Resources Department (Portage County Regional Sewer District)

D. Publicly-Owned Treatment Works:

Village of Windham, 0.600 MGD

E. Facilities Plan:

(In progress)

F. Area Served:

Village of Windham, parts of Windham Township

G. Receiving Stream:

South Fork of Eagle Creek, tributary to the Mahoning River

H. Contact Person/Address/Phone/Fax:

a. Ms. Rachel Barrett, Wastewater Treatment Plant Superintendent
Village of Windham
9621 East Center Street
Windham, Ohio 44288
Phone: (330) 326-2622

b. Mr. Harold Huff, Director/Sanitary Engineer
Portage County Water Resources Department
Portage County Administration Building
449 South Meridian Street
P.O. Box 1217
Ravenna, Ohio 44266-1217
Phone: (330) 297-3670
Fax: (330) 297-3680

I. Population Served:

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

Windham	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201						
Approved 208	5,712	5,874	-----	-----	-----	-----

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 Portage County Water Resources Department (Portage County Regional Sewer District), June 30, 2000, and Village of Garrettsville, May 8, 2002.

Portage County Water Resources Department (Portage County Regional Sewer District) Jurisdictions

Areas Currently Sewered (yellow):

Freedom, Windham, Hiram, and Nelson Townships - These areas are currently served with sanitary sewers that have been constructed and are currently in operation. However, there may be undeveloped tracts of land and vacant lots subject to improvement. All new development and construction in the yellow areas of this facilities planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing publicly-owned treatment works (POTW) with modifications or expansions as required to handle the flow. Existing non-residential private treatment systems (semi-public), shall be abandoned and connection made to the existing sanitary sewer system if available. Failing HSTSSs serving single family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02.

Areas That Will be Served by a POTW or by On-site Non-discharging Systems (green):

Freedom, Windham, Hiram, and Nelson Townships - Future development will be served by an existing POTW modified or expanded as required to handle the flow or a non-discharging sewage disposal system. Non-discharging systems including on-site septic systems and systems in which the effluent is applied to the land are locally permitted at this time. New discharging systems are only permitted for repair of existing systems in cases where both central sewer and non-discharging systems are not available.

Areas Currently Programmed To Be Sewered (orange):

Freedom, Windham, Hiram, and Nelson Townships - These areas are proposed to be served with sanitary sewers. However, there may be undeveloped tracts of land and vacant lots subject to improvement. All new development and construction in the yellow areas of this facilities planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing publicly-owned treatment

works (POTW) with modifications or expansions as required to handle the flow.
Existing non-residential private treatment systems (semi-public), which cease to operate properly, shall be abandoned and connection made to the existing sanitary sewer system.
Failing HSTSSs serving single family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02.

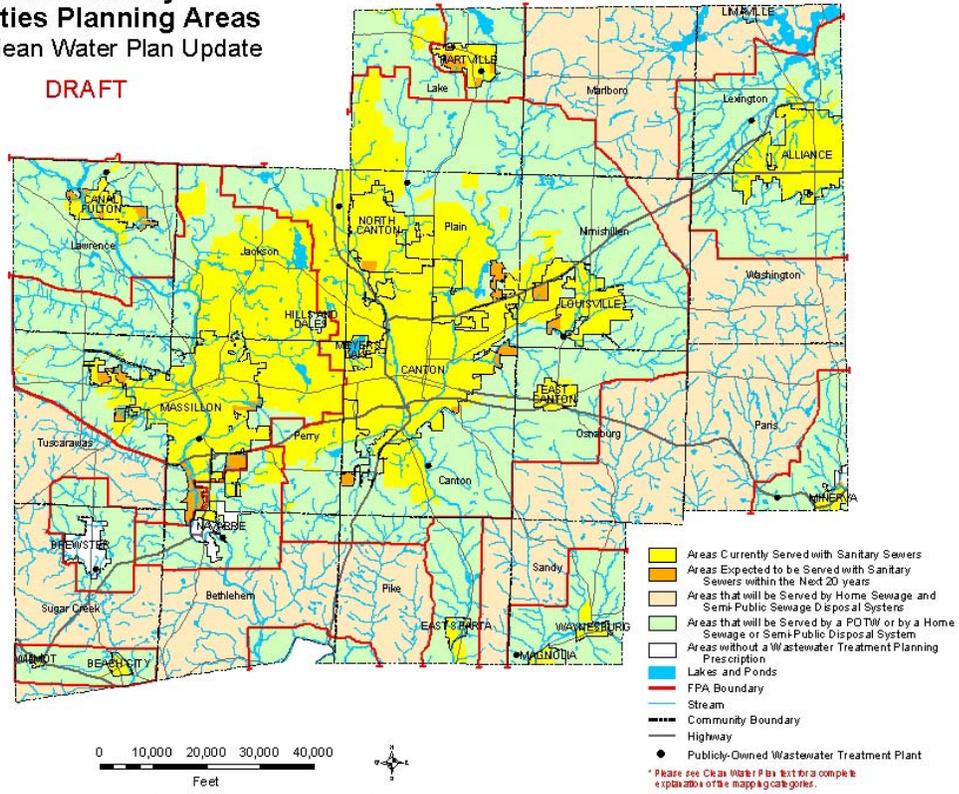
Appendix 3-6

Stark County Facilities Planning Areas (FPA)

Stark County Facilities Planning Areas 208 Clean Water Plan Update

DRAFT

3-6-2



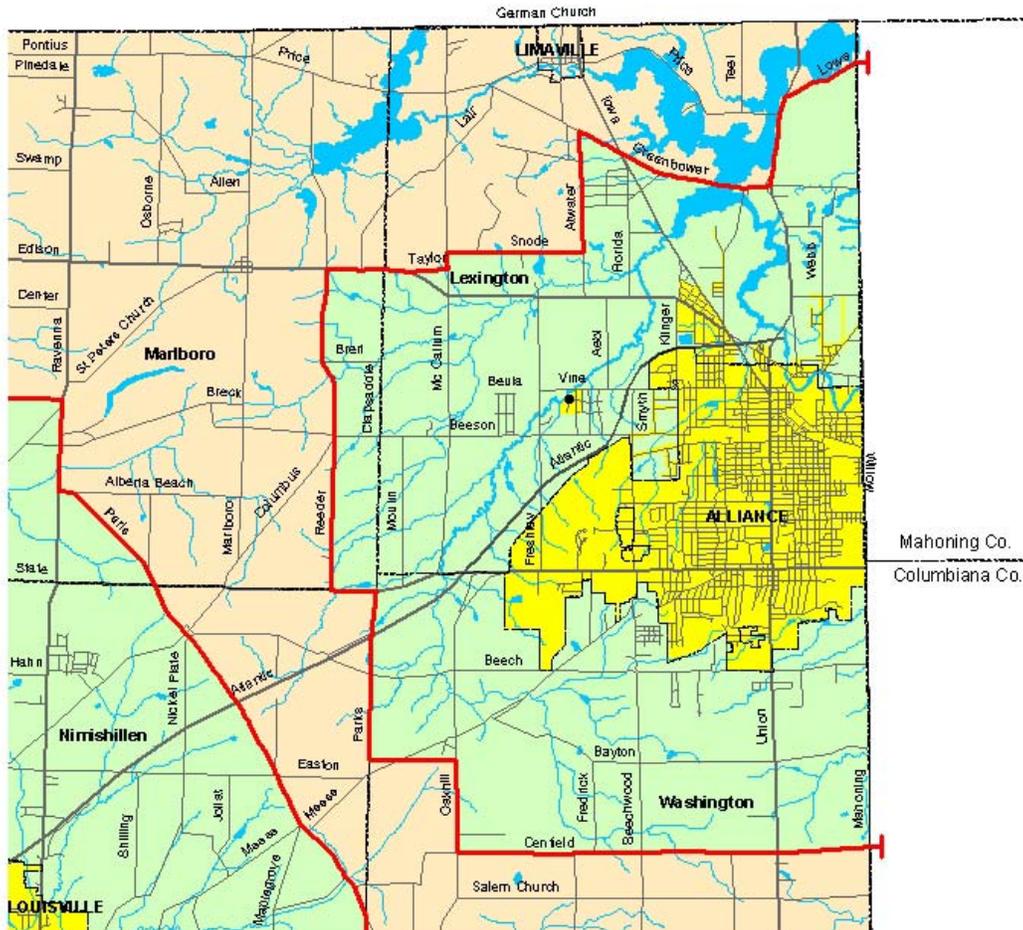
Northeast Ohio Four County Regional Planning and Development Organization, June 2005.

Appendix 3-7

Alliance
Facilities Planning Area

DRAFT

Alliance Facilities Planning Area 208 Clean Water Plan Update



- 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 a Home Sewage or Semi-Public disposal System
- Areas without a Wastewater Treatment Planning Prescription
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Highway
- Road
- Publicly-Owned Wastewater Treatment Plant

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

Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

Alliance Facilities Planning Area

I. Existing Situation

A. County/Basin:

Stark, Mahoning and Columbiana / Ohio River Basin

B. Facilities Planning Area:

Alliance

C. Designated Management Agency:

I. Primary DMAs

a) City of Alliance

II. Secondary DMAs

a) Stark County Metropolitan Sewer District

D. Publicly-Owned Treatment Works:

Alliance Wastewater Treatment Plant, 7.5000 MGD

E. Facilities Plan:

1. Frank A. Thomas & Associates, Inc., Facilities Plan for Improvements in a Proposed Alliance Regional Sewer System, April, 1975.

2. Ibid., Report on Improvements to the Alliance Wastewater Collection System for the City of Alliance, January, 1976.

3. Ibid., The Coordinated Alliance Area Regional Facilities Plan, July, 1976.

4. Ibid., Report on Improvements to the Alliance Wastewater Collection System for the City of Alliance, Addendum, September, 1976.

Planning for the Mahoning - Columbiana Counties portion of the Facilities Planning Area was done by the W. E. Quicksall and Associates in conjunction with the documents described above.

F. Area Served:

Stark County - City of Alliance, Lexington Township (part) and Washington Township (part)

Mahoning County - Smith Township (part)

Columbiana County - Knox Township (part)

G. Receiving Stream:

Beech Creek tributary to Berlin Reservoir

H. Contact Person/Address/Phone/Fax:

July 20, 2005

3-7-3

NEFCO APPROVED DRAFT

- a. City Engineer
City of Alliance
504 East Main Street
Alliance, Ohio 44601
Phone: (330) 823-5122
Fax: (330) 823-2236

- b. Mr. Michael Armogida, P.E., Director
Stark County Metropolitan Sewer District
P.O. Box 7906
1701 Mahoning Road. N.E.
Canton, Ohio 44705-7906
Phone: (330) 438-9303
Fax: (330) 453-9044

I. Population Served:

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

Alliance	<u>2000</u>	<u>2005</u>	<u>2020</u>	<u>2025</u>
201	33,450	-----	-----	-----
Approved 208	34,662	35,047	-----	-----

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 Stark County Metropolitan Sewer District, January 15, 2005.

City of Alliance Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments/construction in this planning area will be required and responsible to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties with failing HSTSs or semi-public sewage treatment systems will be required and responsible to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on

sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Stark County Metropolitan Sewer District Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by a home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of

Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage and semi-public sewage disposal systems and sanitary sewers (cream):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

Upon becoming available to sanitary sewer, properties served by HSTs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTs, variances to any

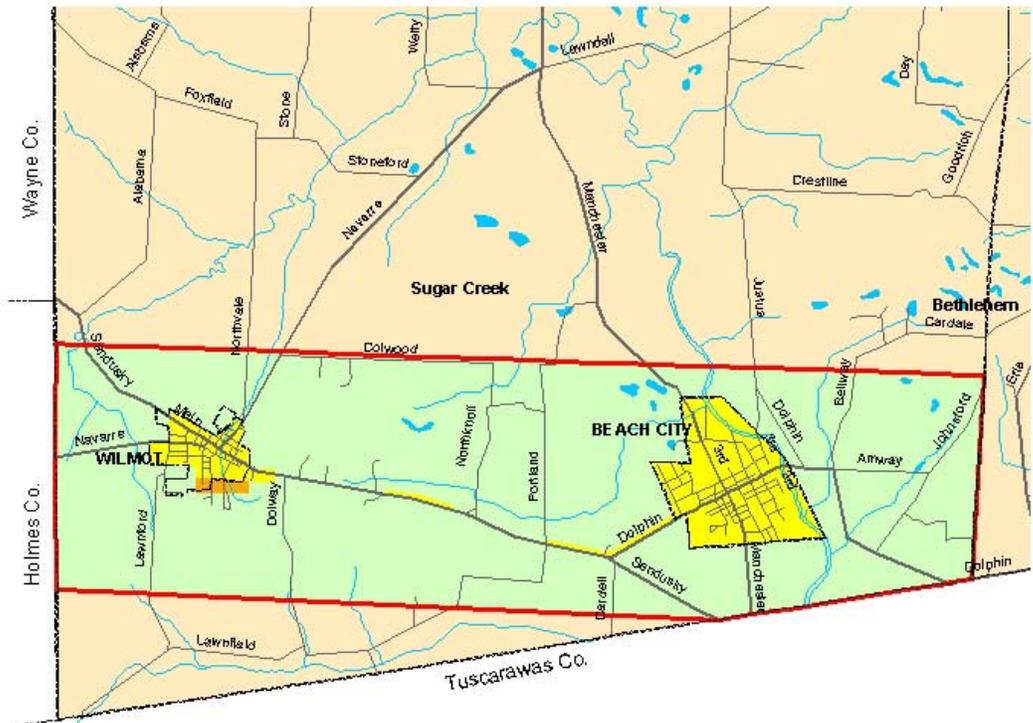
provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Appendix 3-8

Beach City - Wilmot Facilities Planning Area

DRAFT

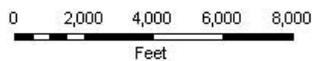
Beach City-Wilmot Facilities Planning Area 208 Clean Water Plan Update



- 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 a Home Sewage or Semi-Public disposal System
- Areas without a Wastewater Treatment Planning Prescription
- Lakes and Ponds

- FPA Boundary
- Stream
- Community Boundary
- Highway
- Road
- Publicly-Owned Wastewater Treatment Plant

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



Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-8-2

Beach City - Wilmot Facilities Planning Area

I. Existing Situation

A. County/Basin:

Stark / Ohio River Basin

B. Facilities Planning Area:

Beach City - Wilmot

C. Designated Management Agency:

I. Primary DMAs

a) Village of Beach City

II. Secondary DMAs

a) Village of Wilmot

b) Stark County Metropolitan Sewer District

D. Publicly-Owned Treatment Works:

Beach City Wastewater Treatment Plant, 0.2000 MGD

E. Facilities Plan:

Rackoff Associates, Inc., Facilities Plan for Beach City - Wilmot Regional Sewer System, October, 1975.

F. Area Served:

Stark County - Village of Beach City, Village of Wilmot, and Sugar Creek Township (part)

G. Receiving Stream:

Sugar Creek tributary to Tuscarawas River

H. Contact Person/Address/Phone/Fax:

a. Mr. Don Lambert, Utilities Director

Village of Beach City

105 East Main St.

P.O. Box 328

Beach City, Ohio 44608

Phone: (330) 756-2011

Fax: (330) 756-3199

b. Mayor Denise Meredith

Village of Wilmot

207 Massillon Street

PO Box 162

Wilmot, Ohio 44689

Phone: (330) 359-0192

Fax: (330) 359-5711

c. Mr. Michael Armogida, P.E., Director

Stark County Metropolitan Sewer District
P.O.Box 7906
1701 Mahoning Road. N.E.
Canton, Ohio 44705-7906
Phone: (330) 438-9303
Fax: (330) 453-9044

I. Population Served:

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

	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
Beach City-Wilmot						
201	1,860	-----	-----	-----	-----	-----
Approved 208	1,927	1,992	-----	-----	-----	-----

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 Village of Beach City, and the Village of Wilmot, January 30, 2001, and the Stark County Metropolitan Sewer District, January 15, 2004.

Stark County Metropolitan Sewer District Jurisdictions

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by a home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. Individual residentially zoned parcels may be so improved with new HSTs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by failing HSTs or failing semi-public sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided to ensure that wastewater will be transported and treated at an existing POTW. Failing HSTs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability, threat to the public health, or other unique conditions. Publicly operated wastewater treatment plants, commonly referred to as “package plants,” will not be approved for new residential, commercial or industrial subdivisions.

Areas that will be served by home sewage and semi-public sewage disposal systems and sanitary sewers (cream):

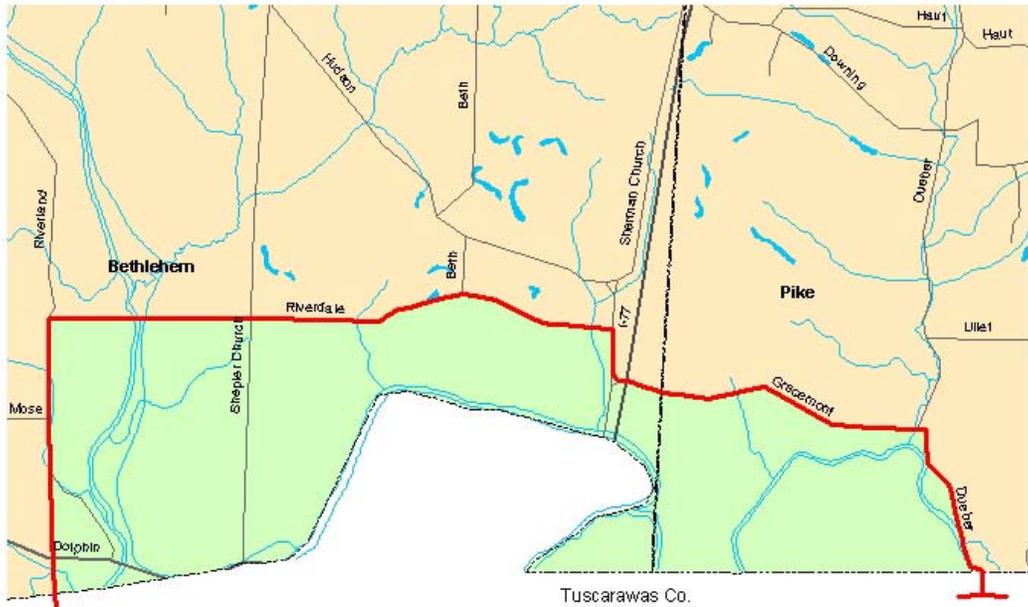
This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare. Privately operated sewage treatment systems will be allowed based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new HSTs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Failing HSTs will be required to be repaired in accordance with local Board of Health requirements, if sewer is not available. Upon becoming available or accessible to sanitary sewer, properties served by HSTs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability, threat to the public health, or other unique conditions. Publicly operated wastewater treatment plants, commonly referred to as “package plants,” will not be approved for new residential, commercial or industrial subdivisions.

Appendix 3-9

Bolivar
Facilities Planning Area

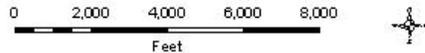
DRAFT

Bolivar Facilities Planning Area 208 Clean Water Plan Update



- 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 a Home Sewage or Semi-Public disposal System
- Areas without a Wastewater Treatment Planning Prescription
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Highway
- Road
- Publicly-Owned Wastewater Treatment Plant

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



Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

Bolivar Facilities Planning Area

I. Existing Situation

A. County/Basin:

Stark and Tuscarawas / Ohio River Basin

B. Facilities Planning Area:

Bolivar

C. Designated Management Agency:

I. Primary DMAs

a) Village of Bolivar

II. Secondary DMAs

a) Stark County Metropolitan Sewer District

D. Publicly-Owned Treatment Works:

Bolivar WWTP

E. Facilities Plan:

UNKNOWN

F. Area Served:

Stark County - Bethlehem Township (part) and Pike Township (part)

Tuscarawas County - Village of Bolivar, Lawrence Township (part), and Sandy Township (part)

G. Receiving Stream:

Tuscarawas River

H. Contact Person/Address/Phone/Fax:

a. Mr. Tim Renner, Superintendent

9944 Wilkshire Blvd.

Bolivar, Ohio 44612

Phone: (330) 874-3262

Fax: (330) 874-4203

b. Mr. Michael Armogida, P.E., Director

Stark County Metropolitan Sewer District

P.O.Box 7906

1701 Mahoning Road. N.E.

Canton, Ohio 44705-7906

Phone: (330) 438-9303

Fax: (330) 453-9044

I. Population Served:

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

	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
Bolivar						
201	-----	not prepared	-----	-----	-----	-----
Approved 208	-----	not prepared	-----	-----	-----	-----

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 Stark County Metropolitan Sewer District, January 15, 2004.

Stark County Metropolitan Sewer District Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by a home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential

subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage, and semi-public sewage disposal systems (cream):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated

sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

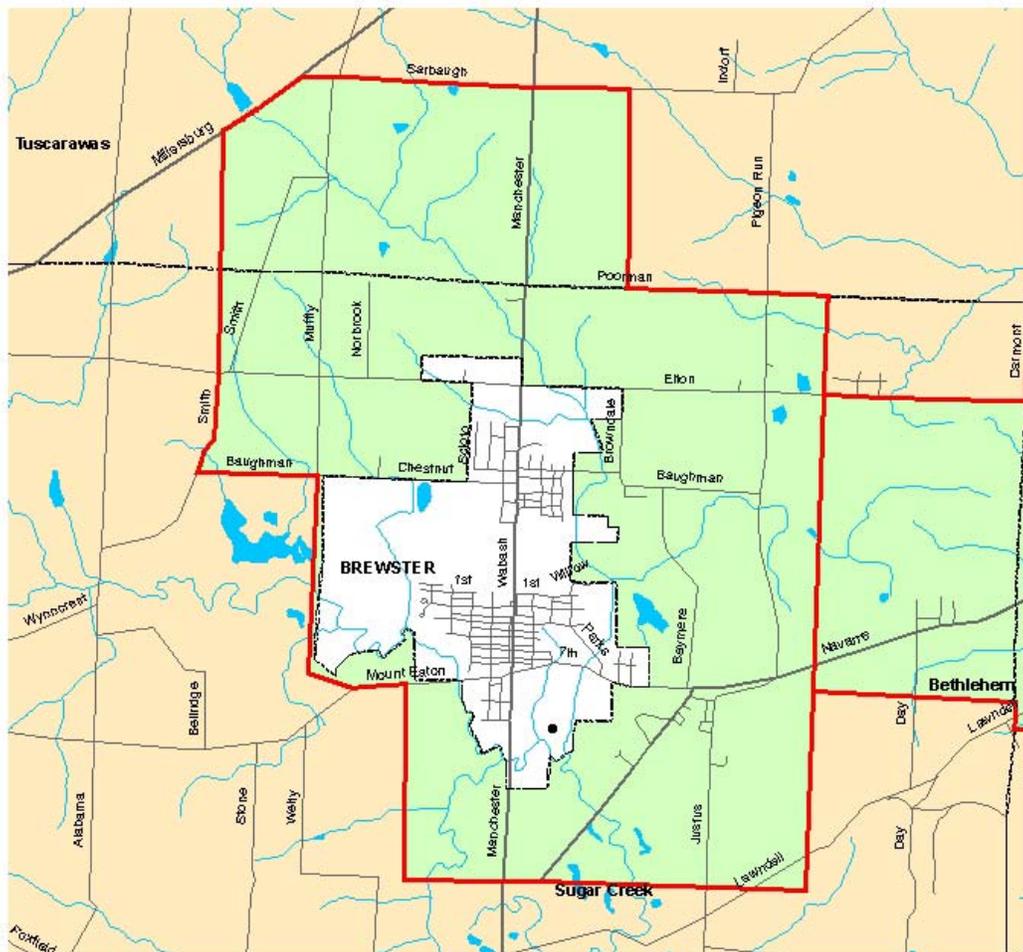
Upon becoming available to sanitary sewer, properties served by HSTSs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Appendix 3-10

Brewster Facilities Planning Area

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Brewster Facilities Planning Area 208 Clean Water Plan Update



- 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 a Home Sewage or Semi-Public disposal System
- Areas without a Wastewater Treatment Planning Prescription
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Highway
- Road
- Publicly-Owned Wastewater Treatment Plant

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



Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

Brewster Facilities Planning Area

I. Existing Situation

A. County/Basin:

Stark / Ohio River Basin

B. Facilities Planning Area:

Brewster

C. Designated Management Agency:

I. Primary DMAs

a) Village of Brewster

II. Secondary DMAs

a) Stark County Metropolitan Sewer District

D. Publicly-Owned Treatment Works:

Village of Brewster WWTP, 0.0665 MGD

E. Facilities Plan:

Village of Brewster, Stark County, Ohio: Facilities Plan. September, 1979. Prepared by Richland Engineering, Limited, Mansfield, Ohio.

F. Area Served:

Stark County - Village of Brewster, Sugar Creek Township (part), and Tuscarawas Township (part)

G. Receiving Stream:

Sugar Creek, tributary to the Tuscarawas River

H. Contact Person/Address/Phone/Fax:

a. Mr. Steve Hartman, Village Administrator

Village of Brewster

302 South Wabash Avenue

Brewster, Ohio 44613

Phone: (330) 767-3931

Fax: (330) 767-4607

b. Mr. Michael Armogida, P.E., Director

Stark County Metropolitan Sewer District

P.O. Box 7906

1701 Mahoning Road. N.E.

Canton, Ohio 44705-7906

Phone: (330) 438-9303

Fax: (330) 453-9044

I. Population Served:

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

	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
Brewster 201	4,090	-----	-----	-----	-----	-----
Approved 208	3,368	3,479	-----	-----	-----	-----

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 Village of Brewster, and the Stark County Metropolitan Sewer District, January 15, 2004

Village of Brewster Jurisdiction (in progress)

Areas currently sewered with sanitary sewers (yellow):

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

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 (SPSDSs) (green):

Areas that will be served by HSTSs and SPSDSs (cream):

Areas without a wastewater treatment planning prescription (white):

The above Wastewater Treatment Planning Prescriptions and Wastewater Planning Options need more detail. We encourage the village to provide sufficient wastewater prescriptions to allow Ohio EPA to effectively enforce the community=s wastewater planning desires.

Stark County Metropolitan Sewer District Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be

granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by a home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including

functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage, semi-public sewage treatment systems and sanitary sewers (green):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

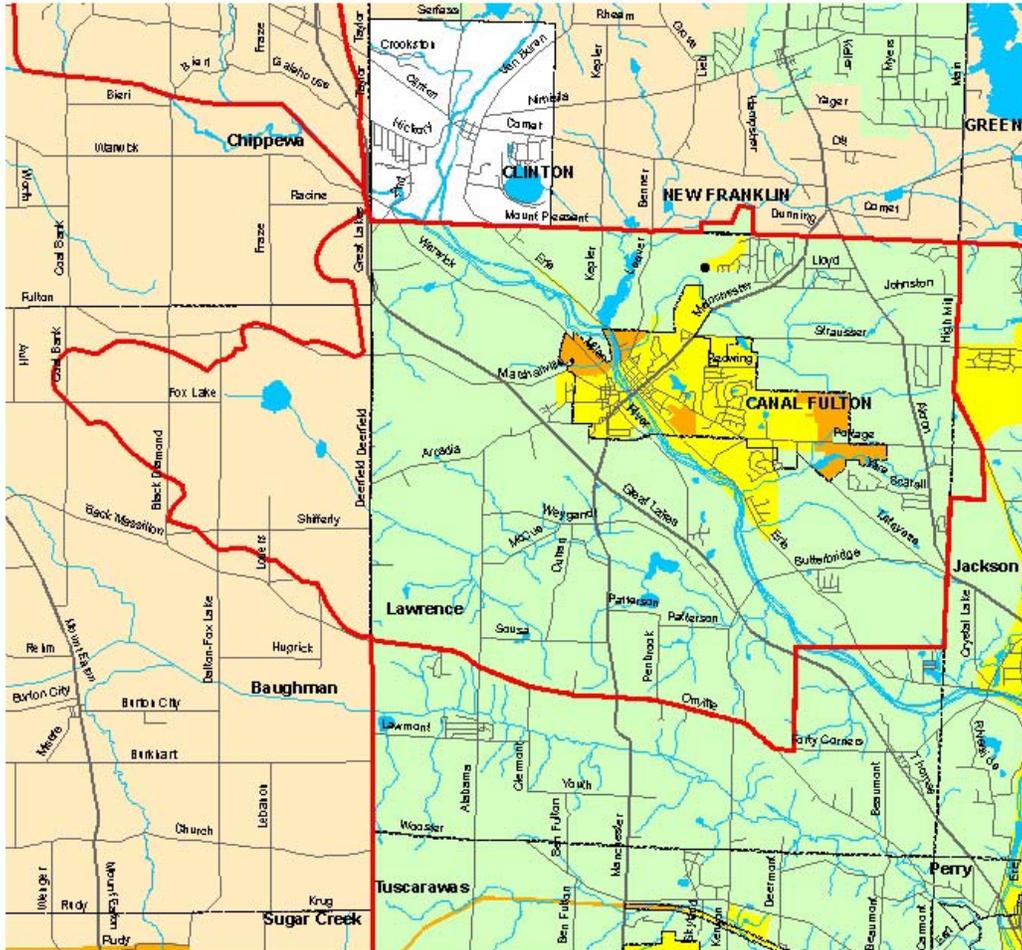
Upon becoming available to sanitary sewer, properties served by HSTSs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Appendix 3-11

Canal Fulton Facilities Planning Area

DRAFT

Canal Fulton Facilities Planning Area 208 Clean Water Plan Update



- 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 a Home Sewage or Semi-Public disposal System
- Areas without a Wastewater Treatment Planning Prescription
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Highway
- Road
- Publicly-Owned Wastewater Treatment Plant

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

Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

Canal Fulton Facilities Planning Area

I. Existing Situation

A. County/Basin:

Stark and Wayne / Ohio River Basin

B. Facilities Planning Area:

Canal Fulton

C. Designated Management Agency:

I. Primary DMAs

a) City of Canal Fulton

II. Secondary DMAs

a) Stark County Metropolitan Sewer District

b) Wayne County Office of Environmental Services

D. Publicly-Owned Treatment Works:

City of Canal Fulton WWTP, 1.5000 MGD

E. Facilities Plan:

Village of Canal Fulton, Stark County, Ohio and Adjacent Township Areas: Facilities Plan. June, 1976, revised April, 1977. Prepared by Shisler, Hunsinger & Associates.

An infiltration/inflow study was completed and certified in 1975.

F. Area Served:

Stark County - City of Canal Fulton, Jackson Township (part), and Lawrence Township (part)

Wayne County - Baughman Township (part) and Chippewa Township (part)

G. Receiving Stream:

Tuscarawas River

H. Contact Person/Address/Phone/Fax:

a. Mr. Dan Mayberry, Director of Public Utility Services
City of Canal Fulton
155 East Market Street Suite A
Canal Fulton, Ohio 44614
Phone: (330) 854-2044
Fax: (330) 854-6913

b. Mr. Michael Armogida, P.E., Director
 Stark County Metropolitan Sewer District
 P.O.Box 7906
 1701 Mahoning Road. N.E.
 Canton, Ohio 44705-7906
 Phone: (330) 438-9303
 Fax: (330) 453-9044

c. Mr. Tim Patterson, Director
 Office of Environmental Services
 County Administration Building
 428 West Liberty Street
 Wooster, Ohio 44691
 Phone: (330) 287-5408
 Fax: (330) 287-5425

I. Population Served:

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

Canal Fulton	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	-----	-----	-----	-----	-----	-----
Approved 208	17,440	-----	-----	-----	-----	-----

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 Canal Fulton, October 2003, the Stark County Metropolitan Sewer District, January 15, 2004, and the Wayne County Office of Environment Services (in progress).

City of Canal Fulton Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

The connection of existing structures to sanitary sewers shall be required by the Stark County Health Department where the structure is less than 400 feet from the sewer. This requirement for sewer connection may be waived should the owner of the structure establish that a sanitary sewer connection would cost 2 ½ times the cost of a best available treatment disposal system, or, if for other reasons, it is determined that connection is impractical. In order to verify the ratio, the owner must submit three (3) written quotes for a sanitary sewer connection and three (3) written quotes for a disposal

system installation.

With regard to new development/construction, distance to the sewer is not a fundamental consideration in and of itself. That is, connection to sanitary sewer can be required for new development/construction located not only less than 400 feet, but also greater than 400 feet from an existing sewer. Before a new home sewage disposal system or semi-public disposal system would be approved, it must first be established that the cost of a sanitary sewer connection is more than 2 ½ times as costly as a home sewage disposal system or semi-public disposal system, as set forth above. Further consideration as to the advisability of approving new home sewage or semi-public disposal systems would be reviewed critically on a case by case basis by the Stark County Health Department, taking into account all environmental and economic factors that may bear on the subject development/construction.

Home sewage disposal systems are discouraged for new subdivisions. Subdivisions are defined as divisions of property into four (4) or more parcels/lots. New subdivisions shall comply with Stark County Health Department Regulations, Chapter 3701-29-03, Paragraph B shall apply as follows: “No person shall install household sewage disposal systems in new subdivisions of four (4) or more lots unless it is considered to be impractical or inadvisable by the Board of Health and the Ohio Environmental Protection Agency to install a central sewage system”. Small wastewater treatment plants, commonly referred to as “package plants”, will not be approved for new residential, commercial or industrial subdivisions.

At time, sanitary sewer connections will, of necessary due to topography, require a pump station and force main. The City of Canal Fulton City Engineer shall review in detail all proposed force main connections 400 feet or greater in length, reserving to itself the authority to disallow connections due to the length of the force main and/or the nature and volume of waste to be discharged.

Canal Fulton Ordinance 31-81 Sanitary Connections Required Where Available

No person, either as owner, agent, renter, lessee or employee, shall build, construct, maintain or use on any lot or premise, within the City, any toilet, closet, or privy the excrement from which is deposited in a vault, excavation or receptacle, which vaults, excavation or receptacle is not connected with and flushed into a sanitary sewer, whenever such lots, lands or premises are capable of direct connection with any sanitary sewer.

Areas that will be served by a POTW or by home sewage or semi-public disposal system within twenty (20) years (orange):

These areas are project to receive sanitary sewers within the next 20 years but have not yet been sewerred. All wastewater generated by new major residential, commercial, and industrial land developed in this area will be required to connect to the public sanitary sewer system. The developer shall be required to extend new sanitary sewers as necessary to be connected to the municipally operated wastewater treatment facility.

Areas located outside the FPA and contiguous to the FPA desirous to receive sanitary sewer service connection will be required to annex to the City of Canal Fulton. HSTS or semi-public disposal system will be required to connect to the public sewer systems as they become available. Failing HSTS and semi-public systems may be updated in the absence of a sanitary sewer system. As sanitary sewers become available, within 200 feet of a building foundation, the owner will be required to connect to the public sewer systems.

The Stark County Sanitary Engineer's Office is responsible for areas of public sewers inside the overall FPA currently served by public sewers presently constructed and currently in use. These areas are regulated by the Stark County Sanitary Engineer's Office. Wastewater Treatment Planning Prescriptions and Wastewater Planning Options will be addressed by the Stark County Sanitary Engineer's Office.

Areas to be served by POTW (green):

Connections in this area to a sanitary sewer for treatment at a POTW will be rare but not impossible. The wastewater treatment planning prescription as described above for the currently sewered areas will apply to these areas.

Stark County Metropolitan Sewer District Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be

required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTSS provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTSS serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSS, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage and semi-public sewage disposal systems and sanitary sewers (cream):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

Upon becoming available to sanitary sewer, properties served by HSTSs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Wayne County Office of Environmental Services Jurisdiction (in progress)

Areas currently sewerred with sanitary sewers (yellow):

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

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 (SPSDSs) (green):

Areas that will be served by HSTSs and SPSDs (cream):

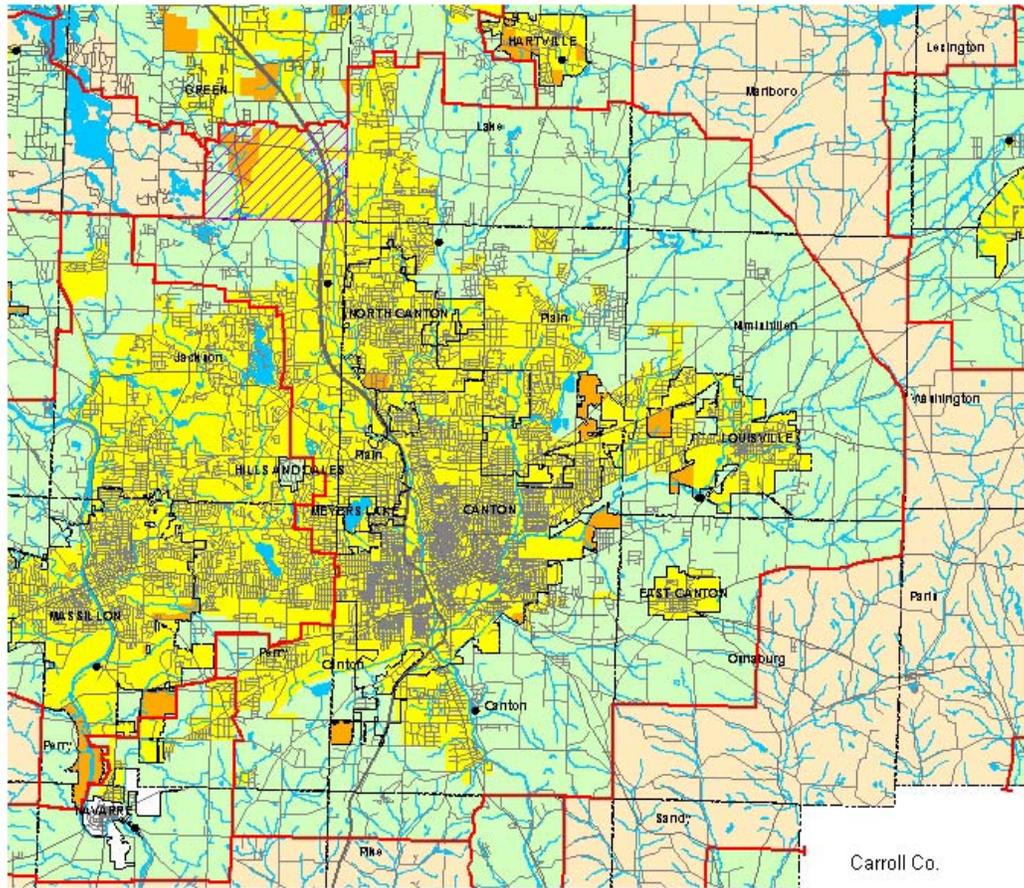
Areas without a wastewater treatment planning prescription (white):

Appendix 3-12

Canton - Nimishillen Basin Facilities Planning Area

DRAFT

Canton-Nimishillen Facilities Planning Area 208 Clean Water Plan Update



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

Northeast Ohio Four County Regional Planning and Development Organization, June 2005.

3-12-2

Canton - Nimishillen Basin Facilities Planning Area

I. Existing Situation

A. County/Basin:

Stark and Summit / Ohio River Basin

B. Facilities Planning Area:

Canton - Nimishillen Basin

C. Designated Management Agency:

I. Primary DMAs

- a) City of Canton
- b) City of Louisville
- c) Stark County Metropolitan Sewer District

II. Secondary DMAs

- a) Stark County Metropolitan Sewer District
- b) City of North Canton
- c) Summit County Department of Environmental Services

D. Publicly-Owned Treatment Works:

- a. Canton Water Pollution Control Center, 39.0000 MGD
- b. Louisville WWTP, 2.0000 MGD

E. Facilities Plan:

There are seven separate sewer plans within the FPA involving four different consulting firms. The following plans were prepared by Frank A. Thomas and Associates: P-407, the Whipple Avenue Relief Sewer Project, August 1974; P-409, the North Canton/Stark County Sewer Project, October 1975; P-413, the Akron-Canton Airport Sewer Project, October 1974; P-428, the Middlebranch Sewer Project, July 1972. The plans for P-405, the Kent State Sewer Project, were originally prepared by Floyd G. Browne & Associates and were revised by Cooper and Associates in October 1976.

On Project P-437, the Canton/Nimishillen Facilities Plan was submitted to the Ohio EPA in December 1984. Floyd G. Browne and Associates was the consultant for the City of Canton and lead consultant for the Facilities Plan. Frank A. Thomas & Associates was the consultant for the Village of East Canton and the unincorporated area of Stark County within the planning boundaries.

Louisville

Infiltration and Inflow Analysis, City of Louisville, Ohio, Burgess & Niple, Limited, November 1978; Sewer System Evaluation Survey, Phase I and Interim Report for the City of Louisville, Ohio, Burgess & Niple, Limited, May 1980. City of Louisville, Ohio Wastewater Treatment General Plan, Burgess & Niple, Limited, August 1985. Detailed plans of the proposed upgrade of the City of Louisville WWTP were reviewed and subsequently approved by the Ohio EPA- NEDO in January 1987. The original 201 Facilities Plan for the City of Louisville, titled Waste Treatment Alternatives for the City of Louisville, Ohio was prepared by Burgess and Niple, Limited in August 1979. This

201 Facilities Plan was incorporated into the Nimishillen Regional Facilities Plan, prepared by Floyd Browne Associates, Limited in December 1984.

Project 428 Area

Frank A. Thomas and Associates, Inc., Project 428 Facilities Plan, July 1976. Frank A. Thomas and Associates, Inc., Project 428 Facilities Plan Addendum, March 1979.

F. Area Served:

Stark County - City of Canton, City of North Canton, City of Louisville, Village of East Canton, Village of Myers Lake, Plain Township, Canton Township (part), Jackson Township (part), Lake Township (part), Nimishillen Township (part), Osnaburg Township (part), and Perry Township (part)

Summit County - City of Green (part)

G. Receiving Stream:

- a. Nimishillen Creek
- b. East Branch Nimishillen Creek
- c. Sherrick Run

H. Contact Person/Address/Phone/Fax:

- a. Mr. Tracy J. Mills, WPCO Superintendent
3530 Central Avenue, S.E.
Canton, Ohio 44707-1338
Phone: (330) 489-3080
Fax: (330) 489-3084

- b. Mr. Michael Armogida, P.E., Director
Stark County Metropolitan Sewer District
P.O.Box 7906
1701 Mahoning Road. N.E.
Canton, Ohio 44705-7906
Phone: (330) 438-9303
Fax: (330) 453-9044

- c. Mr. Jim Benekos, City Engineer
 City of North Canton
 145 North Main Street
 North Canton, Ohio 44720
 Phone: (330) 499-3465
 Fax: (330) 499-6036

- d. David Marquard, Director
 Summit County Department of Environmental Services
 2525 State Road
 Cuyahoga Falls, Ohio 44223
 Phone: (330) 926-2405
 Fax: (330) 926- 2471

- e. Mr. Tom Ault, City Manager
 City of Louisville
 215 South Mill Street
 Louisville, Ohio 44641
 Phone: (330) 875-3321
 Fax: (330) 875-9091

- f. Mr. Richard Friedl, Village Engineer
 Village of East Canton
 130 South Cedar Street
 East Canton, Ohio 44730
 PHONE: (330) 488-0220
 FAX: (330) 488-1300

I. Population Served:

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

Canton -						
Nimishillen Basin	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	253,997	-----	-----	-----	-----	-----
Approved 208	196,264	198,753	-----	-----	-----	-----
City of Louisville	8,904	7,859	7,730	7,648	-----	-----

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 Canton, January 15, 2004, the Stark County Metropolitan Sewer District, January 15, 2004, the City of North Canton, (in progress), the Summit County Department of Environmental Services, (in progress), the

City of Louisville, June 2002, and the Village of East Canton, January 15, 2004.

City of Canton Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement. All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Failing existing household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing or provide sanitary sewer service to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. Individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by failing HSTSs or failing semi-public sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided to ensure that wastewater will be transported and treated at an existing POTW. Failing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability, threat to public health, or other unique conditions. Publicly operated wastewater treatment plants, commonly referred to as “package plants,” will not be approved for new residential, commercial or industrial subdivisions.

Areas programmed for sewers within the next 20 years (orange):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to a POTW. The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. Individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that donations are

suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by sanitary sewers or sanitary sewer service must be provided to ensure that wastewater will be transported and treated at an existing POTW. Failing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability, threat to the public health, other unique conditions. Publicly operated wastewater treatment plants, commonly referred to as “package plants,” will not be approved for new residential, commercial or industrial subdivisions.

Stark County Metropolitan Sewer District and Village of East Canton Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will

not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage and semi-public sewage disposal systems and sanitary sewers (cream):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

Upon becoming available to sanitary sewer, properties served by HSTSs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

City of North Canton Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by home sewage or semi-public disposal system (orange):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the

proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage and semi-public sewage disposal systems and sanitary sewers (green):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA

requirements, depending upon authority granted by statute, if sewer is not available.

Upon becoming available to sanitary sewer, properties served by HSTSs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Stark-Summit Service Area (cross hatched):

New development in the Stark-Summit Service Area is recommended to be served with sanitary sewers discharging into either sanitary sewer outlets owned and operated by Stark County, one being at the County line on Greensburg Road and the other being on Mount Pleasant Road at Lauby Road. All developmental enterprises and non-residential land improvement companies shall be required to extend the necessary sanitary sewers within the Stark-Summit Service Area to provide service to their improvements, fully observing all regulations of governing agencies.

No HSTSs are recommended within this service area for new developments or subdivisions. However, HSTSs are appropriate for single-family houses within existing subdivisions served by such systems, or for new homes built on metes-and-bounds parcels not part of any subdivision and are not located adjacent to any publicly-owned sanitary sewer system. The decision shall be determined on a case-by-case basis and in accordance with local zoning, the local planning agency or the Summit County Health Department. If the installation of an HSTS has been denied, the individual residential unit(s) shall be required to connect to an existing county-owned sanitary sewer. In accordance with Rules established under Section 6117 of the Ohio Revised Code and applicable county rules, any (operating, failing, failed) HSTS, package plant, non-discharging and/or discharging semi-public system must connect to a county-owned sanitary sewer if the sanitary sewers are available.

City of Louisville 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, fully observing all regulations of the various 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 a POTW. In accordance with State law, all systems (HSTSs, SPSDS and package plants) are required to connect to existing sanitary sewer systems where available, even if a sewer extension is required.

Failing systems (HSTSs, SPSDS and package plants) shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 (OAC 3701-29-02).

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

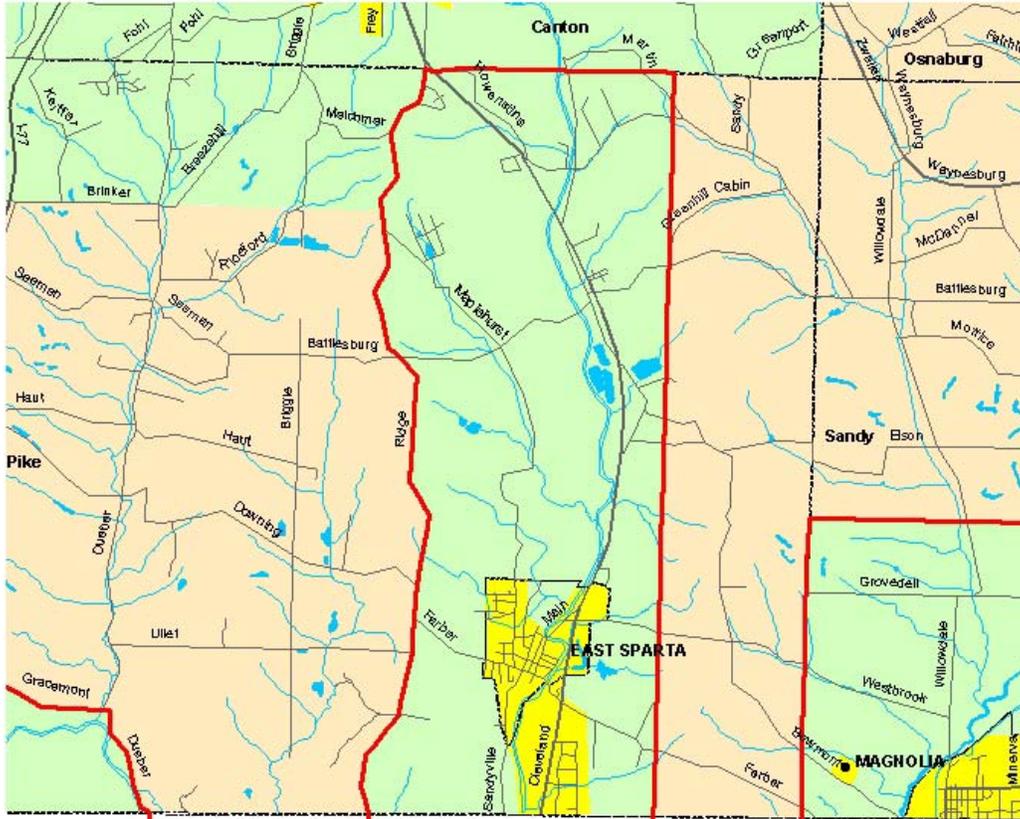
All new commercial, industrial, institutional and residential developments shall be required to connect to the sanitary sewer system, fully observing all regulations of the various governing agencies. The developer shall be required to extend new sanitary sewers from the proposed development to the existing sanitary sewer system that is served by a POTW. HSTSs shall be considered appropriate for new single-family homes constructed within existing subdivisions that are currently served by HSTSs and where an existing publicly owned sanitary sewer system is not available to the properties. HSTSs shall be considered appropriate for new single family houses built on metes-and-bounds parcels that are not part of an existing subdivision and are not located adjacent to any publicly owned sanitary sewer system. The decision shall be determined on a case-by-case basis and in accordance with applicable State and County laws. Existing commercial, industrial, institutional and residential properties in these areas shall be required to connect to the sanitary sewer, as it becomes available, for removal of sanitary wastewater from the existing properties, in accordance with applicable State and County laws. Failing HSTSs serving single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 (OAC 3701-29-02).

Appendix 3-13

East Sparta Facilities Planning Area

DRAFT

East Sparta Facilities Planning Area 208 Clean Water Plan Update

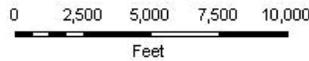


Tuscarawas Co.

Carroll Co.

- 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 a Home Sewage or Semi-Public disposal System
- Areas without a Wastewater Treatment Planning Prescription
- Lakes and Ponds

- FPA Boundary
- Stream
- Community Boundary
- Highway
- Road
- Publicly-Owned Wastewater Treatment Plant



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

Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-13-2

East Sparta Facilities Planning Area

I. Existing Situation

A. County/Basin:

Stark and Tuscarawas / Ohio River Basin

B. Facilities Planning Area:

East Sparta

C. Designated Management Agency:

I. Primary DMAs

a) Tuscarawas County

II. Secondary DMAs

a) Stark County Metropolitan Sewer District

D. Publicly-Owned Treatment Works:

Sandyville WWTP, 0.5000 MGD

E. Facilities Plan:

East Sparta - Pike Township Sanitary Sewerage Study, August, 1974, Quicksall and Associates

F. Area Served:

Stark County - Village of East Sparta, Canton Township (part), and Pike Township (part)

Tuscarawas County - Village of Sandyville, and Sandy Township (part)

G. Receiving Stream:

Nimishillen Creek

H. Contact Person/Address/Phone/Fax:

a. Mr. Tim Renner, Superintendent

Tuscarawas County Department of Water and Sewer

9944 Wilkshire Blvd.

Bolivar, Ohio 44612

Phone: (330) 874-3262

Fax: (330) 874-4203

b. Mr. Michael Armogida, P.E., Director

Stark County Metropolitan Sewer District

P.O.Box 7906

1701 Mahoning Road. N.E.

Canton, Ohio 44705-7906

Phone: (330) 438-9303

Fax: (330) 453-9044

I. Population Served:

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

East Sparta	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	3,909	-----	-----	-----	-----	-----
Approved 208	3,033	3,153	-----	-----	-----	-----

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 Stark County Metropolitan Sewer District, January 15, 2004.

Stark County Metropolitan Sewer District, Canton Township, Pike Township, and Village of East Sparta Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will

be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage and semi-public sewage disposal systems and sanitary sewers (cream):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving

more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

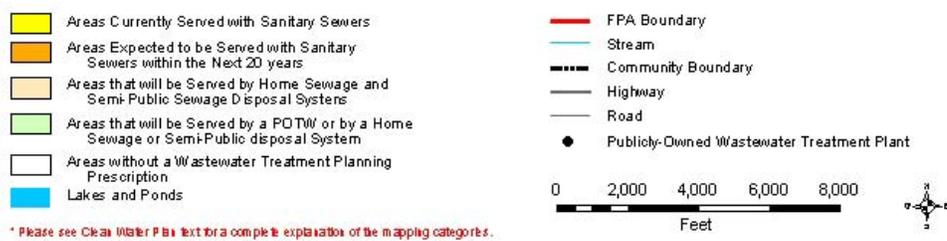
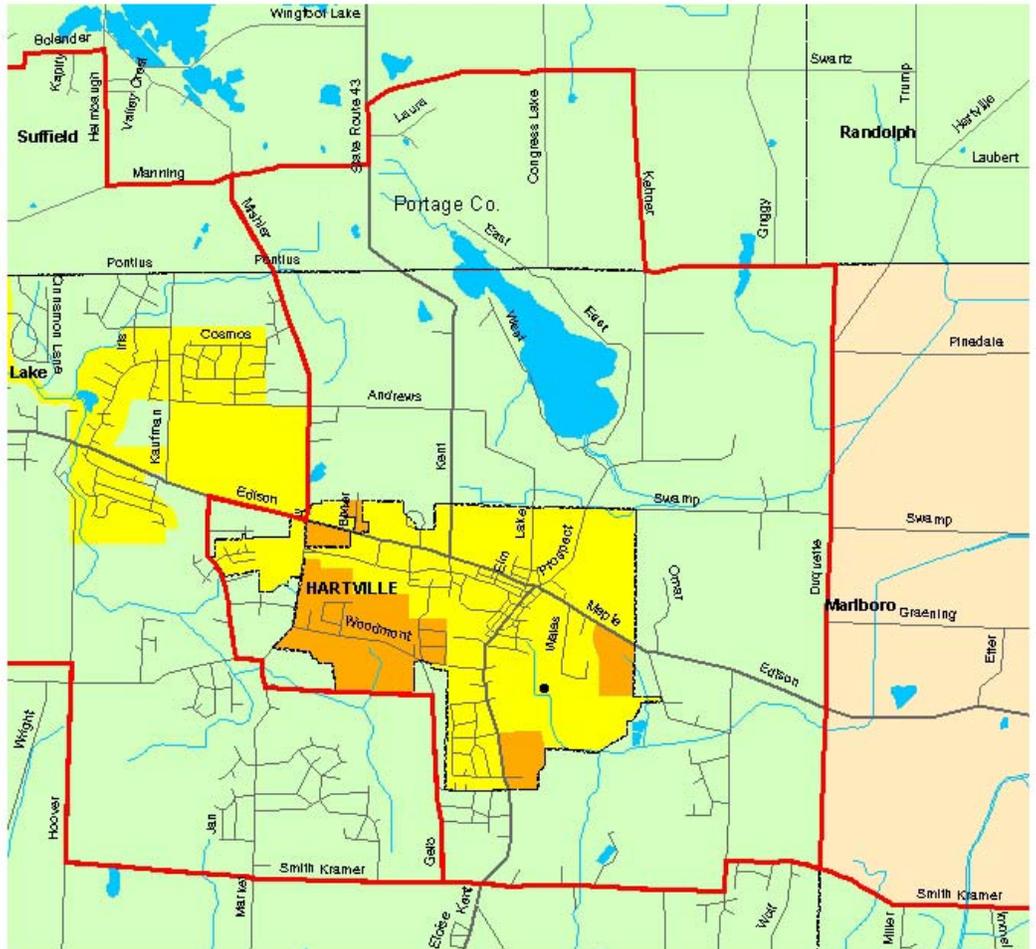
Upon becoming available to sanitary sewer, properties served by HSTSs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Appendix 3-14

Hartville Facilities Planning Area

DRAFT

Hartville Facilities Planning Area 208 Clean Water Plan Update



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

Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-14-2

Hartville Facilities Planning Area

I. Existing Situation

A. County/Basin:

Stark and Portage / Lake Erie and Ohio River Basin

B. Facilities Planning Area:

Village of Hartville

C. Designated Management Agency:

I. Primary DMAs

a) Village of Hartville

II. Secondary DMAs

a) Stark County Metropolitan Sewer District

b) Portage County Water Resources Department

D. Publicly-Owned Treatment Works:

Village of Hartville WWTP, 0.45000 MGD, 0 package plants

E. Facilities Plan:

None

F. Area Served:

Stark County - Village of Hartville, Lake Township (part)

Portage County - Suffield Township (part)

G. Receiving Stream:

Hartville Ditch and then to Swartz Ditch which is a tributary to the Middle Branch of Nimishillen Creek and the Tuscarawas River

H. Contact Person/Address/Phone/Fax:

a. Mr. Tom Graber, WWTP Manager

Village of Hartville

202 West Maple Street

Hartville, Ohio 44632

Phone: (330) 877-2861

Fax: (330) 877-9778

b. Mr. Michael Armogida, P.E., Director

Stark County Metropolitan Sewer District

P.O.Box 7906

1701 Mahoning Road. N.E.

Canton, Ohio 44705-7906

Phone: (330) 438-9303

Fax: (330) 453-9044

c. Mr. Harold Huff, Director/Sanitary Engineer
 Portage County Water Resources Department
 Portage County Administration Building
 449 South Meridian Street
 P.O. Box 1217
 Ravenna, Ohio 44266-1217
 Phone: (330) 297-3670
 Fax: (330) 297-3680

I. Population Served:

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

Hartville	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	----- not prepared -----					
Approved 208	6,957	7,497	-----	-----	-----	-----

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 Village of Hartville, February 2002, Portage County Water Resources Department (Portage County Regional Sewer District, June 30, 2000).

Village of Hartville Jurisdiction

Areas currently served 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 systems (HSTSSs, SPSDs 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. Developers or property owners will be required to extend sewer services to their far property line when connection is required to the existing sewer system.

Areas expected to be served with sanitary sewers within the next 20 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 all 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 the existing sanitary

sewer system that is served by the 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, even if a sewer extension is required. New HSTSs may be used but will be abandoned upon failure.

Stark County Metropolitan Sewer District Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage and semi-public sewage disposal systems and sanitary sewers (cream):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

Upon becoming available to sanitary sewer, properties served by HSTs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTs, variances to any

provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Portage County Water Resources Development Jurisdiction

Areas that will be served by home sewage and semi-public sewage disposal systems (green):

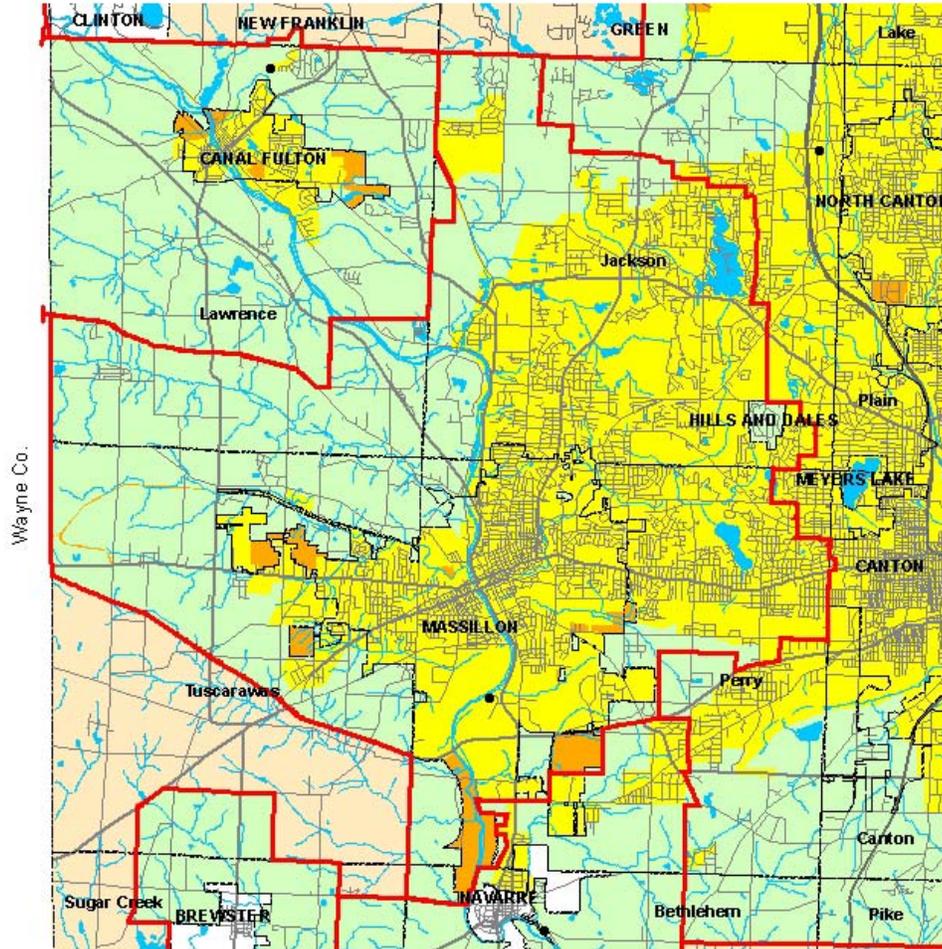
Future development will be served by an existing POTW modified or expanded as required to handle the flow or a non-discharging sewage disposal system. Non-discharging systems including on-site septic systems and systems in which the effluent is applied to the land are locally permitted at this time. New discharging systems are only permitted for repair of existing systems in cases where both central sewer and non-discharging systems are not available.

Appendix 3-15

Massillon Facilities Planning Area

DRAFT

Massillon Facilities Planning Area 208 Clean Water Plan Update



- 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 a Home Sewage or Semi-Public disposal System
 - Areas without a Wastewater Treatment Planning Prescription
 - Lakes and Ponds
 - FPA Boundary
 - Stream
 - Community Boundary
 - Highway
 - Road
 - Publicly-Owned Wastewater Treatment Plant
- 0 5,000 10,000 15,000 20,000 Feet

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

Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-15-2

Massillon Facilities Planning Area

I. Existing Situation

A. County/Basin:

Stark/Ohio River Basin

B. Facilities Planning Area:

City of Massillon

C. Designated Management Agency:

I. Primary DMAs

a) City of Massillon

II. Secondary DMAs

a) Stark County Metropolitan Sewer District

D. Publicly-Owned Treatment Works:

City of Massillon WWTP

Current average daily flow 12.5 mgd after upgrade is completed

Average daily flow 15.8 mgd in last quarter 2004

E. Facilities Plan:

This is an update to the 1998 update to the 1976 Facilities Plan

Frank A. Thomas and Associates, Inc., Facilities Plan for the Massillon - Stark County

Regional Sewerage System, April 1976. An infiltration/inflow study was completed and

certified in 1976. General Plan for Wastewater Treatment Plant Improvements submitted

to OEPA on July 16, 1985 (R. Bushman, City of Massillon).

F. Area Served:

Stark County – City of Massillon, Perry Township (part), Jackson Township (part),

Tuscarawas Township (part), Bethlehem Township (part), North Lawrence (part), City of

Canton (part)

G. Receiving Stream:

Tuscarawas River

H. Contact Person/Address/Phone/Fax:

a) Steve Hamit, P.E. City Engineer

City of Massillon

151 Lincoln Way East

Massillon, OH 44646

Phone: 330-830-1722

Fax: 330-830-1786

b) Joe Ulrich, WWTP Manager

City of Massillon

2700 Treatment Road SW

Massillon, OH 44647

Phone: 330-833-3046

Fax: 330-830-3646

c) Michael Armogida, P.E., Director

Stark County Metropolitan Sewer District

P. O. Box 7906

1701 Mahoning Road NE

Canton, OH 44705-7906

Phone: 330-438-9393

Fax: 330-453-9044

I. **Population Served:**

Not available at this time.

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

Original source information provided by the City of Massillon, December 15, 2003, and the Stark County Metropolitan Sewer District, January 15, 2004.

City of Massillon Jurisdiction

Areas currently served (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement. All new developments in this planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability, threat to the public health, or other unique conditions.

Areas that will eventually be served by sewers (orange):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to a POTW. (In accordance with section 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creations of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. Individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by failing HSTSs or failing semi-public sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided to ensure that wastewater will be transported and treated at an existing POTW. Failing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability, threat to the public health, or other unique conditions. Publicly operated wastewater treatment plants, commonly referred to as “package plants,” will not be approved for new residential, commercial or industrial subdivisions.

Areas that will be served by home sewage, semi-public sewage treatment systems and sanitary sewers (green):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare. Privately operated sewage treatment systems will be allowed based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Failing HSTSs will be required to be repaired in accordance with local Board of Health requirements if sewer is not available. Upon becoming available or accessible to sanitary sewer, properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability, threat to public health, or other unique conditions. Publicly operated wastewater treatment plants, commonly referred to as “package plants,” will not be approved for new residential, commercial or industrial subdivisions.

Stark County Metropolitan Sewer District Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential

subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage and semi-public sewage disposal systems and sanitary sewers (cream):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be

permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

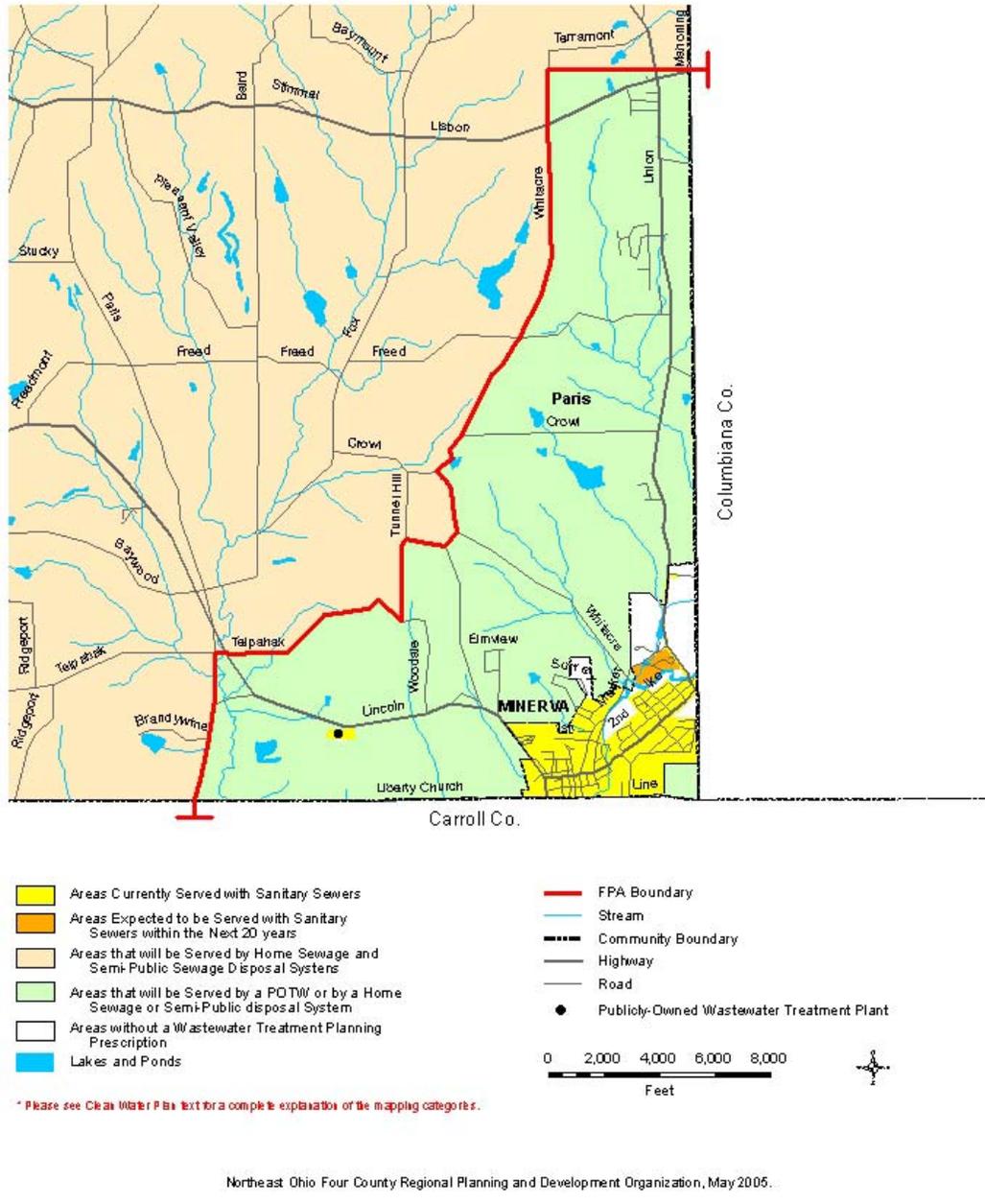
Upon becoming available to sanitary sewer, properties served by HSTSs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Appendix 3-16

Minerva Facilities Planning Area

DRAFT

Minerva Facilities Planning Area 208 Clean Water Plan Update



3-16-2

Minerva Facilities Planning Area

I. Existing Situation

A. County/Basin:

Stark, Carroll and Columbiana / Ohio River Basin

B. Facilities Planning Area:

Minerva

C. Designated Management Agency:

I. Primary DMAs

- a) Village of Minerva
- b) Stark County Metropolitan Sewer District

II. Secondary DMAs

- a) Stark County Metropolitan Sewer District

D. Publicly-Owned Treatment Works:

Minerva WWTP, MGD

E. Facilities Plan:

No facilities plan has been prepared for the Minerva FPA. A facilities report titled Facilities Plan for Wastewater Collection and Treatment was prepared by Jones and Henry in 1976. The report included an I/I analysis. A report entitled Evaluation of Existing Wastewater Treatment Facilities was prepared by Snell Environmental Group, Inc. in 1982. A general plan for wastewater treatment improvements was submitted to the Ohio EPA in January 1985.

F. Area Served:

Stark County - Village of Minerva, Paris Township (part)

Carroll County - August Township (part) and Brown Township (part)

Columbiana County - West Township (part)

G. Receiving Stream:

Sandy Creek

H. Contact Person/Address/Phone/Fax:

- a. Mr. Dave Hard, Service Director
Village of Minerva
209 North Market Street
Minerva, Ohio 44657
Phone: (330) 868-7705
Fax: (330) 868-4700

- b. Mr. Michael Armogida, P.E., Director
 Stark County Metropolitan Sewer District
 P.O. Box 7906
 1701 Mahoning Road. N.E.
 Canton, Ohio 44705-7906
 Phone: (330) 438-9303
 Fax: (330) 453-9044

- c. Mr. Burt Dawson, County Engineer
 Columbiana County Engineering Department
 235 South Market Street
 Lisbon, Ohio 44432
 Phone: (330) 424-1740
 Fax: (330) 424-0259

- d. Mr. David Miskimen, County Engineer
 Carroll County Engineering Department
 200 Kensington Road
 Carrollton, Ohio 44615
 Phone: (330) 627-4110
 Fax: (330) 627-3661

I. Population Served:

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

Minerva	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	----- not prepared -----					
Approved 208	3,801	3,898	-----	-----	-----	-----

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 Village of Minerva, November 1, 2001, and the Stark County Metropolitan Sewer District, January 15, 2004..

Village of Minerva Jurisdiction (in progress)

Areas currently sewered with sanitary sewers (yellow):

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

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 (SPSDSs) (green):

Areas that will be served by HSTSs and SPSDSs (cream):

Areas without a wastewater treatment planning prescription (white):

Stark County Metropolitan Sewer District Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer

availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage and semi-public sewage disposal systems and sanitary sewers (cream):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

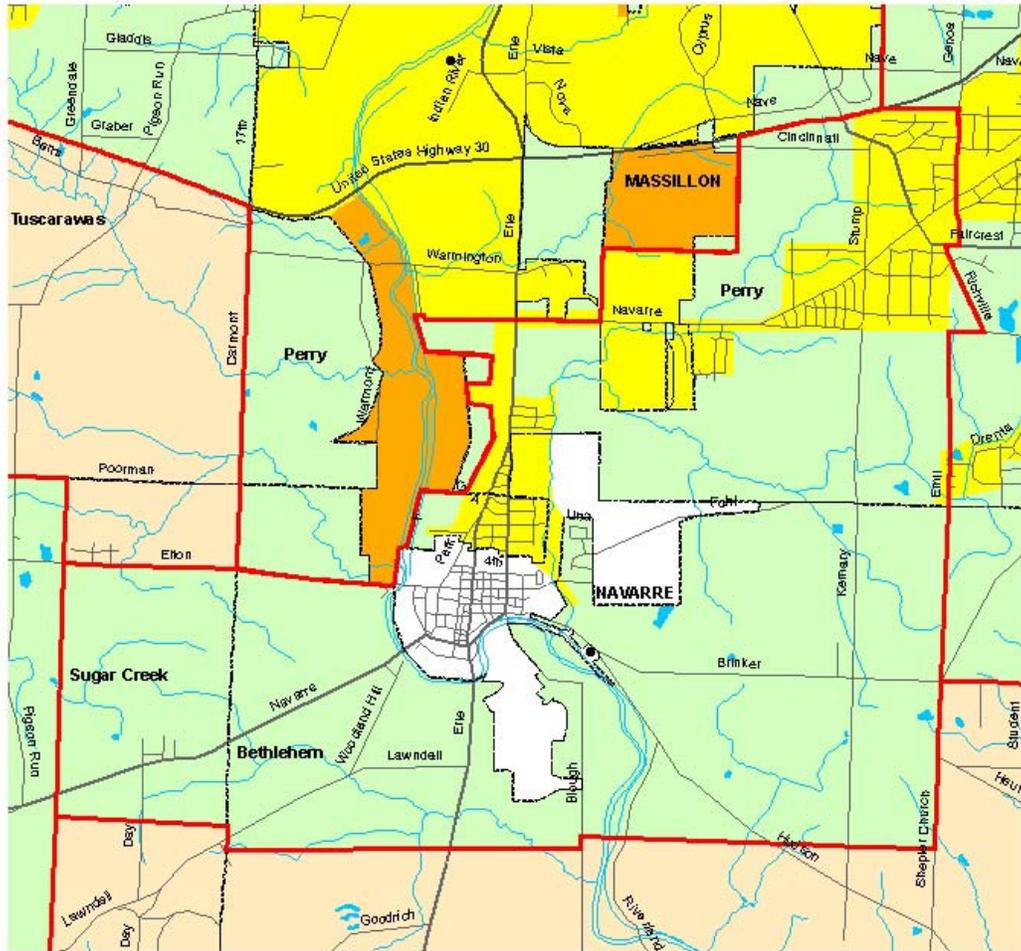
Upon becoming available to sanitary sewer, properties served by HSTSs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Appendix 3-17

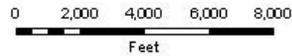
Navarre Facilities Planning Area

DRAFT

Navarre Facilities Planning Area 208 Clean Water Plan Update



- 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 a Home Sewage or Semi-Public disposal System
- Areas without a Wastewater Treatment Planning Prescription
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Highway
- Road
- Publicly-Owned Wastewater Treatment Plant



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

Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-17-2

Navarre Facilities Planning Area

I. Existing Situation

A. County/Basin:

Stark / Ohio River Basin

B. Facilities Planning Area:

Navarre

C. Designated Management Agency:

I. Primary DMAs

- a) Village of Navarre
- b) Stark County Metropolitan Sewer District

II. Secondary DMAs

- a) Stark County Metropolitan Sewer District

D. Publicly-Owned Treatment Works:

Navarre WWTP, 1.0000 MGD

E. Facilities Plan:

The Navarre Facilities Plan, a segmented facilities plan, was prepared by George A. Fielder and Associated of Dover, Ohio, October 17, 1983. The Navarre plan addresses all of the FPA except the northeast portion (Richville area). The Richville area, known as P-352, is northeast of the village wholly within Perry Township. P-352 has an existing plan which has been update by Frank A. Thomas and Associates.

F. Area Served:

Stark County - Village of Navarre, Bethlehem Township (part), Sugar Creek Township (part), Tuscarawas Township (part), Perry Township (part)

G. Receiving Stream:

Tuscarawas River

H. Contact Person/Address/Phone/Fax:

- a. Mr. Jeff Seward, Utility Superintendent
Village of Navarre
27 West Canal Street
Navarre, Ohio 44662
Phone: (330) 879-2317
Fax: (330) 879-5508

b. Mr. Michael Armogida, P.E., Director
 Stark County Metropolitan Sewer District
 P.O. Box 7906
 1701 Mahoning Road. N.E.
 Canton, Ohio 44705-7906
 Phone: (330) 438-9303
 Fax: (330) 453-9044

I. Population Served:

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

Navarre	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	10,956	-----	-----	-----	-----	-----
Approved 208	9,307	10,489	-----	-----	-----	-----

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 Village of Navarre, (in progress) and the Stark County Metropolitan Sewer District, January 15, 2004.

Village of Navarre Jurisdiction (in progress)

Areas currently sewerred with sanitary sewers (yellow):

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

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 (SPSDSs) (green):

Areas that will be served by HSTSs and SPSDSs (cream):

Areas without a wastewater treatment planning prescription (white):

Stark County Metropolitan Sewer District Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and

three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that

wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage and semi-public sewage disposal systems and sanitary sewers (cream):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

Upon becoming available to sanitary sewer, properties served by HSTSs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Appendix 3-18

Waynesburg - Magnolia Facilities Planning Area

Waynesburg - Magnolia Facilities Planning Area

I. Existing Situation

A. County/Basin:

Stark and Carroll / Ohio River Basin

B. Facilities Planning Area:

Waynesburg - Magnolia

C. Designated Management Agency:

I. Primary DMAs

a) Stark County Metropolitan Sewer District

II. Secondary DMAs

a) Stark County Metropolitan Sewer District

D. Publicly-Owned Treatment Works:

E. Facilities Plan:

Waynesburg - Magnolia Area Facilities Plan, Augaust, 1975. Frank A. Thomas and Associates, Inc. Facilities Plan Update, March, 1980. Hammondtree and Associates, Ltd. The original Plan included an I and I Analysis.

F. Area Served:

Stark County - Village of Waynesburg, Village of Magnolia (part), and Sandy Township (part)

Carroll County - Village of Magnolia (part), Rose Township (part), and Brown Township (part)

G. Receiving Stream:

Sandy Creek tributary to Tuscarawas River

H. Contact Person/Address/Phone/Fax:

a. Mr. David Sickafoose, Water Superintendent
Village of Waynesburg
P.O. Box 610
Waynesburg, Ohio 44688
Phone: (330) 866-2644
Fax: (330) 866-8416

b. Mr. Michael Armogida, P.E., Director
 Stark County Metropolitan Sewer District
 P.O. Box 7906
 1701 Mahoning Road. N.E.
 Canton, Ohio 44705-7906
 Phone: (330) 438-9303
 Fax: (330) 453-9044

I. Population Served:

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

Waynesburg - Magnolia	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	-----	-----	-----	-----	-----	-----
Approved 208	3,358	-----	-----	-----	-----	-----

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 Village of Waynesburg, and the Stark County Metropolitan Sewer District, January 15, 2004.

Village of Waynesburg, Stark County Metropolitan Sewer District (Village of Magnolia) Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by home sewage or semi-public disposal

system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage and semi-public sewage disposal systems and sanitary sewers (cream):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

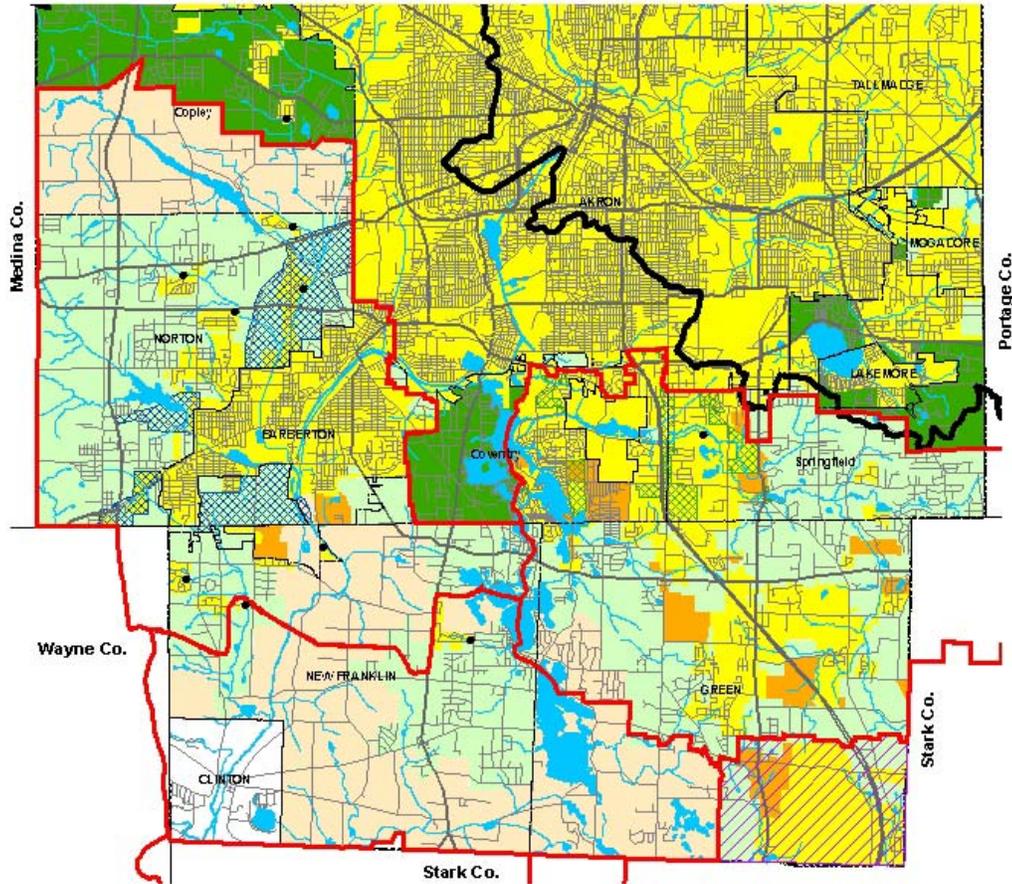
Upon becoming available to sanitary sewer, properties served by HSTSs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Appendix 3-19

Summit County Facilities Planning Areas (FPA)

DRAFT

Summit County Facilities Planning Areas 208 Clean Water Plan Update



- 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
- Joint Economic Development District (Lake Erie Basin Plan)
- Areas without a Wastewater Treatment Planning Prescription
- Akron Joint Economic Development District
- Barberton-Norton Joint Economic Development District
- Stark-Summit Service Area
- Lakes and Ponds
- FPA Boundary
- Basin Divide
- Stream
- Community Boundary
- Road
- Highway
- Publicly-Owned Wastewater Treatment Plant

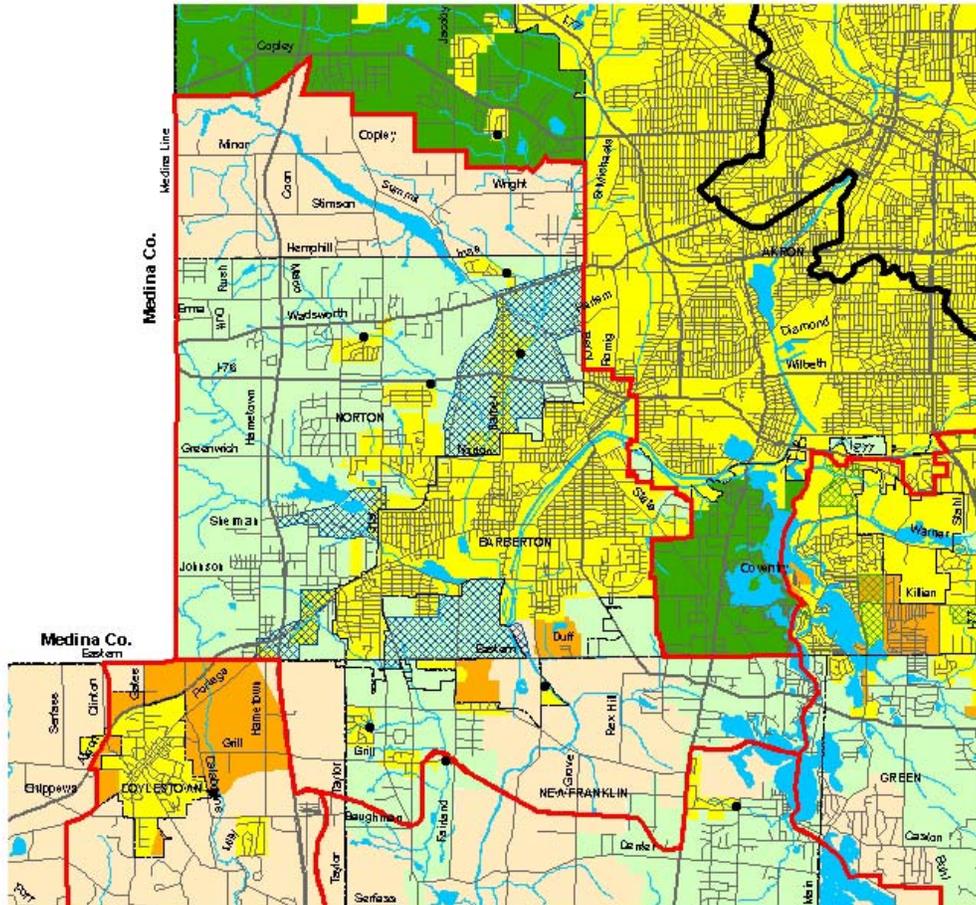
* Please see Clean Water Plan text for a complete explanation of the mapping categories.
Northeast Ohio Four County Regional Planning and Development Organization, July 2005.

Appendix 3-20

Barberton - Wolf Creek Facilities Planning Area

DRAFT

Barberton-Wolf Creek Facilities Planning Area 208 Clean Water Plan Update



- 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
 - Joint Economic Development District (Lake Erie Basin Plan)
 - Akron Joint Economic Development District
 - Barberton-Norton Joint Economic Development District
 - Lakes and Ponds
 - FP A Boundary
 - Basin Divide
 - Stream
 - Community Boundary
 - Highway
 - Road
 - Publicly-Owned Wastewater Treatment Plant
- 0 4,000 8,000 12,000 16,000 Feet

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

Northeast Ohio Four County Regional Planning and Development Organization, July 2005.

3-20-2

Barberton-Wolf Creek Facilities Planning Area

I. Existing Situation

A. County/Basin:

Summit / Ohio River Basin

B. Facilities Planning Area:

Barberton-Wolf Creek

C. Designated Management Agency:

I. Primary DMA

- a) City of Barberton
- b) City of Akron

II. Secondary DMAs

- a) City of Barberton
- b) Summit County Department of Environmental Services
- c) City of Akron

D. Publicly-Owned Treatment Works:

Barberton WWTP 6.0 MGD

E. Facilities Plan:

Burgess and Niple, Ltd. and John David Jones and Associates, Inc., Barberton-Wolf Creek Facilities Plan for Wastewater Collection and Treatment, October 1978, Volumes I and II. Burgess and Niple, Ltd., Barberton-Wolf Creek Wastewater Facilities Plan Update, February 1983. Burgess and Niple, Ltd., Barberton-Wolf Creek Facilities Plan Update '85, September 1985.

F. Area Served:

Summit County - City of Barberton, City of Norton, Copley Township (part), Franklin Township (part), Coventry Township (part), and Chippewa Township (part)

G. Receiving Stream:

Tuscarawas River

H. Contact Person/Address/Phone/Fax:

- a. Mr. Richard J. Waltz, Director of Utilities
Utilities Department
City of Barberton
576 W. Park Ave
Barberton, OH 44203
Phone: (330) 848-6720
Fax: (330) 848-6664

- b. David Marquard, Director of Environmental Services
Summit County Department of Environmental Services
2525 State Road
Cuyahoga Falls, Ohio 44223
Phone: (330) 926-2405
Fax: (330) 926-2471
- c. Jeff Pritchard
Community Development Director
City of Norton
4060 Columbia Woods Dr.
Norton, Ohio 44203
Phone: (330) 825-7815 x 49
- d. Mark Koheiser
Zoning Inspector
Village of New Franklin
PO BOX 367
Akron, Ohio 44319
Phone: (330) 882-4611

I. Population Served:

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

Barberton - Wolf Creek	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	76,790	77,470	-----	-----	-----	-----
Approved 208	65,679	66,962	-----	-----	-----	-----

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 Summit County Department of Environmental Services, (in progress), and City of Barberton, November 22, 2000.

City of Barberton

Areas currently sewerred with sanitary sewers (yellow):

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. However, there are undeveloped tracts of land and vacant lots subject to improvement. All new development and construction in the yellow areas of this facilities planning area will be required to connect to and/or provide sanitary sewer service to ensure that wastewater will be treated at an existing publicly-owned treatment works (POTW). Failing home sewage treatment systems (HSTSs) serving single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 (OAC 3701-29-02).

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

These areas are proposed to be served with sanitary sewers. However, there may be undeveloped tracts of land and vacant lots subject to improvement. All new development and construction in the yellow areas of this facilities planning area will be required to connect to and/or provide sanitary sewer service to ensure that wastewater will be treated at an existing publicly-owned treatment works (POTW) with modifications or expansions as required to handle the flow. Existing non-residential private treatment systems (semi-public), which cease to operate properly, shall be abandoned and connection made to the existing sanitary sewer system. Failing HSTs serving single family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02.

Areas that will be served by a publicly-owned treatment works (POTW) or by home sewage treatment systems (HSTs), semi-public sewage disposal systems (SPSDs), and other non-discharging systems (green):

No HSTs are recommended for new commercial, industrial, institutional and residential development. However, HSTs shall be considered appropriate for new single-family houses constructed within existing subdivisions that are available to properties. HSTs shall also be considered appropriate for new single family houses built on metes-and-bounds parcels that are not part of any existing subdivision and are not located adjacent to any publicly-owned sanitary sewer.

All new commercial, industrial, institutional and residential subdivision developments 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 governing agencies. The developer shall be required to extend new sewer sanitary sewers as necessary from the proposed development to the existing sanitary sewer system that is served by an existing POTW. Failing systems in need of repair/replacement will be required to connect to the existing sanitary sewer facilities, even if a sewer extension is required.

Summit County Department of Environmental Services Jurisdiction - City of Norton

Areas Currently Sewered (yellow):

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. Any new development and construction in the yellow areas of this facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly-owned treatment works (POTW). As sanitary sewers become available, properties served by existing home sewage treatment systems (HSTs) or semi-public/private treatment systems will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW. Failing HSTs or semi-public/private wastewater treatment systems shall be abandoned in accordance with the Ohio Administrative Code 3701-29 and be required to provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW.

Areas that will be served by a POTW or by On-site Non-discharging Systems (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction.

All new subdivision development, whether residential or non-residential, will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable to assure there will be no off-lot discharge of effluent. All proposed new commercial, industrial, and institutional development, located where access to sanitary sewer is not currently available, may be considered for installation of a new semi-public or private sewage treatment system provided the local health department or OEPA and the local Sanitary Engineer concur that a public wastewater collection system will remain unavailable for the foreseeable future. When sanitary sewers become available, all existing systems will be required to connect to sanitary sewers to ensure that wastewater will be treated at an existing POTW.

Existing (developed) multi-family, commercial, industrial, and institutional properties, major and minor subdivisions, along with single-family home HSTSs within this area, shall be required to connect to the sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems shall be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA or local health department.

All failing HSTSs must be repaired or replaced to meet the standards found within OAC 3701-29, providing that the local health department finds a suitable treatment system design and installation that meets state and local requirements. All failing semi-public/private treatment systems must be repaired or replaced as required by the OEPA. The local planning agency, health department, OEPA and the local Sanitary Engineer must also concur that a public wastewater collection system will remain unavailable for the foreseeable future.

Joint Economic Development District Areas (dark green hatch)

City of Norton-City of Barberton Joint Economic Development Districts (Fairland Road, Lake Dorothy, Barber Road, and Wooster Road Districts)

A contract exists between the City of Norton and the City of Barberton, a Joint Economic Development District (JEDD) that provides for sanitary sewer service being extended into JEDD areas pursuant to contract terms. The “prescriptions” for the JEDD Service Areas are as follows:

Areas Currently Sewered (yellow):

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. Any new development and construction in the yellow areas of this

facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly-owned treatment works (POTW). As sanitary sewers become available, properties served by existing home sewage treatment systems (HSTSs) or semi-public/private treatment systems will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW. Failing HSTSs or semi-public/private wastewater treatment systems shall be abandoned in accordance with the Ohio Administrative Code 3701-29-02 and be required to provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW.

Areas that will be served by a POTW or by On-site Non-discharging Systems (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Also, experimental systems as defined by the Ohio Department of Health are prohibited as a wastewater treatment option in this area.

All new subdivision development, whether residential or non-residential, will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable to assure there will be no off-lot discharge of effluent. All proposed new commercial, industrial, and institutional development, located where access to sanitary sewer is not currently available, may be considered for installation of a new semi-public or private sewage treatment system provided the local health department or OEPA and the local Sanitary Engineer concur that a public wastewater collection system will remain unavailable for the foreseeable future. When sanitary sewers become available, all existing systems will be required to connect to sanitary sewers to ensure that wastewater will be treated at an existing POTW.

Existing (developed) multi-family, commercial, industrial, and institutional properties, major and minor subdivisions, along with single-family home HSTSs within this area, shall be required to connect to the sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems shall be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA or local health department.

All failing HSTSs must be repaired or replaced to meet the standards found within OAC 3701-29, providing that the local health department finds a suitable treatment system design and installation that meets state and local requirements. All failing semi-public/private treatment systems must be repaired or replaced as required by the OEPA. The local planning agency, health department, OEPA and the local Sanitary Engineer must also concur that a public wastewater collection system will remain unavailable for the foreseeable future.

Summit County Department of Environmental Services Jurisdiction- Copley Township

Areas Currently Sewered (yellow):

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. Any new development and construction in the yellow areas of this facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be treated and discharged at an existing publicly-owned treatment works (POTW) . Failing home sewage treatment systems (HSTSs) serving single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 unless sewer service is not available, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29. Existing non-single-family private treatment systems which fail to operate properly will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW.

Areas That Will be Served by a POTW or by On-Site Non-discharging Systems (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. All new subdivision development, whether residential or non-residential will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable to assure there will be no off-lot discharge of effluent. Land irrigation is prohibited as a wastewater treatment option in this area and in no case shall a system providing an off-lot discharge of effluent be permitted for new construction.

Failing HSTSs shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 unless sewer service is not available, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29 providing that the local health department finds that the soils are suitable or agrees to another disposal method that will not cause an off-lot discharge of effluent.

When sanitary sewers become available all wastewater systems will be required to connect to sanitary sewers to ensure that wastewater will be treated at an existing POTW.

Areas That Will be Served by On-site Non-discharging Systems: (cream):

This area is comprised of large undeveloped tracts of land and vacant lots subject to improvement. These are areas in which new development is expected to be “large-lot” low density, with non-discharging household and semi-public disposal systems as the primary method for the treatment of wastewater. Existing HSTSs and non-single-family private treatment systems, which fail to operate properly, will be required to be replaced and or upgraded. The decision to replace or repair existing HSTSs shall be determined on a case-by-case basis and in accordance with the local planning agency and the local health department.

If any new development or subdivision is proposed with a system other than an on-lot

non-discharging system, the proposed system must receive written approval from the Ohio EPA, local health department, local planning department, and have been proven as safe, reliable, and effective in Northeast Ohio. A performance bond and written guarantee shall be requested from the designer, the developer, and individual owner and any homeowners' association involved in the subdivision.

Land irrigation is prohibited as a wastewater treatment option in this area and in no case shall a system providing an off-lot discharge of effluent be permitted for new construction.

Northern Copley Township within the Yellow Creek Service Area

1. The area of Copley Township West of I-77 (South Hametown Road Area)

All new residential subdivision developments and new commercial, industrial, institutional establishments within West Interstate Route 77 sanitary sewer service area shall be required to connect to the existing sanitary sewer system for the removal of sanitary wastewater from each new building unit or facility, fully observing all regulations of governing agencies. The developer or owner shall be required to extend new sanitary sewers as necessary from the proposed development of facility to the existing sewer system that is served by an existing, but not necessarily specified, publicly-owned wastewater treatment facility.

Home sewage treatment systems (HSTSs) may be considered appropriate for new single family houses constructed on "metes-and-bounds" parcels or within existing subdivisions if such parcel or subdivision is not currently served with sanitary sewer, and provided the new structure is not within 200 feet of an existing sanitary sewer.

Failing HSTSs serving existing buildings (residential or otherwise) in need of repair/replacement will be required to connect to the existing sanitary sewer facilities if a sanitary sewer service is reasonably available. The definition of reasonable will be left to local discretion. The Summit County Department of Environmental Services will not arbitrate in these cases.

2. The area of Copley Township East of I-77 (Rothrock Road Area)

All new residential subdivision developments, new residential buildings constructed on "metes-and-bounds" parcels and new commercial, industrial, institutional establishments within the East Interstate Route 77 sanitary sewer service area shall be required to connect to the existing sanitary sewer system for the removal of sanitary wastewater from each new building unit or facility, fully observing all regulations of governing agencies. The developer or owner shall be required to extend new sanitary sewers as necessary from the proposed development or facility to the existing sewer system that is served by an existing, but not necessarily specified, publicly-owned wastewater treatment facility. All failing HSTSs in need of repair/replacement will be required to connect to the existing sanitary sewer facilities, even if a sewer extension is required.

Joint Economic Development District Service Areas (dark green)

Copley Township – City of Akron Joint Economic Development District:

A Joint Economic Development District (JEDD) contract exists between the City of Akron and the Copley Township Trustees providing for sanitary sewer service being extended to JEDD areas and to township service areas pursuant to contract terms by the City of Akron upon approval of Copley Township Trustees. The City of Akron's "prescriptions" for this JEDD Service Area are as follows:

Areas Currently Sewered (yellow)

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. Any new development and construction in the yellow areas of this facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be treated and discharged at an existing POTW. Failing home sewage treatment systems (HSTSs) serving single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Existing non-single-family private treatment systems which fail to operate properly will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW.

Existing Developed Areas (orange)

Existing (developed) commercial, industrial, institutional and residential properties within the sanitary service area shall be required to connect to the sanitary sewer, as it becomes available, for the removal of sanitary wastewater.

Areas that will be served by a POTW or by On-Site Non-discharging Systems (green):

All new residential developments and new commercial, industrial, institutional establishments within the sanitary sewer service area shall be required to connect to the existing sanitary sewer system for the removal of sanitary wastewater, fully observing all regulations of governing agencies. The developer or owner shall be required to extend new sanitary sewers from the proposed development to the existing sanitary sewer system that is served by an existing POTW or regional facility.

Failing systems of existing commercial, and institutional establishments, in need of repair or replacement, will be required to connect to the existing sanitary sewer that is served by an existing POTW, even if a sewer extension is required.

No home sewage treatment systems (HSTSs) are recommended within the sanitary sewer service area for new commercial, industrial, institutional, or residential developments. Non-discharging HSTSs shall be considered appropriate for new single-family homes constructed within existing subdivisions located within the sanitary sewer service area if an existing publicly owned sanitary sewer system is not available to such properties. HSTSs shall also be considered appropriate for new single-family houses built on metes-and-bounds parcels within the sanitary sewer service area that are not part of an existing subdivision and are not located adjacent to any publicly owned sanitary sewer system. The decision to require connection to sanitary sewer shall be determined on a case-by-case basis and in accordance with local zoning, the local planning agency and the Summit County Health Department, as required. Land irrigation is prohibited as a wastewater treatment option in this area.

Summit County Department of Environmental Services Jurisdiction - Coventry Township
Areas Currently Sewered (yellow):

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. Any new development and construction in the yellow areas of this facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be treated and discharged at an existing publicly-owned treatment works (POTW). Failing home sewage treatment systems (HSTSs) serving single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 unless sewer service is not available, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29. Existing non-single-family private treatment systems which fail to operate properly will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW.

Areas That Will be Served by a POTW or by On-Site Non-discharging Systems (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. All new subdivision development, whether residential or non-residential will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable to assure there will be no off-lot discharge of effluent.

Land irrigation is prohibited as a wastewater treatment option in this area and in no case shall a system providing an off-lot discharge of effluent be permitted for new construction.

Failing HSTSs shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 unless sewer service is not available, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29 providing that the local health department finds that the soils are suitable or agrees to another disposal method that will not cause an off-lot discharge of effluent.

When sanitary sewers become available all wastewater systems will be required to connect to sanitary sewers to ensure that wastewater will be treated at an existing POTW.

Areas That Will be Served by On-site Non-discharging Systems: (cream):

This area is comprised of large undeveloped tracts of land and vacant lots subject to improvement. These are areas in which new development is expected to be “large-lot” low density, with non-discharging household and semi-public disposal systems as the primary method for the treatment of wastewater. Existing HSTSs and non-single-family private treatment systems, which fail to operate properly, will be required to be replaced and or upgraded. The decision to replace or repair existing HSTSs shall be determined on a case-by-case basis and in accordance with the local planning agency and the local

health department. If any new development or subdivision is proposed with a system other than an on-lot non-discharging system, the proposed system must receive written approval from the Ohio EPA, local health department, local planning department, and have been proven as safe, reliable, and effective in Northeast Ohio. A performance bond and written guarantee shall be requested from the designer, the developer, and individual owner and any homeowners' association involved in the subdivision. Land irrigation is prohibited as a wastewater treatment option for this area.

Summit County Department of Environmental Services Jurisdiction - Village of New Franklin

Areas Currently Sewered (yellow):

These areas are served with sanitary sewers that have been constructed and are currently in operation. Any new development and construction in the yellow areas of this facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly-owned treatment works (POTW). As sanitary sewers become available, properties served by existing home sewage treatment systems (HSTs) or semi-public/private treatment systems will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW. Failing HSTs or semi-public/private wastewater treatment systems shall be abandoned and be required to provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW.

Areas That Will be Served by a POTW or by On-Site Non-discharging Systems (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. New single family, multi-family, commercial, industrial, institutional sites and all subdivisions in this area may be improved with new HSTs or semi-public/private treatment systems provided the local health department or OEPA finds a suitable treatment system design and installation that meets state and local requirements and assures there will be no off-lot discharge of effluent. The local planning agency, health department, OEPA and the local Sanitary Engineer must concur that a public wastewater collection system will remain unavailable for the foreseeable future. All sites will be required to connect and/or provide sanitary service if the regulating agencies find it appropriate and sanitary service is located at a reasonable distance from the land to be developed.

Existing (developed) multi-family, commercial, industrial, and institutional properties, major and minor subdivisions, along with single-family home HSTs within this area shall be required to connect to the sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater.

All failing HSTs must be repaired or replaced to meet the standards found within OAC 3701-29 and the local health department regulations. All failing semi-public/private treatment systems must be repaired or replaced as required by the OEPA. The local planning agency, health department, OEPA and the local Sanitary Engineer must also

concur that a public wastewater collection system will not be available for some time. All failing sites will be required to connect and/or provide sanitary service if the regulating agencies find it appropriate and sanitary service is located at a reasonable distance from the land to be developed.

Land irrigation is prohibited as a wastewater treatment option in this area.

Areas That Will be Served by On-site Non-discharging Systems: (cream):

This area is comprised of large undeveloped tracts of land and vacant lots subject to improvement. These are areas in which new development is expected to be “large-lot” low density, with non-discharging household and semi-public/private disposal systems as the primary method for the treatment of wastewater. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSTSs provided the local health department finds a suitable treatment system design and installation that meets state and local requirements and assures there will be no off-lot discharge of effluent. All new multi-family, commercial, industrial, institutional and major and minor subdivisions in this area shall install on-site non-discharging semi-public/private treatment systems providing that the local health department and the OEPA finds that the soils are suitable.

Failing HSTSs and semi-public/private wastewater treatment systems will be required to be repaired, replaced and or upgraded. The decision to replace or repair existing HSTSs shall be determined on a case-by-case basis and in accordance with the local planning agency and the local health department and the OEPA.

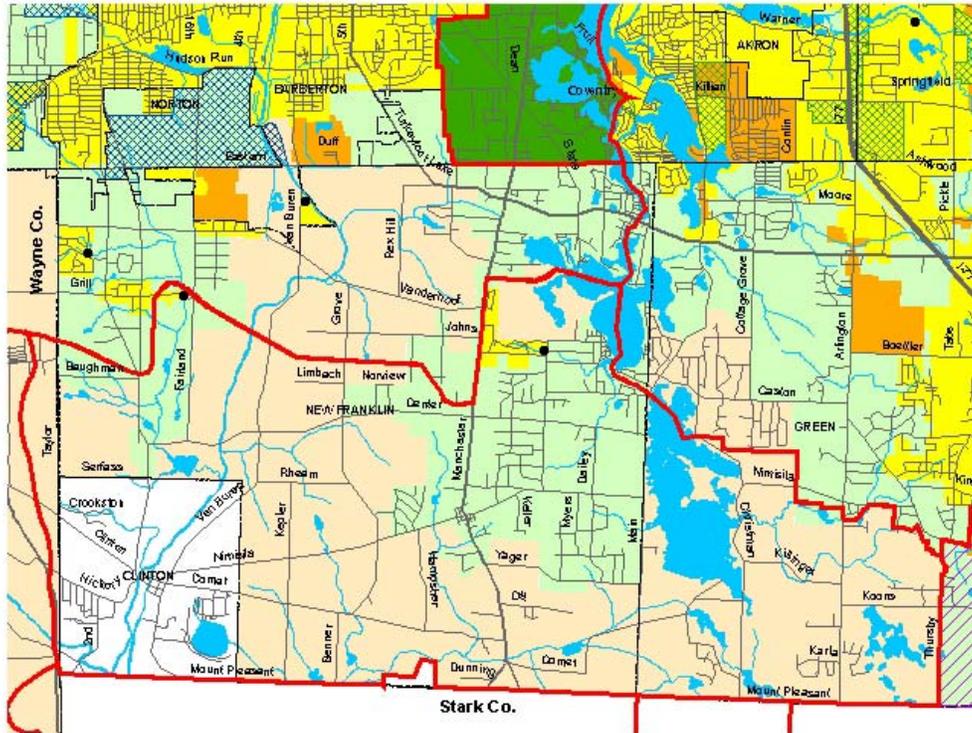
Land irrigation is prohibited as a wastewater treatment option in this area.

Appendix 3-21

Franklin - Green Facilities Planning Area

DRAFT

Franklin-Green Facilities Planning Area 208 Clean Water Plan Update



- 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
- Joint Economic Development District (Lake Erie Basin Plan)
- Areas without a Wastewater Treatment Planning Prescription
- Akron Joint Economic Development District
- Barberton-Norton Joint Economic Development District
- Stark-Summit Service Area
- Lakes and Ponds
- FP A Boundary
- Stream
- Community Boundary
- Highway
- Road
- Publicly-Owned Wastewater Treatment Plant



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

Northeast Ohio Four County Regional Planning and Development Organization, July 2005.

3-21-2

Franklin-Green Facilities Planning Area

I. Existing Situation

A. County/Basin:

Summit and Stark / Ohio River Basin

B. Facilities Planning Area:

Franklin-Green Facilities Planning Area

C. Designated Management Agency:

I. Primary DMA

a) Summit County Department of Environmental Services

II. Secondary DMA

a) Stark County Metropolitan Sewer District

b) Wayne County Office of Environmental Services

D. Publicly-Owned Treatment Works:

Zelray WWTP - serving residential subdivision

Broken Fence WWTP - serving residential subdivision

E. Facilities Plan:

Franklin-Green Facilities Plan, John David Jones and Associates, Inc., December 1977, revised December 1978 and June 1979.

F. Area Served:

Summit County - Coventry Township (part), Springfield Township (part), Franklin Township (part) and the City of Green (part)

Stark County - Lake Township (part)

Wayne County - Chippewa Township (part)

G. Receiving Stream:

Tuscarawas River

H. Contact Person/Address/Phone/Fax:

a. David Marquard, Director of Environmental Services
Summit County Department of Environmental Services
2525 State Road
Cuyahoga Falls, Ohio 44223
Phone: (330) 926-2405
Fax: (330) 926-2471

- b. Mr. Michael Armogida, P.E., Director
 Stark County Metropolitan Sewer District
 P.O. Box 7906
 1701 Mahoning Road N.E.
 Canton, Ohio 44705-7906
 Phone: (330) 438-9303
 Fax: (330) 453-9044
- c. Mark Koheiser
 Zoning Inspector
 Village of New Franklin
 PO BOX 367
 Akron, Ohio 44319
 Phone: (330) 882-4611

I. Population Served:

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

Franklin-Green	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	28,280	-----	-----	-----	-----	-----
Approved 208	27,400	-----	-----	-----	-----	-----
*City of Green	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
	22,817	21,830	21,930	23,260	23,920	25,027

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.

*These projections were adopted by NEFCO’s Board in 2000. Prepared by the Northeast Ohio Four County Regional Planning and Development Organization (NEFCO) and the Akron Metropolitan Area Transportation Study (AMATS), May 2000.

II. Wastewater Treatment Planning Prescription and Wastewater Planning Options

Original source information provided by the Summit County Department of Environmental Services, (June 2003 and in progress), Wayne County Office of Environmental Services, (in progress), and Stark County Metropolitan Sewer District, January 15, 2004.

Stark County Metropolitan Sewer District Jurisdiction

Areas that will be served by HSTSs, SPSDSs, and other non-discharging systems (cream):

These are rural areas with large undeveloped tracts of land and vacant lots subject to improvement with a limited number of subdivisions using HSTSs as the primary method for wastewater treatment. These are areas in which new development is expected to be

“large-lot” low density, with non-discharging household treatment and semi-public disposal systems as the primary method for the treatment of wastewater. Existing HSTSs and non-single-family private treatment systems, which fail to operate properly, will be required to be replaced and/or upgraded.

Areas currently served (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will eventually be served by sewers (orange):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of

Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage, semi-public sewage treatment systems and sanitary sewers (green):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

Upon becoming available to sanitary sewer, properties served by HSTSs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any

provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Summit County Department of Environmental Services Jurisdiction - Village of New Franklin

Areas Currently Sewered (yellow):

These areas are served with sanitary sewers that have been constructed and are currently in operation. Any new development and construction in the yellow areas of this facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly-owned treatment works (POTW). As sanitary sewers become available, properties served by existing home sewage treatment systems (HSTSs) or semi-public/private treatment systems will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW. Failing HSTSs or semi-public/private wastewater treatment systems shall be abandoned and be required to provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW.

Areas That Will be Served by a POTW or by On-Site Non-discharging Systems (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. New single family, multi-family, commercial, industrial, institutional sites and all subdivisions in this area may be improved with new HSTSs or semi-public/private treatment systems provided the local health department or OEPA finds a suitable treatment system design and installation that meets state and local requirements and assures there will be no off-lot discharge of effluent. The local planning agency, health department, OEPA and the local Sanitary Engineer must concur that a public wastewater collection system will remain unavailable for the foreseeable future. All sites will be required to connect and/or provide sanitary service if the regulating agencies find it appropriate and sanitary service is located at a reasonable distance from the land to be developed.

Existing (developed) multi-family, commercial, industrial, and institutional properties, major and minor subdivisions, along with single-family home HSTSs within this area shall be required to connect to the sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater.

All failing HSTSs must be repaired or replaced to meet the standards found within OAC 3701-29 and the local health department regulations. All failing semi-public/private treatment systems must be repaired or replaced as required by the OEPA. The local planning agency, health department, OEPA and the local Sanitary Engineer must also

concur that a public wastewater collection system will not be available for some time. All failing sites will be required to connect and/or provide sanitary service if the regulating agencies find it appropriate and sanitary service is located at a reasonable distance from the land to be developed.

Land irrigation is prohibited as a wastewater treatment option in this area.

Areas That Will be Served by On-site Non-discharging Systems: (cream):

This area is comprised of large undeveloped tracts of land and vacant lots subject to improvement. These are areas in which new development is expected to be “large-lot” low density, with non-discharging household and semi-public/private disposal systems as the primary method for the treatment of wastewater. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSTSs provided the local health department finds a suitable treatment system design and installation that meets state and local requirements and assures there will be no off-lot discharge of effluent. All new multi-family, commercial, industrial, institutional and major and minor subdivisions in this area shall install on-site non-discharging semi-public/private treatment systems providing that the local health department and the OEPA finds that the soils are suitable.

Failing HSTSs and semi-public/private wastewater treatment systems will be required to be repaired, replaced and or upgraded. The decision to replace or repair existing HSTSs shall be determined on a case-by-case basis and in accordance with the local planning agency and the local health department and the OEPA.

Land irrigation is prohibited as a wastewater treatment option in this area.

Summit County Department of Environmental Services Jurisdiction – City of Green

Areas Currently Sewered (yellow):

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. Any new development and construction in the yellow areas of this facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be treated and discharged at an existing publicly-owned treatment works (POTW). Failing home sewage treatment systems (HSTSs) serving single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 unless sewer service is not available, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29. Existing non-single-family private treatment systems which fail to operate properly will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW.

Areas Programmed for Sewers Within the Next 20 Years (orange):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. All new commercial, industrial, institutional and residential developments in this area shall be required to connect to the existing sanitary sewer system, for the

removal and treatment of sanitary wastewater, fully observing all regulations of governing agencies. The developer shall be required to extend new sanitary sewers from any proposed development to the existing sanitary system served by a POTW or regional facility.

Existing (developed) commercial, industrial, institutional and residential properties within this area shall be required to connect to the sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater.

Non-single-family private treatment systems which fail to operate properly will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW.

Failing HSTSs serving single-family homes shall be abandoned in accordance with the OAC 3701-29-02. HSTSs shall be considered appropriate for new single-family homes built on metes-and-bounds parcels within this area that are not part of any existing subdivision and are not located adjacent to any publicly owned sanitary sewer system. The decision to require connection to sanitary sewer shall be determined on a case-by-case basis, and in accordance with local zoning, the local planning agency, and provided that the local health department finds that the soils are suitable to assure there will be no off-lot discharge of effluent. Land irrigation is prohibited as a wastewater treatment option in this area.

Areas That Will be Served by a POTW or by On-Site Non-discharging Systems (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. All new subdivision development, whether residential or non-residential will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable to assure there will be no off-lot discharge of effluent. Land irrigation is prohibited as a wastewater treatment option in this area and in no case shall a system providing an off-lot discharge of effluent be permitted for new construction.

Failing HSTSs shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 unless sewer service is not available, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29 providing that the local health department finds that the soils are suitable or agrees to another disposal method that will not cause an off-lot discharge of effluent.

When sanitary sewers become available all wastewater systems will be required to connect to sanitary sewers to ensure that wastewater will be treated at an existing POTW.

Areas That Will be Served by On-site Non-discharging Systems: (cream):

This area is comprised of large undeveloped tracts of land and vacant lots subject to improvement. These are areas in which new development is expected to be “large-lot” low density, with non-discharging household and semi-public disposal systems as the primary method for the treatment of wastewater. Existing HSTSs and non-single-family private treatment systems, which fail to operate properly, will be required to be replaced and or upgraded. The decision to replace or repair existing HSTSs shall be determined on a case-by-case basis and in accordance with the local planning agency and the local health department.

If any new development or subdivision is proposed with a system other than an on-lot non-discharging system, the proposed system must receive written approval from the Ohio EPA, local health department, local planning department, and have been proven as safe, reliable, and effective in Northeast Ohio. A performance bond and written guarantee shall be requested from the designer, the developer, and individual owner and any homeowners’ association involved in the subdivision.

Land irrigation is prohibited as a wastewater treatment option in this area and in no case shall a system providing an off-lot discharge of effluent be permitted for new construction.

Stark-Summit Service Area (cross hatched)

New development in the Stark-Summit Service Area is recommended to be served with sanitary sewers discharging into either sanitary sewer outlets owned and operated by Stark County, one being at the County line on Greensburg road and the other being on Mount Pleasant Road at Lauby Road. All new commercial, industrial, institutional and residential development, for which there has not been a previous off-lot or off-parcel discharge of treated wastewater will be required to connect to existing sanitary sewers in the Stark-Summit Service Area. All developmental enterprises and non-residential land improvement companies shall be required to extend the necessary sanitary sewers within the Stark-Summit Service Area to provide service to their improvements, fully observing all regulations of governing agencies.

No HSTSs are recommended within this service area for new developments or subdivisions. However, HSTSs are appropriate for single family houses within existing subdivisions served by such systems, or for new homes built on metes-and-bounds parcels not part of any subdivision and are not located adjacent to any publicly-owned sanitary sewer system. The decision to require connection to sanitary sewer shall be determined on a case-by-case basis and in accordance with local zoning, the local planning agency and the Summit County Health Department, as required. If the installation of an HSTS has been denied, the individual residential unit(s) shall be required to connect to an existing county-owned sanitary sewer. In accordance with Rules established under Section 6117 of the Ohio Revised Code and applicable county rules, any (operating, failing, failed) HSTS, package plant, non-discharging and or discharging semi-public system must connect to a county-owned sanitary sewer if the sanitary sewers are available.

July 20, 2005

3-21-11

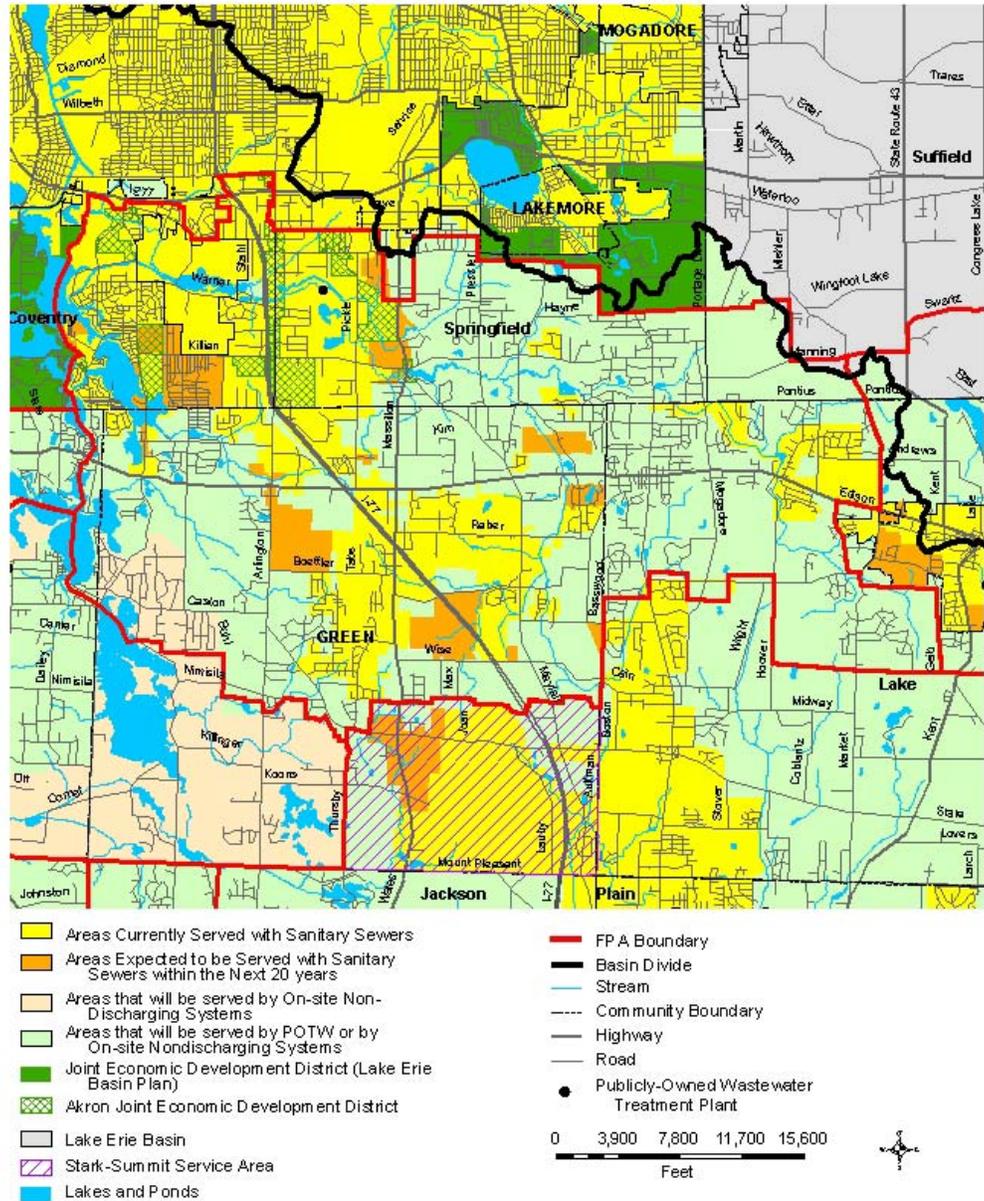
NEFCO APPROVED DRAFT

Appendix 3-22

Springfield No. 91 Facilities Planning Area

DRAFT

Springfield No. 91 Facilities Planning Area 208 Clean Water Plan Update



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

Northeast Ohio Four County Regional Planning and Development Organization, July 2005.

3-22-2

Springfield No. 91 Facilities Planning Area

I. Existing Situation

A. County/Basin:

Summit, Stark and Portage / Ohio River Basin

B. Facilities Planning Area:

Springfield No. 91

C. Designated Management Agency:

I. Primary DMA

a) Summit County Department of Environmental Services

II. Secondary DMAs

a) Portage County Water Resources Department

b) Stark County Metropolitan Sewer District

D. Publicly-Owned Treatment Works:

Springfield No. 91 WWTP, 4.0000 MGD

E. Facilities Plan:

Springfield Facilities Plan, John David Jones and Associates, Inc., April, 1975, revised July, 1975.

F. Area Served:

Summit County - Coventry Township (part), Springfield Township (part), Franklin Township (part) and the City of Green (part)

Portage County - Suffield Township (part)

Stark County - Lake Township (part)

G. Receiving Stream:

Tuscarawas River

H. Contact Person/Address/Phone/Fax:

a. David Marquard, Director of Environmental Services
Summit County Department of Environmental Services
2525 State Road
Cuyahoga Falls, Ohio 44223
Phone: (330) 926-2405
Fax: (330) 926-2471

- b. Mr. Harold Huff, Director/Sanitary Engineer
 Portage County Water Resources Department
 Portage County Administration Building
 449 South Meridian Street
 P.O. Box 1217
 Ravenna, Ohio 44266-1217
 Phone: (330) 297-3670
 Fax: (330) 297-3680
- c. Mr. Michael Armogida, P.E., Director
 Stark County Metropolitan Sewer District
 P.O. Box 7906
 1701 Mahoning Road N.E.
 Canton, Ohio 44705-7906
 Phone: (330) 438-9303
 Fax: (330) 453-9044

I. Population Served:

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

Springfield	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	41,040	-----	-----	-----	-----	-----
Approved 208	40,310	-----	-----	-----	-----	-----

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 Prescriptions and Wastewater Planning Options

Original source information provided by the Summit County Department of Environmental Services, (June 2003 and in progress), and Stark County Metropolitan Sewer District, January 15, 2004.

Summit County Department of Environmental Services Jurisdiction – City of Green Areas Currently Sewered (yellow):

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. Any new development and construction in the yellow areas of this facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be treated and discharged at an existing publicly-owned treatment works (POTW). Failing home sewage treatment systems (HSTSs) serving single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 unless sewer service is not available, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29. Existing non-single-family private treatment systems which fail to operate properly will be required to

connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW.

Areas Programmed for Sewers Within the Next 20 Years (orange):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. All new commercial, industrial, institutional and residential developments in this area shall be required to connect to the existing sanitary sewer system, for the removal and treatment of sanitary wastewater, fully observing all regulations of governing agencies. The developer shall be required to extend new sanitary sewers from any proposed development to the existing sanitary system served by a POTW or regional facility.

Existing (developed) commercial, industrial, institutional and residential properties within this area shall be required to connect to the sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater.

Non-single-family private treatment systems which fail to operate properly will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW.

Failing HSTSs serving single-family homes shall be abandoned in accordance with the OAC 3701-29-02. HSTSs shall be considered appropriate for new single-family homes built on metes-and-bounds parcels within this area that are not part of any existing subdivision and are not located adjacent to any publicly owned sanitary sewer system. The decision to require connection to sanitary sewer shall be determined on a case-by-case basis, and in accordance with local zoning, the local planning agency, and provided that the local health department finds that the soils are suitable to assure there will be no off-lot discharge of effluent. Land irrigation is prohibited as a wastewater treatment option in this area.

Areas That Will be Served by a POTW or by On-Site Non-discharging Systems (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. All new subdivision development, whether residential or non-residential will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable to assure there will be no off-lot discharge of effluent. Land irrigation is prohibited as a wastewater treatment option in this area and in no case shall a system providing an off-lot discharge of effluent be permitted for new construction.

Failing HSTSs shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 unless sewer service is not available, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29 providing that the local health

department finds that the soils are suitable or agrees to another disposal method that will not cause an off-lot discharge of effluent.

When sanitary sewers become available all wastewater systems will be required to connect to sanitary sewers to ensure that wastewater will be treated at an existing POTW.

Areas That Will be Served by On-site Non-discharging Systems: (cream):

This area is comprised of large undeveloped tracts of land and vacant lots subject to improvement. These are areas in which new development is expected to be “large-lot” low density, with non-discharging household and semi-public disposal systems as the primary method for the treatment of wastewater. Existing HSTs and non-single-family private treatment systems, which fail to operate properly, will be required to be replaced and or upgraded. The decision to replace or repair existing HSTs shall be determined on a case-by-case basis and in accordance with the local planning agency and the local health department.

If any new development or subdivision is proposed with a system other than an on-lot non-discharging system, the proposed system must receive written approval from the Ohio EPA, local health department, local planning department, and have been proven as safe, reliable, and effective in Northeast Ohio. A performance bond and written guarantee shall be requested from the designer, the developer, and individual owner and any homeowners’ association involved in the subdivision.

Land irrigation is prohibited as a wastewater treatment option in this area and in no case shall a system providing an off-lot discharge of effluent be permitted for new construction.

Stark-Summit Service Area (cross hatched)

New development in the Stark-Summit Service Area is recommended to be served with sanitary sewers discharging into either sanitary sewer outlets owned and operated by Stark County, one being at the County line on Greensburg road and the other being on Mount Pleasant Road at Lauby Road. All new commercial, industrial, institutional and residential development, for which there has not been a previous off-lot or off-parcel discharge of treated wastewater will be required to connect to existing sanitary sewers in the Stark-Summit Service Area. All developmental enterprises and non-residential land improvement companies shall be required to extend the necessary sanitary sewers within the Stark-Summit Service Area to provide service to their improvements, fully observing all regulations of governing agencies.

No HSTs are recommended within this service area for new developments or subdivisions. However, HSTs are appropriate for single family houses within existing subdivisions served by such systems, or for new homes built on metes-and-bounds parcels not part of any subdivision and are not located adjacent to any publicly-owned sanitary sewer system. The decision to require connection to sanitary sewer shall be determined on a case-by-case basis and in accordance with local zoning, the local

planning agency and the Summit County Health Department, as required. If the installation of an HSTS has been denied, the individual residential unit(s) shall be required to connect to an existing county-owned sanitary sewer. In accordance with Rules established under Section 6117 of the Ohio Revised Code and applicable county rules, any (operating, failing, failed) HSTS, package plant, non-discharging and or discharging semi-public system must connect to a county-owned sanitary sewer if the sanitary sewers are available.

Summit County Department of Environmental Services Jurisdiction - Coventry Township
Areas Currently Sewered (yellow):

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. Any new development and construction in the yellow areas of this facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be treated and discharged at an existing publicly-owned treatment works (POTW). Failing home sewage treatment systems (HSTSs) serving single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 unless sewer service is not available, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29. Existing non-single-family private treatment systems which fail to operate properly will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW.

Areas That Will be Served by a POTW or by On-Site Non-discharging Systems (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. All new subdivision development, whether residential or non-residential will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW . Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable to assure there will be no off-lot discharge of effluent.

Land irrigation is prohibited as a wastewater treatment option in this area and in no case shall a system providing an off-lot discharge of effluent be permitted for new construction.

Failing HSTSs shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 unless sewer service is not available, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29 providing that the local health department finds that the soils are suitable or agrees to another disposal method that will not cause an off-lot discharge of effluent.

When sanitary sewers become available all wastewater systems will be required to connect to sanitary sewers to ensure that wastewater will be treated at an existing POTW.

Areas That Will be Served by On-site Non-discharging Systems: (cream):

This area is comprised of large undeveloped tracts of land and vacant lots subject to improvement. These are areas in which new development is expected to be “large-lot” low density, with non-discharging household and semi-public disposal systems as the primary method for the treatment of wastewater. Existing HSTs and non-single-family private treatment systems, which fail to operate properly, will be required to be replaced and or upgraded. The decision to replace or repair existing HSTs shall be determined on a case-by-case basis and in accordance with the local planning agency and the local health department. If any new development or subdivision is proposed with a system other than an on-lot non-discharging system, the proposed system must receive written approval from the Ohio EPA, local health department, local planning department, and have been proven as safe, reliable, and effective in Northeast Ohio. A performance bond and written guarantee shall be requested from the designer, the developer, and individual owner and any homeowners’ association involved in the subdivision. Land irrigation is prohibited as a wastewater treatment option for this area.

Summit County Department of Environmental Services Jurisdiction - Springfield Township

Areas Currently Sewered (yellow):

These areas are served with sanitary sewers that have been constructed and are currently in operation. Any new development and construction in the yellow areas of this facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly-owned treatment works (POTW). As sanitary sewers become available, properties served by existing home sewage treatment systems (HSTs) or semi-public/private treatment systems will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW. Failing HSTs or semi-public/private wastewater treatment systems shall be abandoned and be required to provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW.

Areas Programmed for Sewers Within the Next 20 Years (orange):

This area contains undeveloped tracts of land and vacant lots subject to improvement. All new multi-family, commercial, industrial, institutional sites and major subdivisions in this area shall be required to connect to the existing sanitary sewer system, for the removal and treatment of sanitary wastewater. This may require the extension of public sewers from the developing area to the existing sanitary system served by a POTW.

New minor subdivisions and remote metes-and bounds residentially-zoned parcels not located adjacent to any publicly owned sanitary sewer system may be so improved with new HSTs provided the local health department finds a suitable treatment system design and installation that meets state and local requirements and assures there will be no off-lot discharge of effluent. The decision to require connection to sanitary sewer shall be determined on a case-by-case basis, and in accordance with local zoning, the local planning agency, health department, OEPA, and the local Sanitary Engineer.

Existing (developed) multi-family, commercial, industrial, and institutional properties, major and minor subdivisions, along with single-family home HSTs within this area shall be required to connect to the sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater.

Semi-public/private treatment systems which fail to operate properly will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. This may require the extension of public sewers from the failing treatment system to the existing sanitary system served by a POTW. Failing HSTs serving single-family homes shall be abandoned in accordance with the OAC 3701-29-02 and the local health department regulations. Replacement or repair of existing HSTs shall be considered appropriate within this area if they are not located adjacent to any publicly owned sanitary sewer system. The decision to require connection to sanitary sewer shall be determined on a case-by-case basis, and in accordance with local zoning, the local planning agency, OEPA, the Sanitary Engineer and provided the local health department finds a suitable treatment system design and installation that meets state and local requirements.

Land irrigation is prohibited as a wastewater treatment option in this area.

Areas That Will be Served by a POTW or by On-Site Non-discharging Systems (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. New single family, multi-family, commercial, industrial, institutional sites and all subdivisions in this area may be improved with new HSTs or semi-public/private treatment systems provided the local health department or OEPA finds a suitable treatment system design and installation that meets state and local requirements and assures there will be no off-lot discharge of effluent. The local planning agency, health department, OEPA and the local Sanitary Engineer must concur that a public wastewater collection system will remain unavailable for the foreseeable future. All sites will be required to connect and/or provide sanitary service if the regulating agencies find it appropriate and sanitary service is located at a reasonable distance from the land to be developed.

Existing (developed) multi-family, commercial, industrial, and institutional properties, major and minor subdivisions, along with single-family home HSTs within this area shall be required to connect to the sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater.

All failing HSTs must be repaired or replaced to meet the standards found within OAC 3701-29 providing that the local health department finds a suitable treatment system design and installation that meets state and local requirements. All failing semi-public/private treatment systems must be repaired or replaced as required by the OEPA. The local planning agency, health department, OEPA and the local Sanitary Engineer must also concur that a public wastewater collection system will not be available for

some time. All failing sites will be required to connect and/or provide sanitary service if the regulating agencies find it appropriate and sanitary service is located at a reasonable distance from the land to be developed.

Land irrigation is prohibited as a wastewater treatment option in this area. Removed off-lot discharge provision

Joint Economic Development District Service Areas (dark green hatch)

Springfield Township – City of Akron Joint Economic Development District:

A Joint Economic Development District (JEDD) contract exists between the City of Akron and the Springfield Township Trustees providing for sanitary sewer service being extended to JEDD areas and to township service areas pursuant to contract terms by the City of Akron upon approval of Springfield Township Trustees. All applications for sanitary sewer must be approved by petition by Springfield Township. Sanitary sewer plans must be approved by both the City of Akron and Summit County Department of Environmental Services before submittal to the OEPA for a Permit To Install. The prescriptions for this JEDD Service Area are as follows:

Areas Currently Sewered (yellow):

These areas are served with sanitary sewers that have been constructed and are currently in operation. Any new development and construction in the yellow areas of this facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly-owned treatment works (POTW). As sanitary sewers become available, properties served by existing home sewage treatment systems (HSTSs) or semi-public/private treatment systems will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW. Failing HSTSs or semi-public/private wastewater treatment systems shall be abandoned and be required to provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW.

Existing Developed Areas (Orange)

This area contains undeveloped tracts of land and vacant lots subject to improvement. All new multi-family, commercial, industrial, institutional sites and major subdivisions in this area shall be required to connect to the existing sanitary sewer system, for the removal and treatment of sanitary wastewater. This may require the extension of public sewers from the developing area to the existing sanitary system served by a POTW.

New minor subdivisions and remote metes-and bounds residentially-zoned parcels not located adjacent to any publicly owned sanitary sewer system may be so improved with new HSTSs provided the local health department finds a suitable treatment system design and installation that meets state and local requirements and assures there will be no off-lot discharge of effluent. The decision to require connection to sanitary sewer shall be determined on a case-by-case basis, and in accordance with local zoning, the local planning agency, health department, OEPA, and the local Sanitary Engineer.

Existing (developed) multi-family, commercial, industrial, and institutional properties, major and minor subdivisions, along with single-family home HSTs within this area shall be required to connect to the sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater.

Semi-public/private treatment systems which fail to operate properly will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. This may require the extension of public sewers from the failing treatment system to the existing sanitary system served by a POTW. Failing HSTs serving single-family homes shall be abandoned in accordance with the OAC 3701-29-02. Replacement or repair of existing HSTs shall be considered appropriate within this area if they are not located adjacent to any publicly owned sanitary sewer system. The decision to require connection to sanitary sewer shall be determined on a case-by-case basis, and in accordance with local zoning, the local planning agency, OEPA, the Sanitary Engineer and provided the local health department a suitable treatment system design and installation that meets state and local requirements.

Land irrigation is prohibited as a wastewater treatment option in this area.

Areas That Will be Served by a POTW or by On-Site Non-discharging Systems (green): This area contains large undeveloped tracts of land and vacant lots subject to improvement. New single family, multi-family, commercial, industrial, institutional sites and all subdivisions in this area may be improved with new HSTs or semi-public/private treatment systems provided the local health department or OEPA finds a suitable treatment system design and installation that meets state and local requirements and assures there will be no off-lot discharge of effluent. The local planning agency, health department, OEPA and the local Sanitary Engineer must concur that a public wastewater collection system will remain unavailable for the foreseeable future. All sites will be required to connect and/or provide sanitary service if the regulating agencies find it appropriate and sanitary service is located at a reasonable distance from the land to be developed.

Existing (developed) multi-family, commercial, industrial, and institutional properties, major and minor subdivisions, along with single-family home HSTs within this area shall be required to connect to the sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater.

All failing HSTs must be repaired or replaced to meet the standards found within OAC 3701-29 providing that the local health department finds a suitable treatment system design and installation that meets state and local requirements. All failing semi-public/private treatment systems must be repaired or replaced as required by the OEPA. The local planning agency, health department, OEPA and the local Sanitary Engineer must also concur that a public wastewater collection system will not be available for some time. All failing sites will be required to connect and/or provide sanitary service if the regulating agencies find it appropriate and sanitary service is located at a reasonable

distance from the land to be developed.

Land irrigation is prohibited as a wastewater treatment option in this area.

Stark County Metropolitan Sewer District Jurisdiction

Areas currently served with sanitary sewers (yellow):

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement.

All new developments in this planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

Areas that will be served by a POTW or by home sewage or semi-public disposal system (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement.

(Subdivisions)

New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to an existing POTW. (In accordance with 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, “residential subdivisions” shall be defined as the creation of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used. All other subdivisions shall be considered in accordance with Section 711 of the Ohio Revised Code and the Stark County Regional Planning Commission regulations and policies.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions.

(Individual Lots- residential)

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. When sewer becomes available, existing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health, or other unique conditions.

(Individual Lots- non-residential)

For new commercial development, a new semi-public or private sewage treatment system may be considered for each individual lot only where sewers are not currently accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by existing failing semi-public or private sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported and treated at an existing POTW. At the cost of the current property owner, all semi-public or private sewage treatment systems including functioning systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Areas that will be served by home sewage and semi-public sewage disposal systems and sanitary sewers (cream):

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare.

Where sanitary sewer is currently not accessible as determined by the local Board of Health in conjunction with the County Sanitary Engineer, a new privately operated sewage treatment system may be allowed for each individual lot based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new on-lot dissipation systems only, provided the local health department finds that site conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. New centralized wastewater treatment systems serving more than one individual lot will not be approved. Failing sewage treatment systems will be required to be repaired in accordance with local Board of Health or OEPA requirements, depending upon authority granted by statute, if sewer is not available.

Upon becoming available to sanitary sewer, properties served by HSTSs or semi-public or private sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in

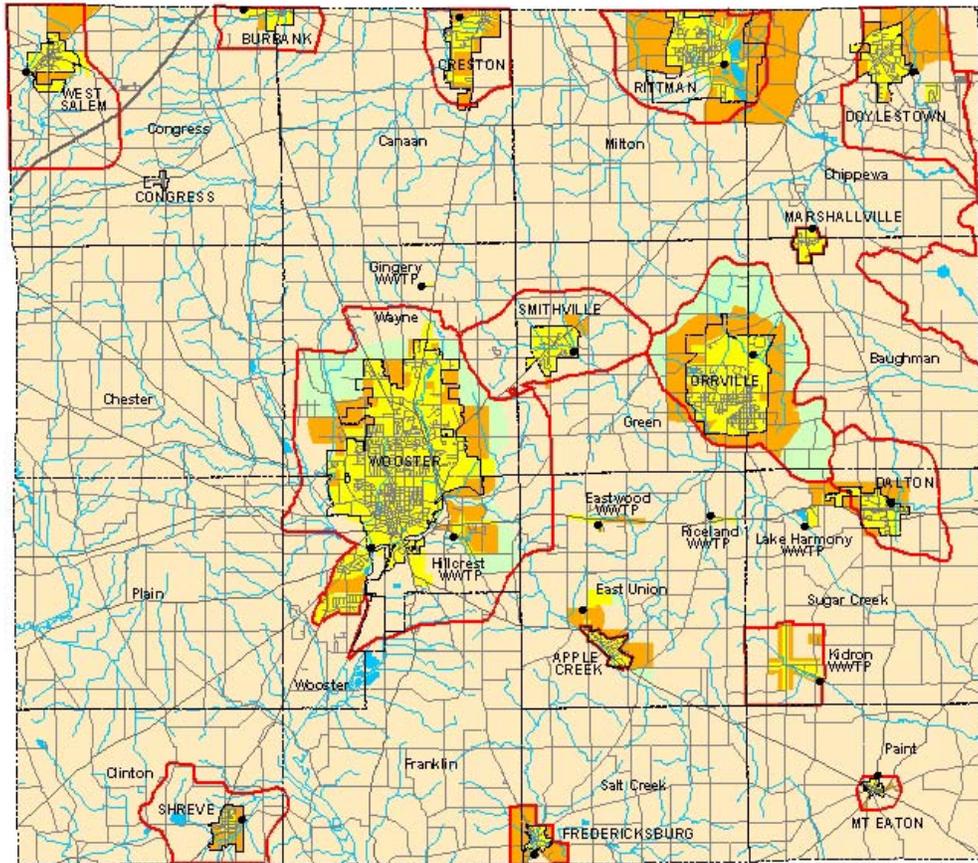
accordance with Ohio Administrative Code 3701-29-02. For HSTs, variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability and/or accessibility, threat to public health, or other unique conditions. At the cost of the current property owner, all functioning semi-public or private sewage treatment systems must also be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, County Health District or County Commissioners.

Appendix 3-23

Wayne County Facilities Planning Areas (FPA)

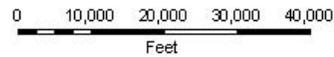
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Wayne County Facilities Planning Areas 208 Clean Water Plan Update



- 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
- Areas without a Wastewater Treatment Planning Prescription
- Lakes and Ponds

- FPA Boundary
- Stream
- Community Boundary
- Road
- Publicly Owned Waste Water Treatment Plant



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

Northeast Ohio Four County Regional Planning and Development Organization, June 2005

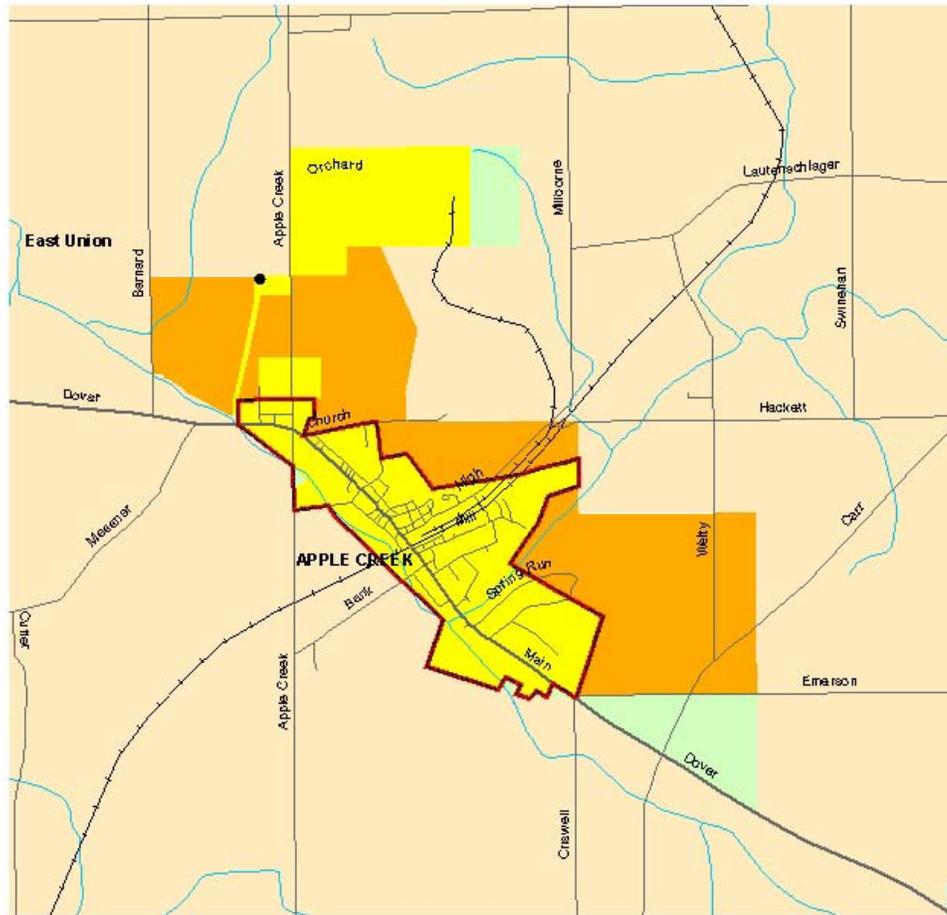
3-23-2

Appendix 3-24

Apple Creek Facilities Planning Area

DRAFT

Apple Creek Facilities Planning Area Clean Water Plan Update for the Ohio River Basin



Areas currently served with sanitary sewers	FPA Boundary
Areas expected to be served with sanitary sewers within the next 20 years	Stream
Areas that will be served by home sewage and semi-public sewage disposal systems	Community Boundary
Areas that will be served by a POTW or by home sewage and semi-public sewage disposal systems	Road
Areas without a wastewater treatment planning prescription	Railroad
Lakes and Ponds	Publicly Owned Waste Water Treatment Plant

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

0 1,250 2,500 3,750 5,000
Feet

Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

Apple Creek Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne / Ohio River Basin

B. Facilities Planning Area:

Apple Creek

C. Designated Management Agency:

a) Village of Apple Creek

D. Publicly-Owned Treatment Works:

Apple Creek WWTP, 0.1340 MGD. The Village recently bought the Apple Creek Development Center WWTP, which it is upgrading to 0.3000 MGD.

E. Facilities Plan:

There is no known facilities plan. However, a General Plan of proposed wastewater treatment facilities improvements was prepared by Engineering Associates, Lmt. and was submitted to Ohio EPA-NEDO on April 8, 1987. The plan was reviewed and approved, thereafter.

A second General Plan of proposed wastewater treatment facilities improvements was prepared by Engineering Associates, Inc., and was submitted to the Ohio EPA-NEDO on May 27, 1998. An addendum to the General Plan was submitted to the Ohio EPA-NEDO on May 18, 2000. The plan was reviewed and approved thereafter.

The General Plan evaluated the existing wastewater treatment plant and sewer systems for the Village of Apple Creek. The plan determined optimum improvements necessary to attain compliance with all the final effluent limitations in its NPDES permit.

F. Area Served:

Wayne County - Village of Apple Creek

G. Receiving Stream:

Apple Creek, tributary to Killbuck Creek

H. Contact Person/Address/Phone/Fax:

a. Mr. Randy Danford
Village of Apple Creek
P.O. Box 208
Apple Creek, Ohio 44606
Phone: (330) 698-1322
Fax: (330) 698-1322

- b. Mr. Tim Patterson, Superintendent
Wayne County Office of Environmental Services
428 W. Liberty St.
Wooster, OH 44691
Phone: (330) 287-5476
Fax (330) 287-5407

I. Population Served:

A detailed population project for the sanitary sewer service area was completed as part of the May 27, 1998 General Plan and was updated in the May 18, 2000 addendum. These figures are presented below:

Apple Creek	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>	<u>2030</u>	<u>2035</u>
	909	1070	1202	1465	1596	1727	1839	1950

Approved NEFCO 208 Clean Water Plan population projections are not available.

II. Wastewater Treatment Planning Prescription and Wastewater Planning Options

Original source of information was provided by the Village of Apple Creek, April 6, 2001.

Village of Apple Creek and Wayne County Office of Environmental Services Jurisdiction
Areas currently sewerred with sanitary sewers (yellow):

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. However, there may be undeveloped tracts of land and vacant lots subject to improvement. All new development and construction in the yellow areas of this facility planning area will be required to connect to and/or provide sanitary service to ensure that the wastewater will be treated at the Village's publicly-owned treatment works (POTW). Existing home sewage treatment systems (HSTS) or semi-public sewage disposal systems (SPSDS), which cease to operate properly, shall be abandoned and connection made to the existing sanitary sewer system. Failing HSTSs serving single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 (OAC 3701-29-02). Also, anyone who buys and sells property with an existing HSTS or SPSDS shall abandon their system and connect to the sanitary sewer system.

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

Sanitary sewer service to this area is not available; however, sewer extensions to said area may be available in the future. Sanitary sewer extensions shall be at the Village's discretion. All new commercial, industrial, institutional and residential subdivision developments within the sanitary sewer service area shall connect to an existing sanitary sewer system for the removal of sanitary wastewater from each new facility within the new development. The developer shall extend new sanitary sewers as necessary from the proposed development to the existing sanitary sewer system that is served by an existing

POTW. Any new residential, commercial or industrial development which meets the requirements of the Village's subdivision regulations, will be required to install a dry system that will meet all Village and Ohio EPA requirements for connection to the Village sanitary sewer system when it becomes available. Failing systems in need of repair/replacement will be required to connect to the existing sanitary sewer facilities if sanitary sewer service becomes available. However, until such time as sanitary sewers are extended, appropriate HSTSs or SPSDSs as required by Wayne County or Ohio EPA NEDO may be approved.

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 (SPSDSs) (green):

This area is currently unincorporated. The Village is served by its own sanitary sewer system that has the capacity to serve only limited areas outside of the Village and with the condition of annexation and availability of plant capacity first. For new locations where sanitary sewer service may be made available, all new subdivision development, whether residential or non-residential, and all other new non-residential and new multi-family residential development, will be required to meet subdivision regulations and to connect and/or provide sanitary service to ensure an existing POTW plant has capacity to treat the wastewater. Where sanitary sewer service is not available, new single-family subdivisions and non-residential single-building development may utilize HSTSs provided the local health department finds that the soils are suitable to assure there will be no off-lot discharge of effluent. Properties with existing but failing private treatment systems shall follow "Best Science" criteria for wastewater treatment options appropriate and approved by the Ohio EPA. Single lots and metes-and-bounds parcels for new and existing (failing HSTS) single-family residential home construction may utilize an HSTS, provided local health department approval is obtained. Exceptions may be granted based on sewer availability, soil conditions, extent of failure, plant capacity and the cost of repair.

Areas that will be served by HSTSs and SPSDSs (cream):

These are areas in which new development is expected to be "large-lot" low density, with non-discharging household and semi-public systems as the primary method for treatment of wastewater. These areas are controlled by Wayne County, and Wayne County will be the Lead DMA.

Appendix 3-25

Wayne County/Village of Burbank Facilities Planning Area

Wayne County Facilities Planning Area - Burbank Sewer District

I. Existing Situation

A. County/Basin:

Wayne/Ohio River Basin

B. Facilities Planning Area:

Wayne County/Village of Burbank

C. Designated Management Agency:

I. Primary DMA

a) Wayne County Office of Environmental Services

D. Publicly-Owned Treatment Works:

Burbank Sewer District WWTP, 0.070 MGD

1 package plant

E. Facilities Plan:

The consultant for the Village of Burbank prepared a General Plan which was approved by the Ohio EPA. The consultant also prepared detail plans for the area. The permit to install (PTI) for this project was issued to the Village. The Village of Burbank has been unable to complete the project and all aspects of the project including grants and loans have been transferred to Wayne County who will complete and own the collection and treatment systems. The County has formed the Burbank Sewer District and will service the Village of Burbank and a small portion of unincorporated area adjacent to the Village. This area had been prescribed as on-site septic systems previously because no central sewer system was available. All other areas outside the Burbank Sewer District will maintain the prescription of on-site septic systems.

F. Area Served:

Wayne County - Village of Burbank, Canaan and Congress Townships

G. Receiving Stream:

Killbuck Creek, a tributary of the Wallhonding River

H. Contact Person/Address/Phone/Fax:

Mr. Tim Patterson, Superintendent
Wayne County Office of Environmental Services
428 West Liberty Street
Wooster, Ohio 44691
Phone: (330) 287-5476
Fax: (330) 287-5407

I. Population Served:

Approximately 300

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

The entire area inside the newly created Burbank Sewer District Boundary is currently served by on-site systems that have failed or are substandard systems. The entire area inside the Sewer District Boundary will be serviced by a central collection system and a wastewater treatment plant. There are no other options for treatment inside the District Boundary. All existing systems will be abandoned and all new construction will be required to be served by the collection and treatment system.

Village of Burbank, Wayne County Office of Environmental Services Jurisdiction

A. **Areas currently served with sanitary sewers (yellow)** – These areas are identified in the 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.

1. **New Development:**

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

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

a. Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant when sanitary sewer becomes available and accessible, as determined by the Ohio EPA and/or the Wayne County Board of Health.

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

B. **Areas expected to be served with sanitary sewers within the next twenty (20) years (orange)** – These areas are identified in the 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 Department and Ohio EPA approvals). Land 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. **Major Subdivisions**, as defined by the Wayne County Planning Subdivision Regulations, will be required to connect to the existing sanitary sewer system, fully

observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer.

- b. Minor Subdivisions 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 Board of County Commissioners 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 no off-lot discharge of effluent.
 - c. 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. High density/high flow development shall be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure to connect shall be borne by the developer. Low density/low flow development may occur using non-discharging Semi-Public Sewage Disposal Systems (SPSDS), in accordance with Ohio EPA requirements.
2. **Existing (developed) Properties:**
- a. Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, as it becomes available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health.
 - b. 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 Wayne County Board of Health, 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.
- C. **Areas expected to be served by individual on-lot 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 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. Land 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.

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

- a. Existing sewage systems which fail to operate may be replaced and/or upgraded as necessary.

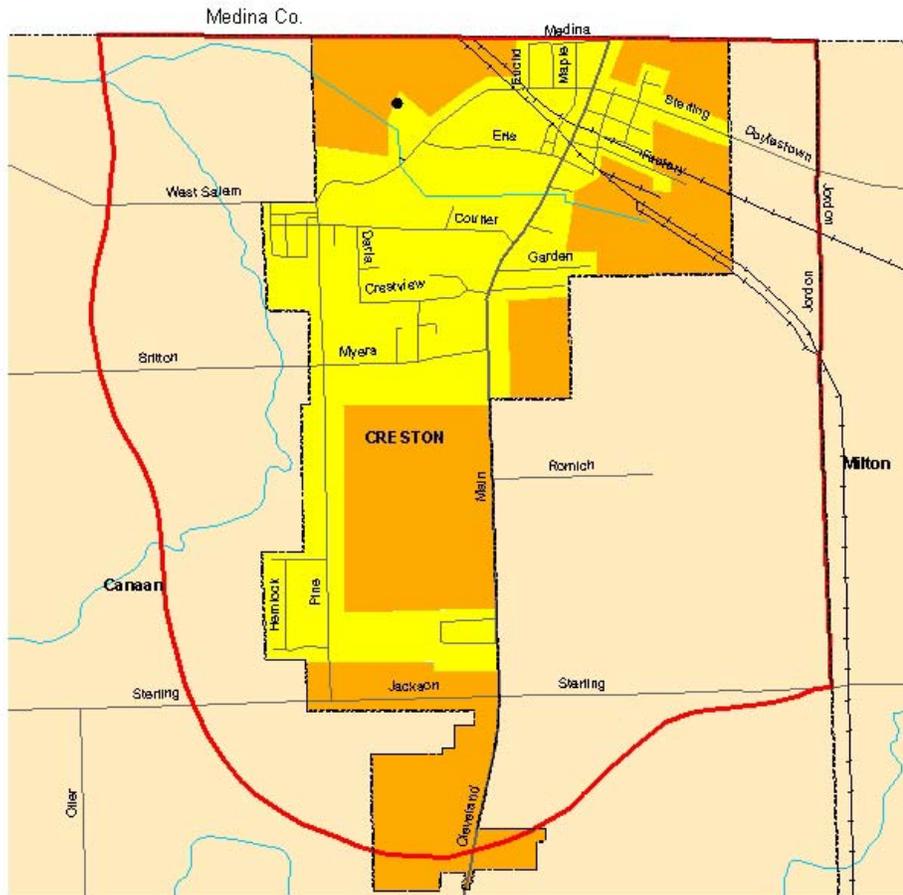
Appendix 3-26

Creston
Facilities Planning Area

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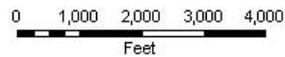
Creston Facilities Planning Area

Clean Water Plan Update for the Ohio River Basin



- 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
 - Areas without a wastewater treatment planning prescription
 - Lakes and Ponds
- FPA Boundary
 - Stream
 - Community Boundary
 - Road
 - + Railroad
 - Publicly Owned Waste Water Treatment Plant

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



Northeast Ohio Four County Regional Planning and Development Organization, June 2005.

3-26-2

Creston Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne and Medina / Ohio River Basin

B. Facilities Planning Area:

Creston

C. Designated Management Agency:

I. Primary DMA

a) Village of Creston

II. Secondary DMAs

a) Wayne County Office of Environmental Services

b) Medina County Sanitary Engineering Department

D. Publicly-Owned Treatment Works:

Creston WWTP, 0.3000 MGD

E. Facilities Plan:

UNKNOWN. The Environmental Design Group is the Village=s consultant. A General Plan for the wastewater treatment facilities improvements for the Village of Creston was submitted to Ohio EPA in November, 1986. The plan evaluated the Village=s existing wastewater treatment plant and sewer system. The plan determined optimum improvements necessary to attain all final effluent limitations in its NPDES permit.

F. Area Served:

Wayne County - Village of Creston, Canaan Township (part), and Milton Township (part)

Medina County - Westfield Township (part)

G. Receiving Stream:

Creston Ditch, tributary to Killbuck Creek

H. Contact Person/Address/Phone/Fax:

a. Mr. Mark Allen, Utility Superintendent

Village of Creston

P.O. Box 194

Creston, Ohio 44217

Phone: (330) 435-4425

Fax: (330) 435-6149

b. Mr. Tim Patterson, Superintendent
 Wayne County Office of Environmental Services
 County Administration Building
 428 West Liberty Street
 Wooster, Ohio 44691
 Phone: (330) 287-5476
 Fax: (330) 287-5407

c. Mr. Ken Holtz, County Engineer
 Medina County Sanitary Engineering Department
 791 West Smith
 Medina, Ohio 44606
 Phone: (330) 723-9580
 Fax: (330) 723-9661

I. Population Served:

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

	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
Creston						
201	----- not prepared -----					
Approved 208	2,814	2,899	-----	-----	-----	-----

II. Wastewater Treatment Planning Prescription and Wastewater Planning Options

Original source information provided by the Village of Creston, **DATE**, the Wayne County Office of Environmental Services, **DATE**, the Medina County, **DATE**.

Wayne County Office of Environmental Services and the Village of Creston Jurisdiction

A. **Areas currently served with sanitary sewers (yellow)** – These areas are identified in the 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.

1. **New Development:**

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

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

- a. Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant when sanitary sewer becomes available and accessible, as determined by the Ohio EPA and/or the Wayne County Board of Health.
- b. Failing sewage systems will be required to connect to the existing sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure shall be borne by the property owner.

B. **Areas expected to be served with sanitary sewers within the next twenty (20) years (orange)** – These areas are identified in the 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 Department and Ohio EPA approvals). Land 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. Major Subdivisions, as defined by the Wayne County Planning Subdivision Regulations, will be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer.
- b. Minor Subdivisions 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 Board of County Commissioners 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 no off-lot discharge of effluent.
- c. 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. High density/high flow development shall be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure to connect shall be borne by the developer. Low density/low flow development may occur using non-discharging Semi-Public Sewage Disposal Systems (SPSDS), in accordance with Ohio EPA requirements.

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

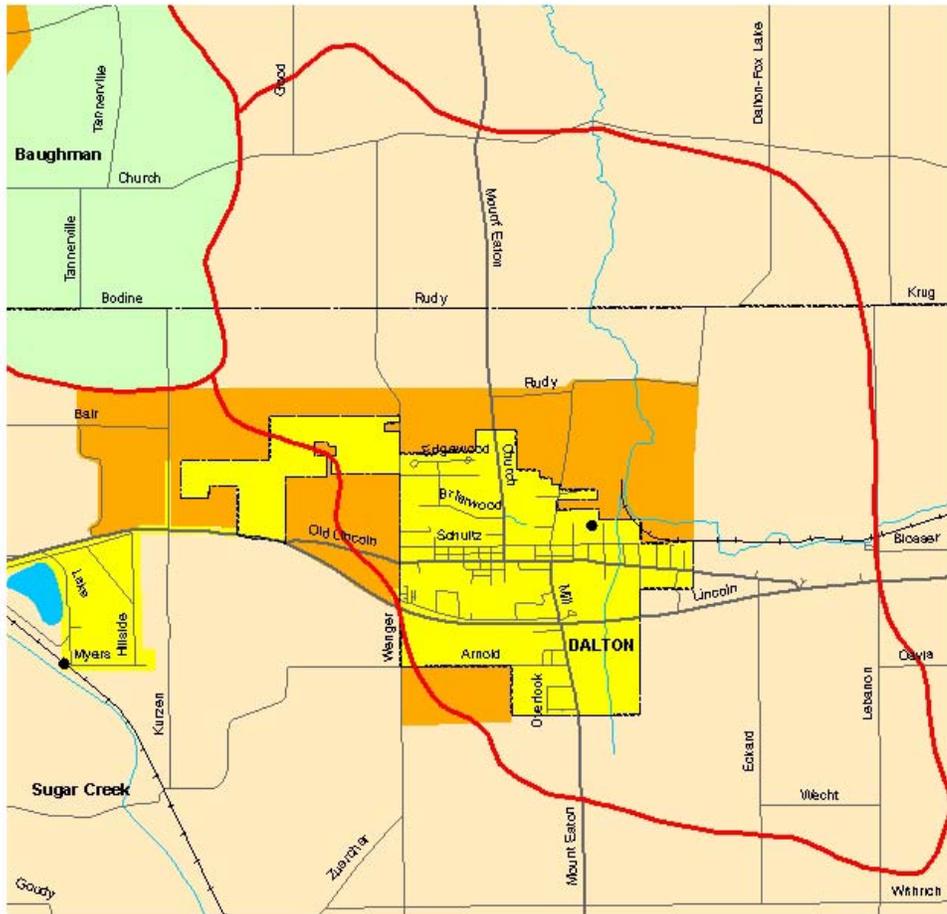
- a. Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, as it becomes available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health.
 - b. Failing sewage systems may be replaced and/or upgraded as necessary until such time as the sanitary sewer is available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health, 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.
- C. **Areas expected to be served by individual on-lot 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 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. Land 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 HSTs and non-discharging SPSDSs as the primary method for the treatment of wastewater.
 - 2. **Existing (developed) Properties:**
 - a. Existing sewage systems which fail to operate may be replaced and/or upgraded as necessary.

Appendix 3-27

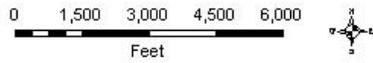
Dalton Facilities Planning Area

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Dalton Facilities Planning Area Clean Water Plan Update for the Ohio River Basin



- 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
- Areas without a wastewater treatment planning prescription
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Road
- Railroad
- Publicly Owned Waste Water Treatment Plant



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

Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-27-2

Dalton Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne / Ohio River Basin

B. Facilities Planning Area:

Dalton

C. Designated Management Agency:

I. Primary DMA

a) Village of Dalton

b) Wayne County Office of Environmental Services

D. Publicly-Owned Treatment Works:

Dalton WWTP, 0.3000 MGD

E. Facilities Plan:

Dalton Facilities Plan, Wayne County, Ohio were prepared by Friedl and Harris, Inc., October, 1981. Detail plans of a proposed wastewater treatment plant for the Village of Dalton were submitted to Ohio EPA-NEDO in August, 1985. The plans which were prepared by the firm of Lester H. Poggemeyer, Inc., was reviewed and approved by Ohio EPA, thereafter.

F. Area Served:

Wayne County - Village of Dalton, and Sugar Creek Township (part)

G. Receiving Stream:

Beaverdam Creek, tributary to Newman Creek, a tributary of the Tuscarawas River

H. Contact Person/Address/Phone/Fax:

a. Mr. Terry West, Wastewater Superintendent

Water and Sewer Department

Village of Dalton

P.O. Box 493

Dalton, Ohio 44618

Phone: (330) 828-2182

Fax: (330) 828-2182 - WWTP Lab

(330) 828-8346 - Town Hall

- b. Mr. Timothy Patterson, Superintendent
Wayne County Office of Environmental Services
County Administration Building
428 West Liberty Street
Wooster, Ohio 44691
Phone: (330) 287-5476
Fax: (330) 263-5307

I. Population Served:

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

Dalton	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	----- not prepared -----					
Approved 208	3,024	3,212	-----	-----	-----	-----

II. Wastewater Treatment Planning Prescription and Wastewater Planning Options

Original source information provided by the Village of Dalton, June 30, 2004, and the Wayne County Office of Environmental Services, July 1, 2004.

Village of Dalton Jurisdiction

Areas Currently Sewered (yellow):

These areas are served with sanitary sewer that have been constructed and are currently in operation. Any new development and construction in the yellow area of this facilities planning area will be required to connect to and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly-owned treatment works (POTW). As sanitary sewer become available, properties served by existing home sewage treatment systems (HSTSs) or semi-public-private treatment systems will be required to connect to and/or provide sanitary service to ensure that wastewater treatment will be transported and treated at an existing POTW. Failing HSTSs or semi-public/private wastewater treatment systems shall be abandoned and be required to provide sanitary service to ensure that wastewater will be transported and treated at an existing POTW.

Wayne County Office of Environmental Services Jurisdiction

- A. **Areas currently served with sanitary sewers (yellow)** – These areas are identified in the 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.

1. New Development:

- a. New development in this area will be required to connect and/or provide the necessary sanitary sewer infrastructure to connect to existing sewer lines to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant. The cost to connect and/or develop the infrastructure will be the developer's expense.
2. **Existing (developed) Properties (not required to tie into the sanitary sewer when the system was initially constructed):**
- a. Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant when sanitary sewer becomes available and accessible, as determined by the Ohio EPA and/or the Wayne County Board of Health.
 - b. Failing sewage systems will be required to connect to the existing sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure shall be borne by the property owner.
- B. **Areas expected to be served with sanitary sewers within the next twenty (20) years (orange)** – These areas are identified in the 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 Department and Ohio EPA approvals). Land 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. Major Subdivisions, as defined by the Wayne County Planning Subdivision Regulations, will be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer.
 - b. Minor Subdivisions 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 Board of County Commissioners 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 no off-lot discharge of effluent.
 - c. 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. High density/high flow development shall be required to connect to the existing

sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure to connect shall be borne by the developer. Low density/low flow development may occur using non-discharging Semi-Public Sewage Disposal Systems (SPSDS), in accordance with Ohio EPA requirements.

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

- a. Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, as it becomes available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health.
- b. 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 Wayne County Board of Health, 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.

C. **Areas expected to be served by individual on-lot 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 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. Land 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.

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

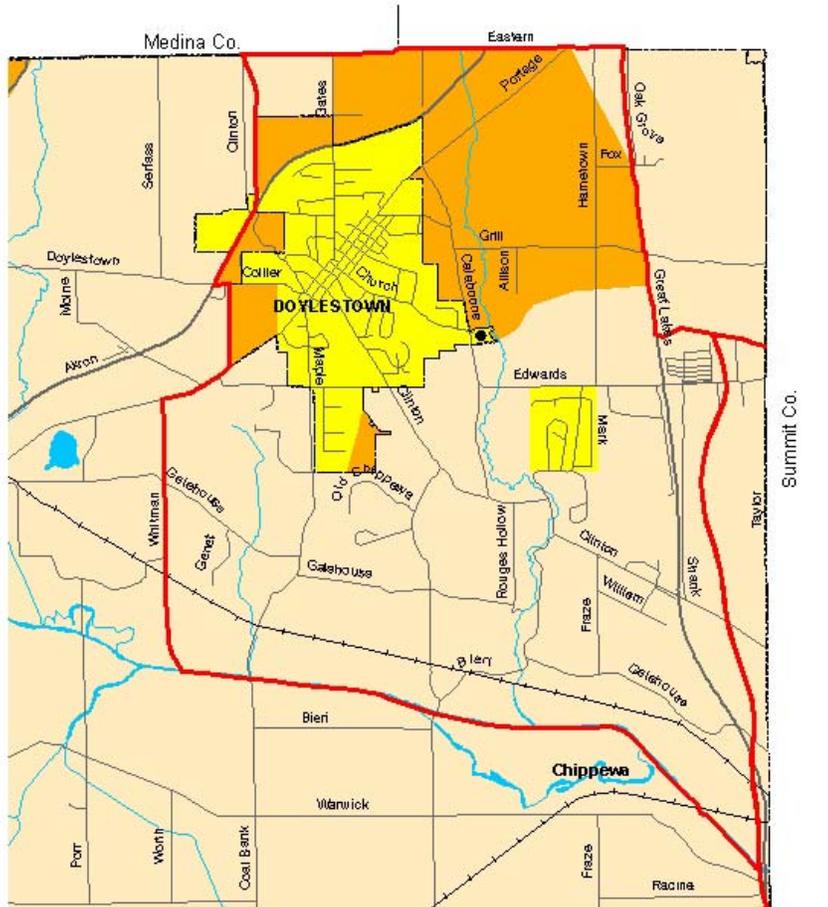
- a. Existing sewage systems which fail to operate may be replaced and/or upgraded as necessary.

Appendix 3-28

Doylestown Facilities Planning Area

DRAFT

Doylestown Facilities Planning Area Clean Water Plan Update for the Ohio River Basin



- 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
 - Areas without a wastewater treatment planning prescription
 - Lakes and Ponds
 - FPA Boundary
 - Stream
 - Community Boundary
 - Road
 - Railroad
 - Publicly Owned Waste Water Treatment Plant
- * Please see Clean Water Plan text for a complete explanation of the mapping categories.

Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-28-2

Doylestown Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne/Ohio River Basin

B. Facilities Planning Area:

Doylestown

C. Designated Management Agency:

I. Primary DMA

a) Wayne County Office of Environmental Services

b) Village of Doylestown

D. Publicly-Owned Treatment Works:

Village of Doylestown Wastewater Treatment Plant

Located on Calaboone Road with Discharge to Silver Creek

Current Rated Capacity = 0.50 MGD expandable to 1.00 MGD

E. Facilities Plan:

Hammontree and Associates, Ltd., Step I Facilities Plan Update, April 1983.

F. Area Served:

Village of Doylestown and the Northeastern portion of Chippewa Township in Wayne County

G. Receiving Stream:

Silver Creek which is a tributary to Chippewa Creek

H. Contact Person/Address/Phone/Fax:

Mr. Dennis White

Village of Doylestown

Wastewater Treatment Plant Superintendent

135 Calaboone Road

Doylestown, OH 44230

Phone: 330-658-2181

Fax: 330-658-3838

Mr. Tim Patterson, Superintendent

Wayne County Office of Environmental Services

428 West Liberty Street

Wooster, Ohio 44691

Phone: (330) 287-5476

Fax: (330) 287-5407

I. Population Served:

July 20, 2005

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

Doylestown	<u>2000</u>	2005	2010	2020	2025
201	9,400	---	---	---	---
Approved 208	8,142	8,611	---	---	---

II. Wastewater Treatment Planning Prescription and Wastewater Planning Options

Village of Doylestown Jurisdiction

Areas currently sewered with sanitary sewers (yellow):

These areas are currently served with sanitary sewers that have been constructed and are currently in operation and which are connected to the existing Village of Doylestown Wastewater Treatment Plant. It is required that all residential and non-residential uses within the yellow areas be connected to the Doylestown Wastewater Treatment Plant.

Within the yellow areas of this Facilities Planning Area parcels can reasonably access the existing sewer lines and all vacant lots and undeveloped tracts of land are required to connect to the existing Doylestown publicly owned treatment works (POTW). No new development or expansion of an existing development will be permitted without a proper connection to the public sanitary sewer system in accordance with the policies, standards and specifications of the Village of Doylestown. Developers shall be required to extend new sanitary sewers as necessary from the existing sanitary sewer system to the proposed development.

Any existing household sewer treatment system within the yellow areas which ceases to operate properly shall be abandoned and the use connected to the sanitary sewer system. No existing household sewage treatment system in these areas shall be updated or expanded, but must be connected to the existing Doylestown POTW if change or modification of the system is required.

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

These are areas projected to have sanitary sewer service, but are not currently sewered. Projected wastewater flows from these areas have been accounted for with the system. All new wastewater generated by new developments, including residential, commercial, industrial, and institutional developments, will be required to connect to an existing Doylestown POTW. Developers shall be required to extend new sanitary sewers from the existing Doylestown POTW to the proposed development in conformance with the policies, standards and specifications of the Village of Doylestown.

Existing household sewage treatment systems, package plants, and semi-public sewage disposal systems within the orange areas must be abandoned and connected to the existing Doylestown POTW when sanitary sewers are available within 200 feet. All connections shall be in accordance with the policies, standards and specifications of the Village of Doylestown.

Household sewage treatment systems, package plants, and non-discharging and discharging semi-public sewage disposal systems are not recommended within these areas. Such systems may be considered on a case-by-case basis where:

- 1) sanitary sewer service to the existing POTW system is not reasonably available to the property,
- 2) parcels to be served by an on-site disposal system have a minimum area of two (2) acres, and
- 3) there are no plans for expansion or extension of the sanitary sewer collection system in the vicinity of the property scheduled within the next five (5) years, provided that the property owners installing and/or using such systems must connect to the public sanitary sewer system served by the existing Doylestown Wastewater Treatment Plant when public sanitary sewers are available within 200 feet of such properties.

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 (SPSDSs) (green):

These areas are currently rural portions of Chippewa Township where sanitary sewer service is not readily available, however, sewer extensions to these areas may be available in the future. It is recommended that new commercial, industrial, institutional, and residential developments within these areas connect to the existing public sanitary sewer system that is served by the existing Doylestown POTW. Developers are encouraged to extend existing sanitary sewer lines as necessary to service their developments.

Failing household sewage treatment systems, package plants, and semi-public sewage disposal systems may be approved based upon sanitary sewer availability, soil conditions, and County Health Department regulations.

Wayne County Office of Environmental Services Jurisdiction

- A. **Areas currently served with sanitary sewers (yellow)** – These areas are identified in the 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.

1. **New Development:**

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

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

- a. Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at a County or Municipality owned

Wastewater Treatment Plant when sanitary sewer becomes available and accessible, as determined by the Ohio EPA and/or the Wayne County Board of Health.

- b. Failing sewage systems will be required to connect to the existing sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure shall be borne by the property owner.
- B. **Areas expected to be served with sanitary sewers within the next twenty (20) years (orange)** – These areas are identified in the 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 Department and Ohio EPA approvals). Land 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. Major Subdivisions, as defined by the Wayne County Planning Subdivision Regulations, will be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer.
 - b. Minor Subdivisions 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 Board of County Commissioners 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 no off-lot discharge of effluent.
 - c. 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. High density/high flow development shall be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure to connect shall be borne by the developer. Low density/low flow development may occur using non-discharging Semi-Public Sewage Disposal Systems (SPSDS), in accordance with Ohio EPA requirements.
 2. **Existing (developed) Properties:**
 - a. Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, as it becomes available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health.

- b. 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 Wayne County Board of Health, 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.

C. **Areas expected to be served by individual on-lot 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 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. Land 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 HSTs and non-discharging SPSDSs as the primary method for the treatment of wastewater.

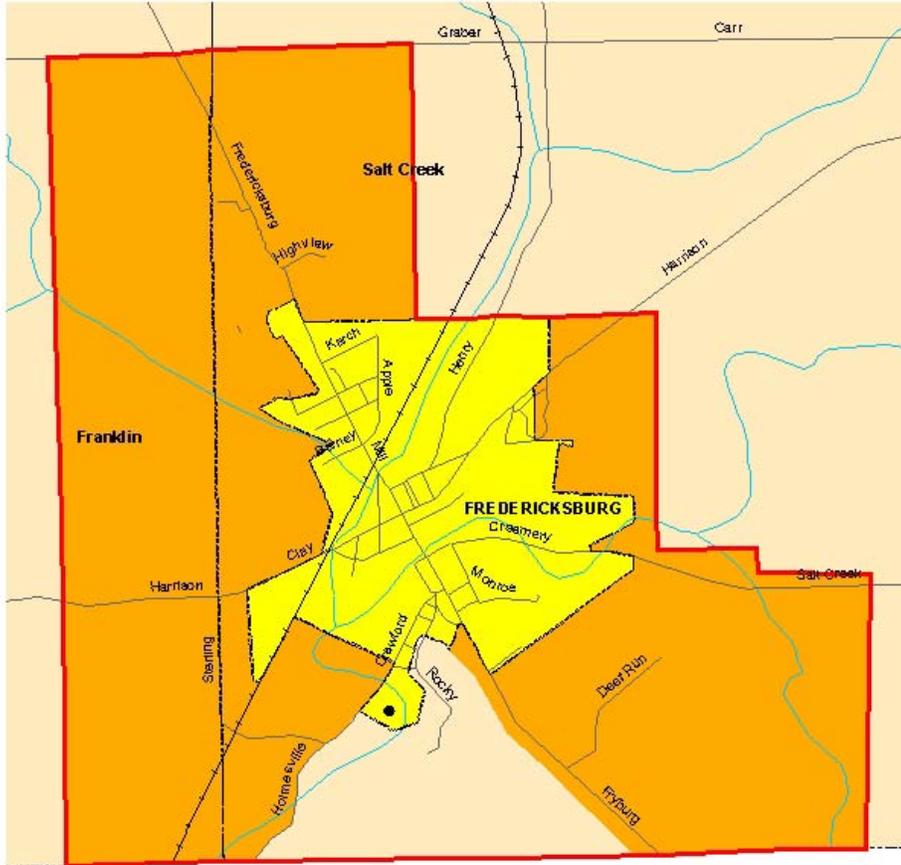
2. **Existing (developed) Properties:**

- a. Existing sewage systems which fail to operate may be replaced and/or upgraded as necessary.

Appendix 3-29

Fredericksburg Facilities Planning Area

DRAFT **Fredericksburg Facilities Planning Area**
Clean Water Plan Update for the Ohio River Basin



- 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
- Areas without a wastewater treatment plan prescription
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Road
- Railroad
- Publicly Owned Waste Water Treatment Plant

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

0 600 1,200 1,800 2,400
 Feet

Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-29-2

Fredericksburg Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne / Ohio River Basin

B. Facilities Planning Area:

Fredericksburg

C. Designated Management Agency:

I. Primary DMA

a) Village of Fredericksburg

II. Secondary DMAs

a) Wayne County Office of Environmental Services

D. Publicly-Owned Treatment Works:

Fredericksburg WWTP, 0.0600 MGD

E. Facilities Plan:

UNKNOWN.

F. Area Served:

Wayne County - the Village of Fredericksburg

G. Receiving Stream:

Salt Creek

H. Contact Person/Address/Phone/Fax:

a. Mr. Tim Patterson, Superintendent
Wayne County Office of Environmental Services
County Administration Building
428 West Liberty Street
Wooster, Ohio 44691
Phone: (330) 287-5476
Fax: (330) 287-5407

b. Mr. Harold Gwen
PO BOX 119
Fredericksburg, OH 44627
Phone: (330) 695-2011
Fax: (330) 695-3606

I. Population Served:

No population projections have been prepared for the Fredericksburg area because the FPA boundary has not been determined.

Fredericksburg	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	-----	not prepared	-----	-----	-----	-----
Approved 208	-----	not prepared	-----	-----	-----	-----

II. Wastewater Treatment Planning Prescription and Wastewater Planning Options

Original source information provided by the Village of Fredericksburg, 2004.

*Village of Fredericksburg and Wayne County Office of Environmental Services
Jurisdiction*

A. **Areas currently served with sanitary sewers (yellow)** – These areas are identified in the 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.

1. **New Development:**

a. New development in this area will be required to connect and/or provide the necessary sanitary sewer infrastructure to connect to existing sewer lines to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant. The cost to connect and/or develop the infrastructure will be the developer’s expense.

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

a. Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant when sanitary sewer becomes available and accessible, as determined by the Ohio EPA and/or the Wayne County Board of Health.

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

B. **Areas expected to be served with sanitary sewers within the next twenty (20) years (orange)** – These areas are identified in the 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 Department and Ohio EPA approvals). Land 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. Major Subdivisions, as defined by the Wayne County Planning Subdivision Regulations, will be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer.
- b. Minor Subdivisions 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 Board of County Commissioners 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 no off-lot discharge of effluent.
- c. 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. High density/high flow development shall be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure to connect shall be borne by the developer. Low density/low flow development may occur using non-discharging Semi-Public Sewage Disposal Systems (SPSDS), in accordance with Ohio EPA requirements.

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

- a. Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, as it becomes available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health.
- b. 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 Wayne County Board of Health, 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.

- C. **Areas expected to be served by individual on-lot 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 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. Land 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 HSTs and non-discharging SPSDSs as the primary method for the treatment of wastewater.

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

a. Existing sewage systems which fail to operate may be replaced and/or upgraded as necessary.

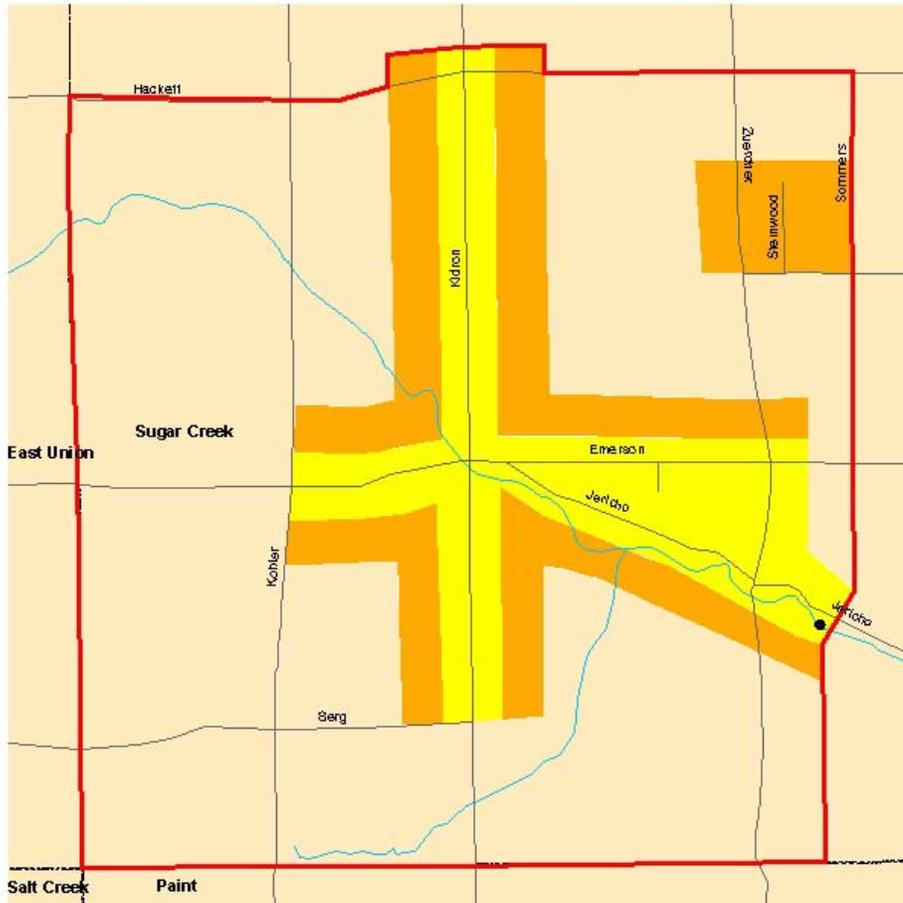
Appendix 3-30

Kidron Facilities Planning Area

DRAFT

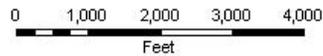
Kidron Facilities Planning Area

Clean Water Plan Update for the Ohio River Basin



- 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
- Areas without a wastewater treatment planning prescription
- Lakes and Ponds

- FPA Boundary
- Stream
- Community Boundary
- Road
- Publicly Owned Waste Water Treatment Plant



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

Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-30-2

Kidron Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne / Ohio River Basin

B. Facilities Planning Area:

Kidron

C. Designated Management Agency:

I. Primary DMA

a) Wayne County Office of Environmental Services

D. Publicly-Owned Treatment Works:

Kidron WWTP, 0.???? MGD

E. Facilities Plan:

UNKNOWN

F. Area Served:

Wayne County - (Kidron) Sugar Creek Township (part)

G. Receiving Stream:

North Fork Sugar Creek

H. Contact Person/Address/Phone/Fax:

Mr. Tim Patterson, Superintendent
Wayne County Office of Environmental Services
County Administration Building
428 West Liberty Street
Wooster, Ohio 44691
Phone: (330) 287-5476
Fax: (330) 287-5407

I. Population Served:

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

Kidron	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	-----		not prepared	-----		
Approved 208	-----		not prepared	-----		

II. Wastewater Treatment Planning Prescription and Wastewater Planning Options

Original source information provided by the Wayne County Office of Environmental Services, September 24, 2003.

Wayne County Office of Environmental Services Jurisdiction

A. **Areas currently served with sanitary sewers (yellow)** – These areas are identified in the 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.

1. **New Development:**

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

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

a. Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant when sanitary sewer becomes available and accessible, as determined by the Ohio EPA and/or the Wayne County Board of Health.

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

B. **Areas expected to be served with sanitary sewers within the next twenty (20) years (orange)** – These areas are identified in the 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 Department and Ohio EPA approvals). Land 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. Major Subdivisions, as defined by the Wayne County Planning Subdivision Regulations, will be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer.

b. Minor Subdivisions 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 Board of County Commissioners 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 no off-lot discharge of effluent.

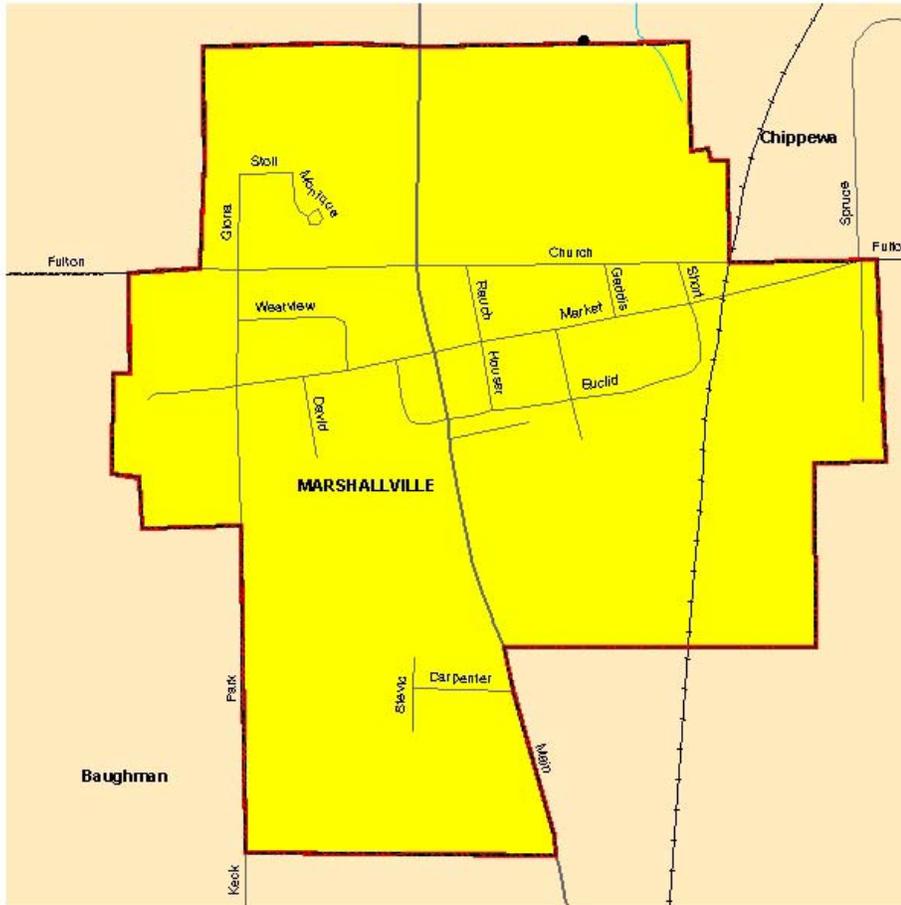
- c. Multi-family, Commercial, and Industrial Development shall be classified as either low density/low flow or high density/high flow, as determined by the Ohio EPA. High density/high flow development shall be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure to connect shall be borne by the developer. Low density/low flow development may occur using non-discharging Semi-Public Sewage Disposal Systems (SPSDS), in accordance with Ohio EPA requirements.
2. **Existing (developed) Properties:**
 - a. Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, as it becomes available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health.
 - b. 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 Wayne County Board of Health, 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.
- C. **Areas expected to be served by individual on-lot 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 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. Land 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.
 2. **Existing (developed) Properties:**
 - a. Existing sewage systems which fail to operate may be replaced and/or upgraded as necessary.

Appendix 3-31

Marshallville Facilities Planning Area

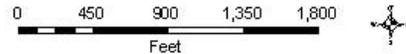
DRAFT

Marshallville Facilities Planning Area Clean Water Plan Update for the Ohio River Basin



- 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
- Areas without a wastewater treatment planning prescription
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Road
- Railroad
- Publicly Owned Waste Water Treatment Plant

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



Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-31-2

Marshallville Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne / Ohio River Basin

B. Facilities Planning Area:

Marshallville

C. Designated Management Agency:

I. Primary DMA

- a) Village of Marshallville
- b) Wayne County Office of Environmental Services

D. Publicly-Owned Treatment Works:

Marshallville WWTP, 0.1600 MGD

E. Facilities Plan:

UNKNOWN. The facilities planning boundary has been provided by the Wayne County Office of Environmental Services for Marshallville. No facilities plan has been prepared.

The General Compliance Plan for the Village of Marshallville was completed in June, 1987 by Poggemeyer Design Group, Inc., and was submitted to Ohio EPA, thereafter.

Detail Plans for wastewater treatment facilities and collection system improvements were submitted to Ohio EPA in October, 1989.

F. Area Served:

Wayne County - the Village of Marshallville only

G. Receiving Stream:

Tributary to Red Run, a tributary to Chippewa Creek

H. Contact Person/Address/Phone/Fax:

a. Mr. Tim Morgan, Plant Supervisor

Village of Marshallville

P.O. Box 227

Marshallville, Ohio 44645

Phone: (330) 855-5985

Fax: (330) 855-5985

b. Mr. Tim Patterson, Superintendent

Wayne County Office of Environmental Services

County Administration Building

428 West Liberty Street

Wooster, Ohio 44691

Phone: (330) 287-5476

Fax: (330) 287-5407

I. Population Served:

Population projections prepared are part of the NEFCO Staged Land Development Guide for the Village of Marshallville are:

Marshallville	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	1,100	-----	-----	-----	-----	-----
Approved 208	----- not prepared -----					

Approved NEFCO 208 Clean Water Plan population projections are not available.

II. Wastewater Treatment Planning Prescription and Wastewater Planning Options

Original source information provided by the Village of Marshallville, 2004.

Village of Marshallville Jurisdiction

- A. **Areas currently served with sanitary sewers (yellow)** – These areas are identified in the 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.

1. **New Development:**

- a. New development in this area will be required to connect and/or provide the necessary sanitary sewer infrastructure to connect to existing sewer lines to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant. The cost to connect and/or develop the infrastructure will be the developer’s expense.

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

- a. Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant when sanitary sewer becomes available and accessible, as determined by the Ohio EPA and/or the Wayne County Board of Health.
- b. Failing sewage systems will be required to connect to the existing sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure shall be borne by the property owner.

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

– These areas are identified in the 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 Department and Ohio EPA approvals). Land 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. Major Subdivisions, as defined by the Wayne County Planning Subdivision Regulations, will be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer.
- b. Minor Subdivisions 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 Board of County Commissioners 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 no off-lot discharge of effluent.
- c. 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. High density/high flow development shall be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure to connect shall be borne by the developer. Low density/low flow development may occur using non-discharging Semi-Public Sewage Disposal Systems (SPSDS), in accordance with Ohio EPA requirements.

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

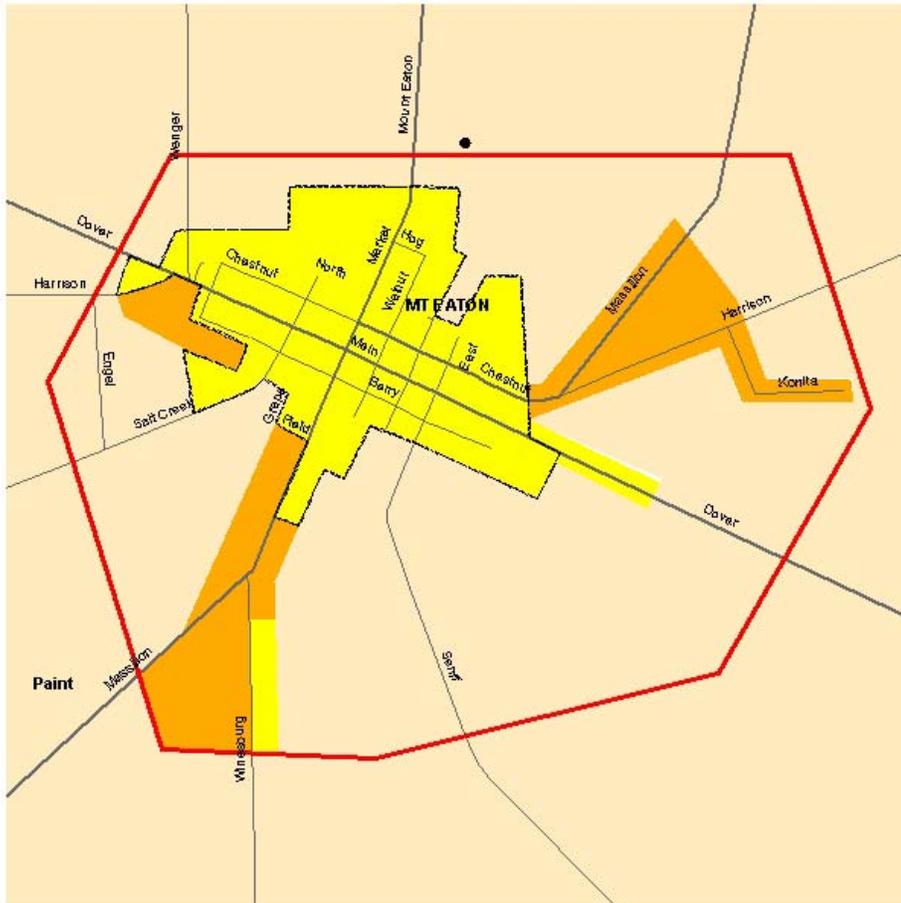
- a. Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, as it becomes available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health.
- b. Failing sewage systems may be replaced and/or upgraded as necessary until such time as the sanitary sewer is available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health, 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.

Appendix 3-32

Mount Eaton Facilities Planning Area

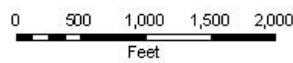
DRAFT

Mount Eaton Facilities Planning Area Clean Water Plan Update for the Ohio River Basin



- 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
- Areas without a wastewater treatment planning prescription
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Highway
- Road
- Publicly Owned Waste Water Treatment Plant

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



Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

Mount Eaton Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne / Ohio River Basin

B. Facilities Planning Area:

Mount Eaton

C. Designated Management Agency:

I. Primary DMA

a) Village of Mt. Eaton

II. Secondary DMAs

a) Wayne County Office of Environmental Services

D. Publicly-Owned Treatment Works:

Village of Mt. Eaton WWTP, current capacity 45,000 gpd, reserve capacity 90,000 gpd

E. Facilities Plan:

This plan was prepared and submitted by Mayor Rodney W. Constable, Village of Mt. Eaton on March 29, 2003.

F. Area Served:

The Village of Mt. Eaton and two small sections of Paint Township, Wayne County

G. Receiving Stream:

North Fork Sugar Creek

H. Contact Person/Address/Phone/Fax:

a. Hon. Rodney W. Constable

Mayor, Village of Mt. Eaton

PO BOX 279

Mt. Eaton, OH 44659

Phone: (330) 359-5727

Fax: (330) 359-2302

rconstable@sssnet.com

b. Mr. Tim Patterson, Superintendent

Wayne County Office of Environmental Services

428 West Liberty Street

Wooster, Ohio 44691

Phone: (330) 287-5476

Fax: (330) 287-5407

I. Population Served:

Approved NEFCO 208 Clean Water Plan population projections are not available.

	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
Mount Eaton	236	248	260	-----	-----	-----
Paint Township	2500	2750	3000	-----	-----	-----

Population increases are based on the 20 percent increase in population experienced from the 1990 census to the 2000 census.

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

Original source information provided by the Village of Mount Eaton, and the Wayne County Office of Environmental Services, on March 29, 2003.

The Village of Mt. Eaton and the Wayne County Commissioners entered into a governmental agreement that gives the Village of Mt. Eaton jurisdiction over the sewer district known as Paint Township. The agreement was signed on August 9, 2000 and was authorized by Wayne County Resolution 2000-422 and Village Ordinance 4-2000.

Village of Mount Eaton Jurisdiction

Areas currently sewered with sanitary sewers (yellow):

All units within the village corporation limits are currently served. All future development within this area is required to connect to our wastewater system.

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

These areas are projected to receive sewer but are not yet sewered. Upon request from the property owner and upon availability of grant funds for construction, we will make service available to these areas. These areas are currently served by home sewer treatment systems.

Areas without a wastewater treatment planning prescription (white):

The areas outside of those marked in Yellow and Orange will be served by HSTSs and SPSDSs. Upon request from the property owner and upon availability of grant funds for construction, consideration will be given to sewerage these areas.

Wayne County Office of Environmental Services Jurisdiction

- A. **Areas currently served with sanitary sewers (yellow)** – These areas are identified in the 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.

1. **New Development:**

- a. New development in this area will be required to connect and/or provide the

necessary sanitary sewer infrastructure to connect to existing sewer lines to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant. The cost to connect and/or develop the infrastructure will be the developer's expense.

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

- a. Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant when sanitary sewer becomes available and accessible, as determined by the Ohio EPA and/or the Wayne County Board of Health.
- b. Failing sewage systems will be required to connect to the existing sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure shall be borne by the property owner.

B. **Areas expected to be served with sanitary sewers within the next twenty (20) years (orange)** – These areas are identified in the 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 Department and Ohio EPA approvals). Land 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. Major Subdivisions, as defined by the Wayne County Planning Subdivision Regulations, will be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer.
- b. Minor Subdivisions 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 Board of County Commissioners 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 no off-lot discharge of effluent.
- c. 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. High density/high flow development shall be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure to connect

shall be borne by the developer. Low density/low flow development may occur using non-discharging Semi-Public Sewage Disposal Systems (SPSDS), in accordance with Ohio EPA requirements.

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

- a. Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, as it becomes available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health.
- b. 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 Wayne County Board of Health, 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.

C. **Areas expected to be served by individual on-lot 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 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. Land 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.

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

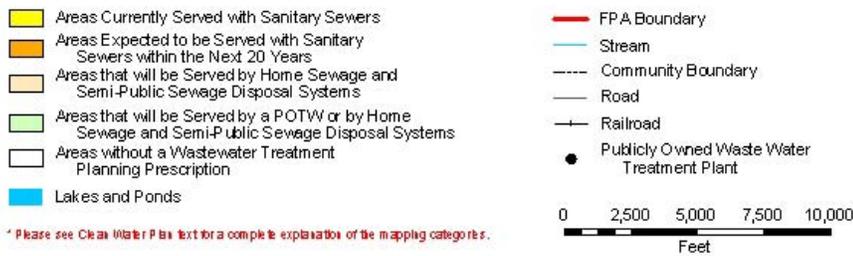
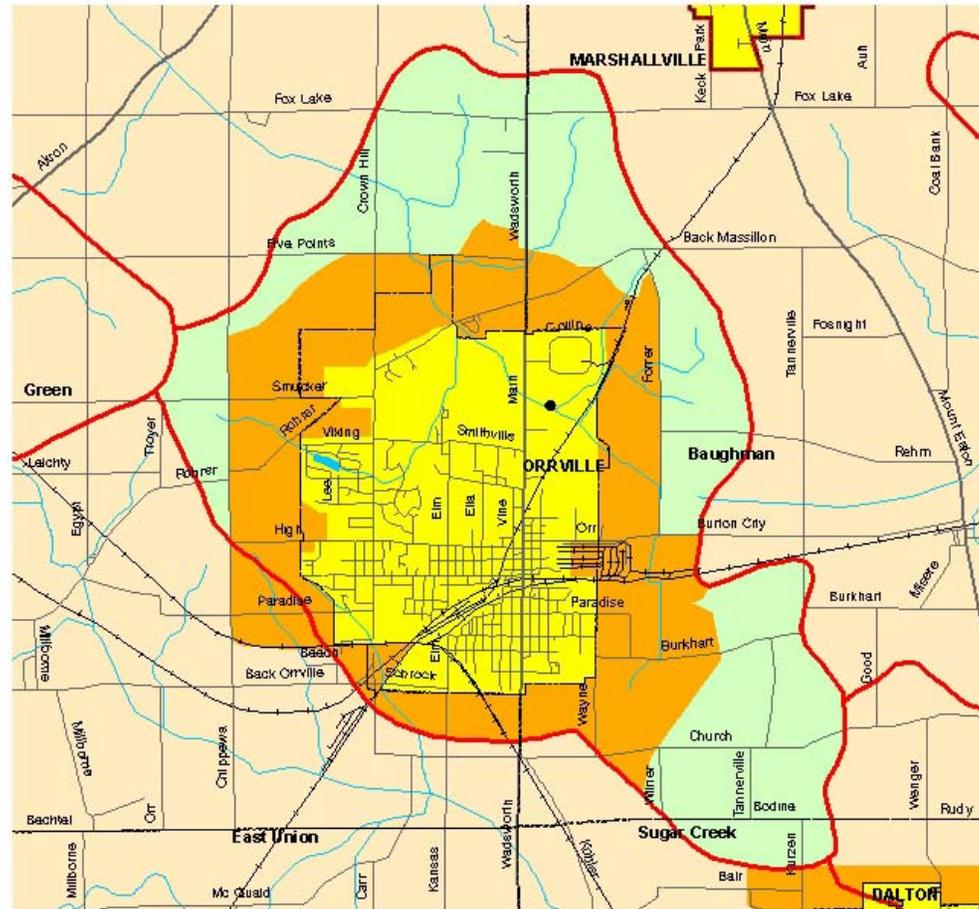
- a. Existing sewage systems which fail to operate may be replaced and/or upgraded as necessary.

Appendix 3-33

Orrville Facilities Planning Area

DRAFT

Orrville Facilities Planning Area 208 Clean Water Plan Update



Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

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

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)

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., 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
 Wayne County Office of Environmental Services
 County Administration Building
 428 West Liberty Street
 Wooster, Ohio 44691
 Phone: (330) 287-5476
 Fax: (330) 287-5407

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 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 20 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 (HSTSs, 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 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 there will be no off-lot discharge of effluent and there is no conflict with OAC 3701-29-02.

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 (SPSDSs) (green):

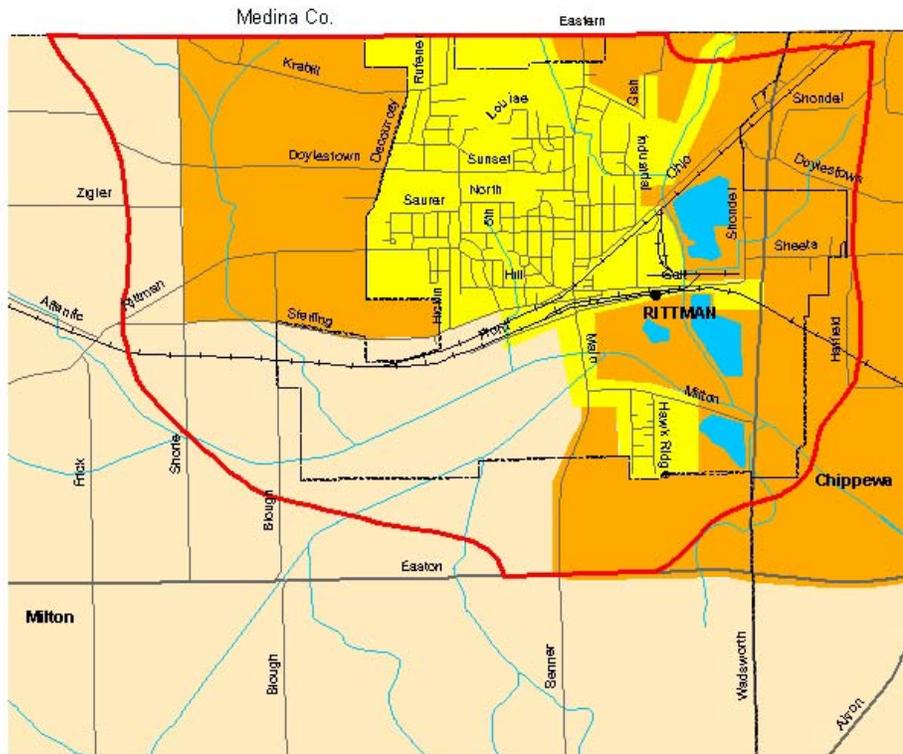
Project wastewater flow from this area is accounted for within the system. Sanitary sewer service to this area is not readily available; however, sewer extensions to said area may be available in the future. All new commercial, industrial, institutional and residential subdivision developments within 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, SPSDSs 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 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 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.

Appendix 3-34

Rittman Facilities Planning Area

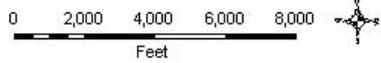
DRAFT

Rittman Facilities Planning Area Clean Water Plan Update for the Ohio River Basin



- 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
- Areas without a wastewater treatment planning prescription
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Road
- Railroad
- Publicly Owned Waste Water Treatment Plant

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



Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-34-2

Rittman Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne and Medina / Ohio River Basin

B. Facilities Planning Area:

Rittman

C. Designated Management Agency:

I. Primary DMA

a) City of Rittman

II. Secondary DMAs

a) Wayne County Office of Environmental Services

b) Medina County Sanitary Engineering Department

D. Publicly-Owned Treatment Works:

Rittman WWTP, 1.5910 MGD

E. Facilities Plan:

City of Rittman General Plan for Wastewater Treatment, September, 1985; Engineering Associates Ltd., Wooster, Ohio. City of Rittman Facilities Plan, October, 1988; Environmental Design Group, Inc., Stow, Ohio.

F. Area Served:

Wayne County - City of Rittman, Milton Township (part), and Chippewa Township (part)

Medina County - Guilford Township (part)

G. Receiving Stream:

River Styx, a tributary of the Chippewa Creek

H. Contact Person/Address/Phone/Fax:

a. Mr. Cary Metcalf, Utilities Director

City of Rittman

30 North Main Street

Rittman, Ohio 44270

Phone: (330) 925-2045

Fax: (330) 925-2006

b. Mr. Tim Patterson, Superintendent

Wayne County Office of Environmental Services

County Administration Building

428 West Liberty Street

Wooster, Ohio 44691

Phone: (330) 287-5476

Fax: (330) 287-5407

c. Mr. Ken Holtz, County Engineer
 Medina County Sanitary Engineering Department
 791 West Smith
 Medina, Ohio 44606
 Phone: (330) 723-9580
 Fax: (330) 723-9661

I. Population Served:

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

Rittman (Wayne County only)	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	9,150	10,000	-----	-----	-----	-----
Approved 208	9,824	10,149	-----	-----	-----	-----

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 Rittman, **DATE**, the Wayne County Office of Environmental Services, **DATE**.

City of Rittman and Wayne County Office of Environmental Services Jurisdiction

A. **Areas currently served with sanitary sewers (yellow)** – These areas are identified in the 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.

1. **New Development:**

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

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

a. Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant when sanitary sewer becomes available and accessible, as determined by the Ohio EPA and/or the Wayne County Board of Health.

b. Failing sewage systems will be required to connect to the existing sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to

provide the necessary sanitary sewer infrastructure shall be borne by the property owner.

B. **Areas expected to be served with sanitary sewers within the next twenty (20) years (orange)** – These areas are identified in the 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 Department and Ohio EPA approvals). Land 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. **Major Subdivisions**, as defined by the Wayne County Planning Subdivision Regulations, will be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer.
- b. **Minor Subdivisions** 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 Board of County Commissioners 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 no off-lot discharge of effluent.
- c. **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. High density/high flow development shall be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure to connect shall be borne by the developer. Low density/low flow development may occur using non-discharging Semi-Public Sewage Disposal Systems (SPSDS), in accordance with Ohio EPA requirements.

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

- a. Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, as it becomes available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health.
- b. 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 Wayne County Board of Health, 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.

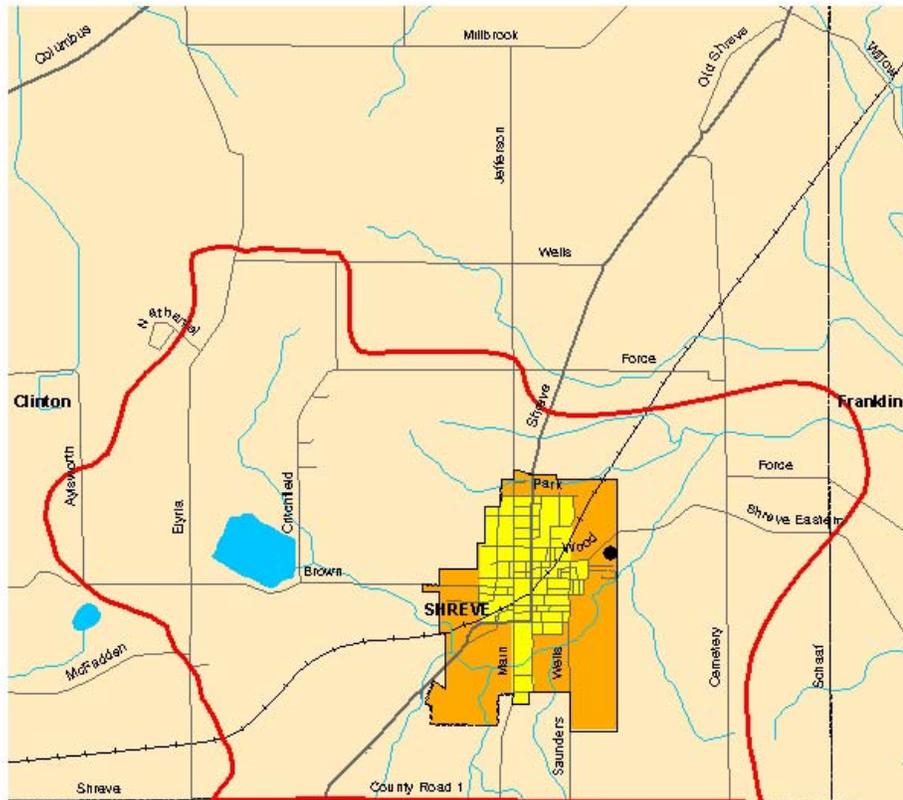
- C. **Areas expected to be served by individual on-lot systems or semi-public systems, and where local officials are oriented to maintaining an unsewered status for the foreseeable future (cream)** – These areas are identified in the Comprehensive Plan as the Conservation Area. The infrastructure policy 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. Land 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 HSTs and non-discharging SPSDSs as the primary method for the treatment of wastewater.
 2. **Existing (developed) Properties:**
 - a. Existing sewage systems which fail to operate may be replaced and/or upgraded as necessary.

Appendix 3-35

Shreve Facilities Planning Area

DRAFT

Shreve Facilities Planning Area Clean Water Plan Update for the Ohio River Basin



Holmes Co.

- 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
- Areas without a wastewater treatment planning prescription
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Road
- Railroad
- Publicly Owned Waste Water Treatment Plant

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

0 1,500 3,000 4,500 6,000
Feet



Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-35-2

Shreve Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne and Holmes / Ohio River Basin

B. Facilities Planning Area:

Shreve

C. Designated Management Agency:

I. Primary DMA

a) Village of Shreve

b) Wayne County Office of Environmental Services

c) Holmes County

D. Publicly-Owned Treatment Works:

Shreve WWTP, 0.4830 MGD

E. Facilities Plan:

Step One Grant offer was received in August, 1979. Engineering Associates, Ltd., has prepared portions of the Step One facilities plan. General plan of proposed wastewater treatment facilities improvements for the Village of Shreve was submitted to Ohio EPA-NEDO in August, 1985. The Plan, which was prepared by Engineering Associates, was reviewed and approved, thereafter.

F. Area Served:

Wayne County - Village of Shreve, Clinton Township (part), and Franklin Township (part)

Holmes County - Riley Township (part)

G. Receiving Stream:

Shreve Creek, a tributary of the Killbuck Creek

H. Contact Person/Address/Phone/Fax:

a. Mr. Bruce Biggs, Head of Water and Sewer

Village of Shreve

P.O. Box 604

Shreve, Ohio 44667

Phone: (330) 567-2601

Fax: (330) 567-3804

- b. Mr. Tim Patterson, Superintendent
Wayne County Office of Environmental Services
County Administration Building
428 West Liberty Street
Wooster, Ohio 44691
Phone: (330) 287-5476
Fax: (330) 287-5407

I. Population Served:

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

Shreve	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	----- not prepared -----					
Approved 208	2,426	2,529	-----	-----	-----	-----

II. Wastewater Treatment Planning Prescription and Wastewater Planning Options

Original source information provided by the Village of Shreve, **DATE**, the Wayne County Office of Environmental Services, **DATE**.

Village of Shreve Jurisdiction and Wayne County Office of Environmental Services Jurisdiction

- A. **Areas currently served with sanitary sewers (yellow)** – These areas are identified in the 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.

1. **New Development:**

- a. New development in this area will be required to connect and/or provide the necessary sanitary sewer infrastructure to connect to existing sewer lines to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant. The cost to connect and/or develop the infrastructure will be the developer’s expense.

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

- a. Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant when sanitary sewer becomes available and accessible, as determined by the Ohio EPA and/or the Wayne County Board of Health.
- b. Failing sewage systems will be required to connect to the existing sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to

provide the necessary sanitary sewer infrastructure shall be borne by the property owner.

B. **Areas expected to be served with sanitary sewers within the next twenty (20) years (orange)** – These areas are identified in the 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 Department and Ohio EPA approvals). Land 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. Major Subdivisions, as defined by the Wayne County Planning Subdivision Regulations, will be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer.
- b. Minor Subdivisions 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 Board of County Commissioners 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 no off-lot discharge of effluent.
- c. 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. High density/high flow development shall be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure to connect shall be borne by the developer. Low density/low flow development may occur using non-discharging Semi-Public Sewage Disposal Systems (SPSDS), in accordance with Ohio EPA requirements.

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

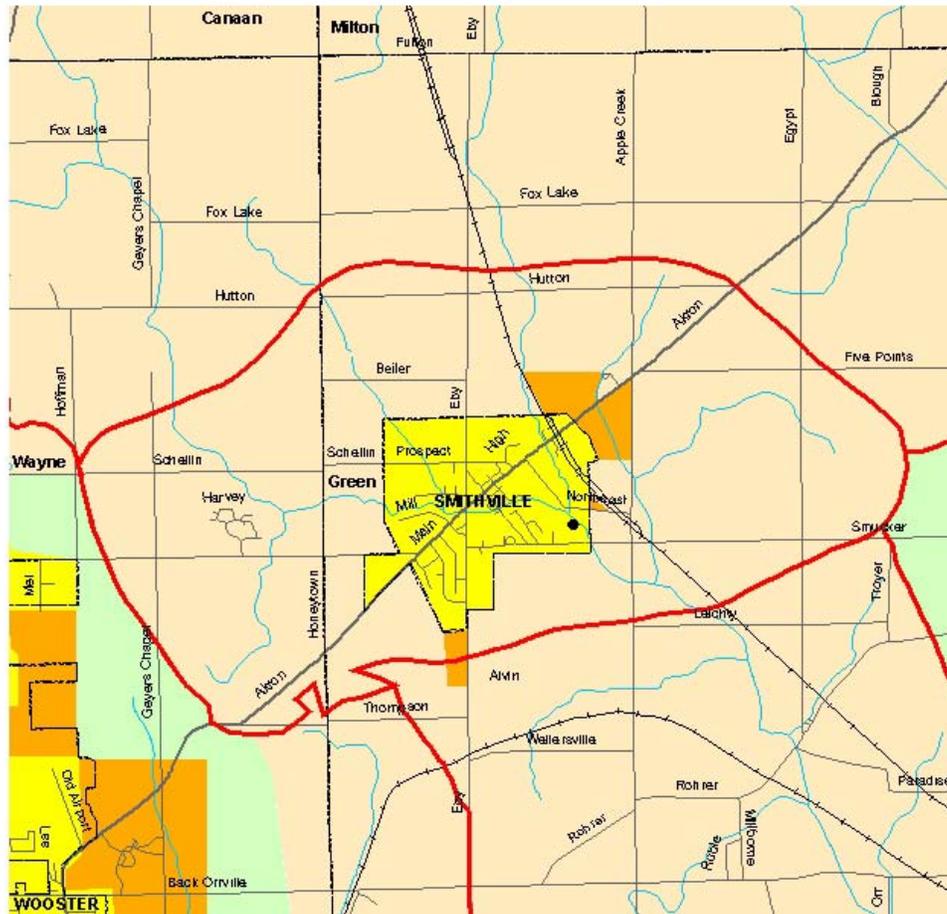
- a. Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, as it becomes available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health.
- b. Failing sewage systems may be replaced and/or upgraded as necessary until such time as the sanitary sewer is available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health, 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.

- C. **Areas expected to be served by individual on-lot 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 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. Land 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 HSTs and non-discharging SPSDSs as the primary method for the treatment of wastewater.
 2. **Existing (developed) Properties:**
 - a. Existing sewage systems which fail to operate may be replaced and/or upgraded as necessary.

Appendix 3-36

Smithville Facilities Planning Area

DRAFT **Smithville Facilities Planning Area**
Clean Water Plan Update for the Ohio River Basin



- 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
- Areas without a wastewater treatment planning prescription
- Lakes and Ponds
- FPA Boundary
- Stream
- Community Boundary
- Road
- + Railroad
- Publicly Owned Waste Water Treatment Plant

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

0 2,000 4,000 6,000 8,000 Feet

Northeast Ohio Four County Regional Planning and Development Organization, May 2005.

3-36-2

Smithville Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne / Ohio River Basin

B. Facilities Planning Area:

Smithville

C. Designated Management Agency:

I. Primary DMA

a) Village of Smithville

II. Secondary DMAs

a) Wayne County Office of Environmental Services

D. Publicly-Owned Treatment Works:

Smithville WWTP, 0.2800 MGD

Within the planning area we have 2 package plants

E. Facilities Plan:

Bender, Grindle, Raike, Inc., Facilities Plan Engineering Report for Wastewater Facilities for Village of Smithville, Ohio, April, 1976

Finkbeiner, Pettis & Strout, Inc., Wastewater Treatment Plant Improvements for Village of Smithville, Ohio, April 1997

F. Area Served:

Village of Smithville located in Wayne and Green Township, Wayne County

G. Receiving Stream:

Sugar Creek Mainstem

H. Contact Person/Address/Phone/Fax:

a. Mr. Charles Heath, Licensed Wastewater Treatment Plant Operator

Don Fry, Plant Operator

Village of Smithville

P.O. Box 517

Smithville, Ohio 44677

Phone: (330) 669-2633

Fax: (330) 669-3470

b. Mr. Tim Patterson, Superintendent
 Wayne County Office of Environmental Services
 County Administration Building
 428 West Liberty Street
 Wooster, Ohio 44691
 Phone: (330) 287-5476
 Fax: (330) 263-5307

I. Population Served:

The Facilities Plan for Wastewater Facilities for the Village of Smithville, Ohio has a population projection for the design year 2000 of 1,333 people for Smithville and 2,100 people for the planning area.

Smithville	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201 (a)	2,100	2200	2300	2400	2500	2600
Approved 208	-----	-----	-----	-----	-----	-----

Smithville population is based on 2000 census with modest increases due to limited building sites available. The village is bordered by large farms, so the population around Smithville is spread out except for some concentration at a retirement care facility.

(a) Bender, Grindle, Raike, Inc., November, 1975. Plate 10-Appendix D.

Approved NEFCO 208 Clean Water Plan population projections are not available.

II. Wastewater Treatment Planning Prescription and Wastewater Planning Options

Original source information provided by the Village of Smithville, April, 2003, and the Wayne County Office of Environmental Services, April 2003.

Village of Smithville and Wayne County Office of Environmental Services Jurisdiction

Areas currently sewered with sanitary sewers (yellow):

These areas are currently incorporated and served with sanitary sewers that have been constructed and in operation. All new development and construction 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 Village of Smithville wastewater treatment plant.

New development in this area will be connected to the Village of Smithville wastewater treatment plant. The cost to connect to and/or provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer. In addition, the cost to improve and/or expand existing sewer mains and wastewater treatment capacity shall be borne by the developer. The wastewater treatment plant must meet EPA permit requirements with the new anticipated flows added to existing flow rates. If existing capacity is found to be available an impact study on the treatment plant will be required and an impact fee may be imposed on the developer.

Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at the Smithville Wastewater Treatment Plant when sanitary sewer becomes available, as determined by the Ohio EPA and/or the Wayne County Board of Health.

Failing sewage systems will be required to connect to the existing sewer system, fully observing all regulations of the Village of Smithville. 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):

All future sanitary sewers constructed in this area will be connected to the Village of Smithville wastewater treatment plant. The developer must make a formal written request to Smithville Village Council and Board of Public Affairs requesting services. The areas presently exist outside of the corporation limits and Council may request annexation as a condition for providing services.

All sanitary sewers constructed in this area will be connected to the Village of Smithville wastewater treatment plant. The cost to connect to and/or provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer. In addition, the cost to improve and/or expand existing sewer mains and wastewater treatment capacity shall be borne by the developer. The wastewater treatment plant must meet EPA permit requirements with the new anticipated flows added to existing flow rates. If existing capacity is found to be available an impact study on the treatment plant will be required and an impact fee may be imposed on the developer.

Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, as it becomes available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health.

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 Wayne County Board of Health, 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 that will be served by HSTSs and SPSDSs (cream):

These areas are identified in the Comprehensive Plan as the Conservation Area. The infrastructure policy in 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. Land irrigation is prohibited as a wastewater treatment option in this area. Development within this area shall be subject to the following:

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 HSTs and non-discharging SPSDSs as the primary method for the treatment of wastewater.

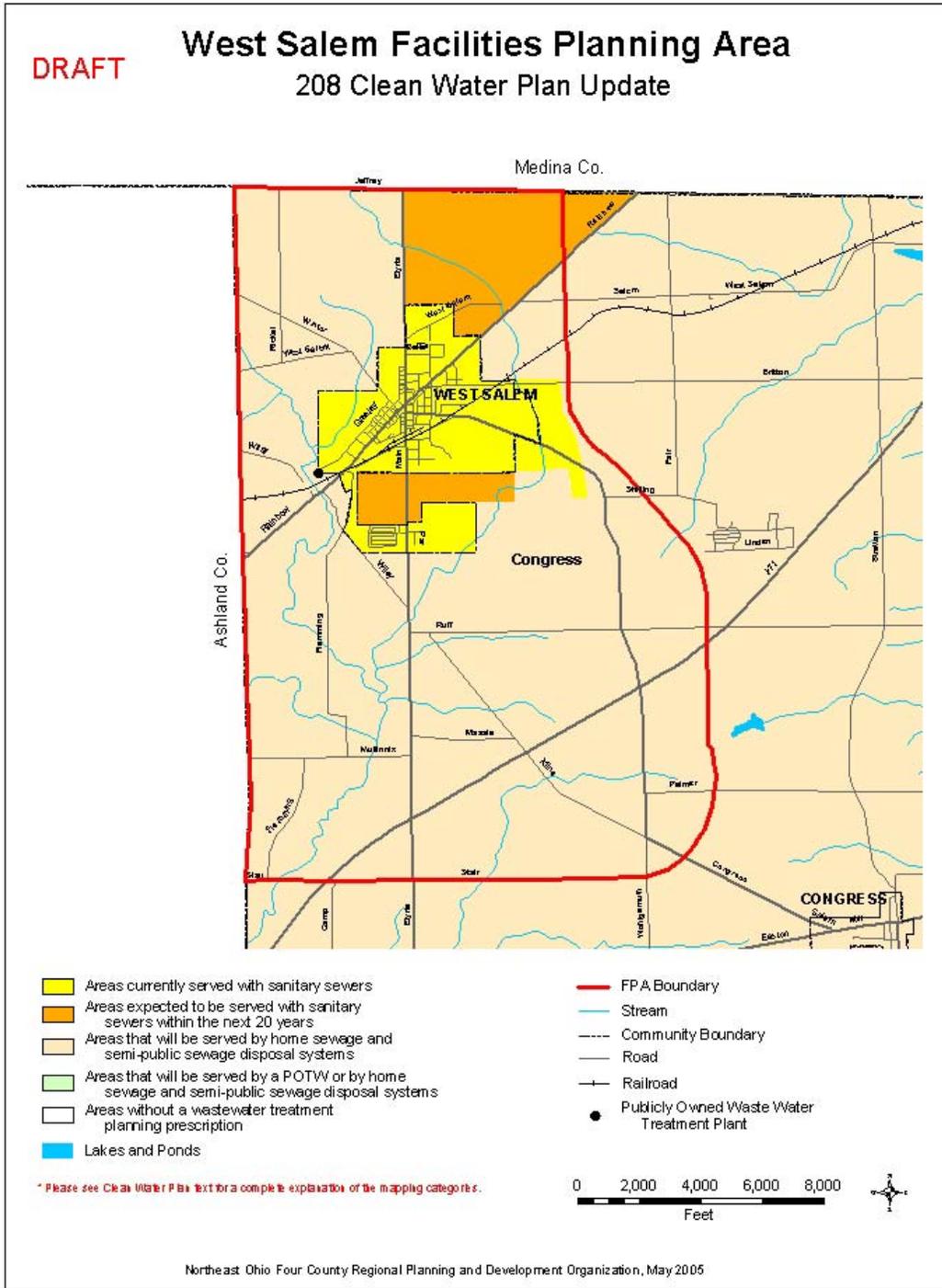
Existing HSTs and SPSDSs that fail to operate may be replaced and/or upgraded as necessary.

Appendix 3-37

West Salem Facilities Planning Area

DRAFT

West Salem Facilities Planning Area 208 Clean Water Plan Update



3-37-2

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. Tim Patterson, Superintendent

Wayne County Office of Environmental Services

County Administration Building

428 West Liberty Street

Wooster, Ohio 44691

Phone: (330) 287-5476

Fax: (330) 287-5407

I. Population Served:

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

	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
West Salem						
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, **DATE**, and the Wayne County Office of Environmental Services, **DATE**.

Village of West Salem Jurisdiction

Areas currently sewerd with sanitary sewers (yellow):

Areas are identified in the 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 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 Department and Ohio EPA approvals). Land 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.

Wayne County Office of Environmental Services Jurisdiction

- A. **Areas expected to be served by individual on-lot 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 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. Land 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.

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

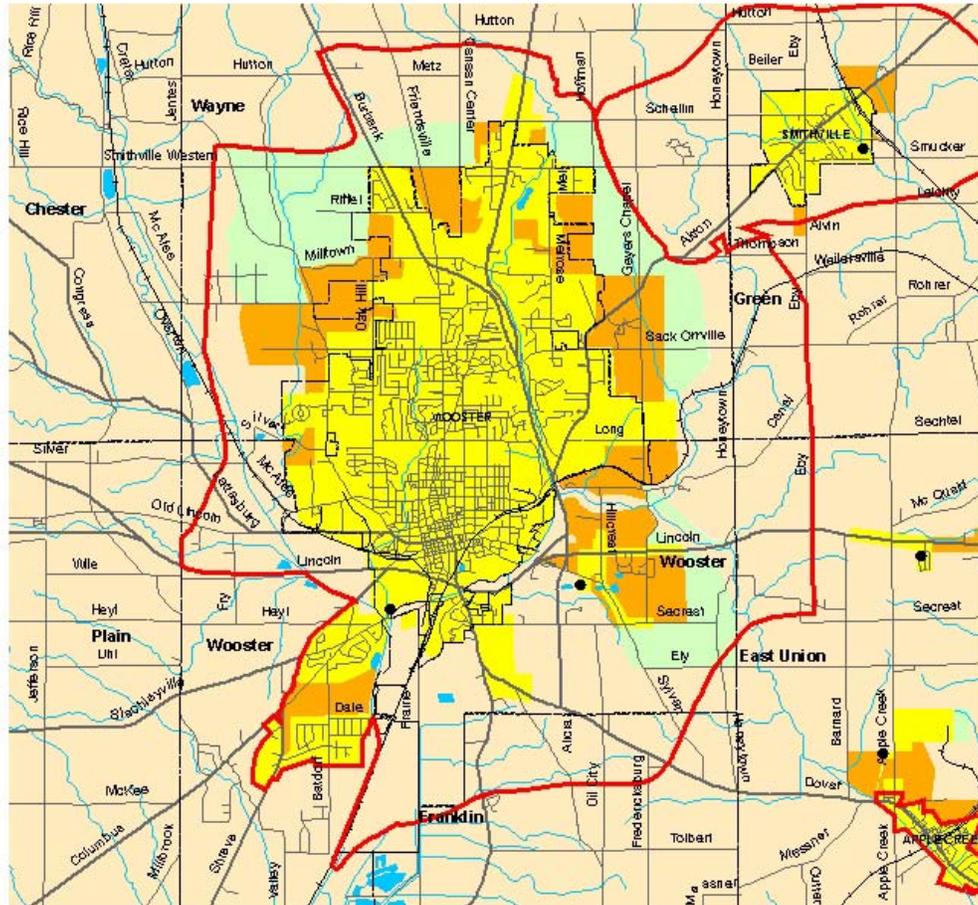
- a. Existing sewage systems which fail to operate may be replaced and/or upgraded as necessary.

Appendix 3-38

Wooster Facilities Planning Area

DRAFT

Wooster Facilities Planning Area 208 Clean Water Plan Update



- 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
 - Areas without a Wastewater Treatment Planning Prescription
 - Lakes and Ponds
 - FPA Boundary
 - Stream
 - Community Boundary
 - Road
 - Railroad
 - Publicly Owned Waste Water Treatment Plant
- 0 3,900 7,800 11,700 15,600
Feet
- * Please see Clean Water Plan text for a complete explanation of the mapping categories.

Northeast Ohio Four County Regional Planning and Development Organization, May 2005

3-38-2

Wooster Facilities Planning Area

I. Existing Situation

A. County/Basin:

Wayne / Ohio River Basin

B. Facilities Planning Area:

Wooster

C. Designated Management Agency:

I. Primary DMA

a) City of Wooster

II. Secondary DMAs

a) Wayne County Office of Environmental Services

b) City of Wooster

D. Publicly-Owned Treatment Works:

Wooster WWTP, 7.5000 MGD

Wayne County-Hillcrest WWTP, 0.20 MGD

E. Facilities Plan:

Jones and Henry Engineers, Ltd., City of Wooster, Ohio - 201 Facilities Plan, April 1980.

Jones and Henry Engineers, Ltd., City of Wooster, Ohio Facilities Plan Update, February 1986. Wayne County Office of Environmental Services and City of Wooster, Wooster Facilities Plan Update for the Clear Creek Sewer Area in Wayne County, Ohio, January 15, 1999.

F. Area Served:

City of Wooster (part), East Union Township (part), Franklin Township (part), Green Township (part), Wayne Township (part), and Wooster Township (part)

G. Receiving Stream:

Killbuck Creek and unnamed tributary to Apple Creek

H. Contact Person/Address/Phone/Fax:

a. Mr. Michael Hunter, Utilities Superintendent

City of Wooster

1123 Columbus Road

Wooster, Ohio 44691

Phone: (330) 263-5200 ext 385

Fax: (330) 263-5291

b. Mr. Tim Patterson, Superintendent
 Wayne County Office of Environmental Services
 County Administration Building
 428 West Liberty Street
 Wooster, Ohio 44691
 Phone: (330) 287-5476
 Fax: (330) 287-5407

c. Dr. Gregory L. Halley, MD, MBA
 Wayne County Health Commissioner
 203 S. Walnut Street
 Wooster, OH 44691
 Phone: (330) 264-9590
 Fax: (330) 262-2538

I. Population Served:

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

Wooster	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	43,900	-----	-----	-----	-----	-----
Approved 208	36,245	38,182	-----	-----	-----	-----

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 Wooster, December 2002.

City of Wooster Jurisdiction

Areas currently sewered with sanitary sewers (yellow):

City of Wooster - These areas are currently served with sanitary sewers that have been constructed and are currently in operation. However, there may be undeveloped tracts of land and vacant lots subject to improvement and there may be isolated buildings on a household sewage treatment system (HSTS) on properties located more than 100' from a public sewer. All new buildings the yellow areas within the City of Wooster will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at the Wooster POTW.

Existing non-residential private treatment systems (if any), which cease to operate properly, shall be abandoned and connection made to the existing sanitary sewer system. Failing home sewage treatment systems (HSTSs) serving single family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 subject to availability of a public sanitary sewer. If a public sewer is not available, the owner will

be required to repair or replace the on-site system in accordance with the regulations of the Wayne County Health Department.

A public sanitary sewer shall be deemed available inside the corporation limits pursuant to Codified Ordinance 923.02(d), which states that the owner of any house, building or property used for human occupancy, employment, recreation or other purposes situated within the City and abutting on any street, alley or right of way in which there is located a public sanitary sewer of the City is required to extend and connect directly with the proper public sanitary sewer provided the public sanitary sewer is within 100 feet of the property line.

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

Areas currently sewerred with sanitary sewers (yellow):

Wayne Township (part) and Wooster Township (part) - These areas have been constructed and are currently served in operation that discharge to the Wooster POTW or Hillcrest POTW. However, there may be undeveloped tracts of land and vacant lots subject to improvement and there may be isolated buildings on a HSTS or a semi-public sewage disposal system (SPSDS) with foundations located more than 200' from a public sewer. All new buildings in the yellow areas outside the City of Wooster will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at the Wooster POTW or Hillcrest POTW.

Existing non-residential private treatment systems (if any), two-family private treatment systems or three-family private treatment systems, which cease to operate properly, shall be abandoned and connection made to the existing sanitary sewer system. Failing home sewage treatment systems (HSTSs) serving single family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02 subject to availability of a public sanitary sewer. If a public sewer is not available, the owner will be required to repair or replace the on-site system in accordance with the regulations of the Wayne County Health Department.

A public sewer in unincorporated areas within sewer district boundaries shall be deemed available pursuant to Wayne County Health Department Regulation #144, which requires connect to a public sanitary sewer of any structure whose foundation is within 200' of a public sanitary sewer.

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

These are areas projected to receive sanitary sewers but are not yet sewerred. All wastewater generated by new major residential subdivisions of 5 lots or more, and all commercial, industrial, and institutional developments will be required to connect to an existing publicly owned treatment works (POTW). The developer shall be required to extend new sanitary sewers as necessary, fully observing all regulations of governing agencies (including annexation if tying into Wooster sewers outside of existing sewer district boundaries), from the proposed development to the existing sanitary sewer system that is served by an existing POTW.

If annexation is not possible because the land is not contiguous to the city and the owners of properties between the corporation limits and the proposed development are not willing to annex, then the proposed development can occur using non-discharging HSTSs or non-discharging semi-public sewage disposal systems (SPSDSs) for each lot. For new subdivisions, dry sewers must also be installed for future connection to the public sanitary sewer system. A general master plan of dry sewer system must be approved by the agency having jurisdiction before approval of the HSTSs will be granted. The contractor/builder of individual residential units will have the opportunity to secure permission from the local zoning or planning agency that has jurisdiction and the Wayne County Health Department for installation of a non-discharging HSTS if sewers are not yet available.

Non-discharging HSTSs or non-discharging SPDSs using irrigation will not be permitted.

In accordance with the Ohio Administrative Code 3701-29-02 and applicable Wayne County and City of Wooster rules, any operating, failing or failed HSTS, package plants, non-discharging and discharging semi-public systems must connect to an existing POTW sanitary sewer if the sanitary sewers are available.

A public sanitary sewer shall be deemed available pursuant to Codified Ordinance 923.02(d) inside the corporation limits, which states that the owner of any house, building or property used for human occupancy, employment, recreation or other purposes situated within the City and abutting on any street, alley or right of way in which there is located a public sanitary sewer of the City is required to extend and connect directly with the proper public sanitary sewer provided the public sanitary sewer is within 100 feet of the property line. A public sewer in unincorporated areas within sewer district boundaries shall be deemed available pursuant to Wayne County Health Department Regulation #144, which requires connection to a public sanitary sewer of any residential structure whose foundation is within 200 feet of a public sanitary sewer. Failing semi-public sewage disposal systems (SPSDSs) are under the jurisdiction of Ohio EPA.

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 (SPSDSs) (green):

These are rural areas with undeveloped tracts of land and vacant lots subject to improvement and existing subdivisions developed in the past using HSTSs for wastewater treatment. All new subdivision development, whether residential or non-residential, and all other new non-residential, and multi-family residential development, will be required to annex (if tying into Wooster sewers) and to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. If annexation is not possible because the land is not contiguous to the city and the owners of properties between the corporation limits and the proposed development are not

willing to annex, then the proposed development can occur using non-discharging HSTSs or non-discharging semi-public sewage disposal systems (SPSDSs) for each lot. For new subdivisions, dry sewers must also be installed for future connection to the public sanitary sewer system. A general master plan of the dry sewer system must be approved by the agency having jurisdiction before approval of the HSTSs will be granted.

Non-discharging HSTSs or non-discharging SPDSs using irrigation will not be permitted.

Vacant lots within HSTS-served subdivisions and remote metes and bounds residentially-zoned parcels may be so improved with new HSTSs provided the Wayne County Health Department finds that soils are suitable to assure there will be no off-lot discharge of effluent.

Owners of existing single-family, two-family and three-family private treatment systems which fail to operate properly will be required to connect to and/or provide sanitary sewer service to ensure that wastewater will be treated at an existing POTW. Exceptions may be granted/requested based on sewer availability, soil conditions, extent of failure, and cost or repair. This decision shall be determined on a case-by-case basis by the Wayne County Health Department.

Areas without a wastewater treatment planning prescription (white):

Until this plan is modified, these white areas will follow current regulations for the Wayne County Health District or Ohio EPA as applicable.

Appendix 3-39

Prescription for the Balance of Wayne County Office of Environmental Services Jurisdiction

A. **Areas currently served with sanitary sewers (yellow)** – These areas are identified in the 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.

1. **New Development:**

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

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

a. Existing sewage systems shall be required to connect to the existing sanitary sewer to ensure that wastewater will be treated at a County or Municipality owned Wastewater Treatment Plant when sanitary sewer becomes available and accessible, as determined by the Ohio EPA and/or the Wayne County Board of Health.

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

B. **Areas expected to be served with sanitary sewers within the next twenty (20) years (orange)** – These areas are identified in the 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 Department and Ohio EPA approvals). Land 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. **Major Subdivisions**, as defined by the Wayne County Planning Subdivision Regulations, will be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or to provide the necessary sanitary sewer infrastructure to connect to existing sewer lines shall be borne by the developer.

b. **Minor Subdivisions** 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 Board of County Commissioners 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 no off-lot discharge of effluent.

- c. 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. High density/high flow development shall be required to connect to the existing sanitary sewer system, fully observing all regulations of governing agencies. The cost to connect and/or provide the necessary sanitary sewer infrastructure to connect shall be borne by the developer. Low density/low flow development may occur using non-discharging Semi-Public Sewage Disposal Systems (SPSDS), in accordance with Ohio EPA requirements.
2. **Existing (developed) Properties:**
 - a. Existing (developed) properties shall be required to connect to the existing sanitary sewer, at the property owner's cost, as it becomes available and accessible, as determined by the Ohio EPA and the Wayne County Board of Health.
 - b. 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 Wayne County Board of Health, 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.
- C. **Areas expected to be served by individual on-lot 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 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. Land 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.
 2. **Existing (developed) Properties:**
 - a. Existing sewage systems which fail to operate may be replaced and/or upgraded as necessary.

Appendix 3-40
NEFCO Population Projections

Methodology of NEFCO Population Projections, 2000 - 2030

In 1995, the Northeast Ohio Four County Regional Planning and Development Organization (NEFCO) released a set of sub-county population projections for the four-county area for the years 1995 to 2020. The goal of the project was to provide a consistent set of figures to be used for planning purposes at the county and regional levels and to incorporate the county control totals calculated by the state's Office of Strategic Research. The 1995-2020 population projections were approved by each county's planning commission and the NEFCO General Policy Board. Sub-county projections are available to the public and private sectors as well as to the general public. Since NEFCO continues to receive numerous requests for these data, revised projections are expected to prove useful.

In 1999, the Akron Metropolitan Area Transportation Study (AMATS), the Metropolitan Planning Organization for Portage and Summit Counties and Chippewa Township in Wayne County, requested a revision in the sub-county projections covering its service area. AMATS will be using the projections to update its Regional Transportation Plan. NEFCO had planned to revise its 1995-2020 projections after the results of Census 2000 were published. However, AMATS' request prompted NEFCO staff to update its current set of projections. A revision reflecting the latest Census figures is planned within the next 2 years.

Staff used the 1995-2020 projections in order to forecast future populations for the years 2025 and 2030. For Portage, Stark, Summit and Wayne Counties, populations for the years 2010, 2015, and 2020 (from NEFCO's projections adopted in 1995) were used to calculate figures for 2025 and 2030. A statistical regression technique calculated by the Excel spreadsheet's AForecast@ function was used. County totals for the years 2000, 2010, 2015 and 2020 were developed by the Ohio Department of Development's Office of Strategic Research. County totals for the years 2025 and 2030 are the sum of the projected populations of the individual communities.

The Stark County methodology differs slightly. For NEFCO's 1995-2020 data set Stark County's projections for the years 2000, 2005, 2010, and 2015 were not prepared. In order to utilize the same straight-line forecasting methodology as used for Portage, Summit and Wayne Counties, staff prepared projections for these missing years as well as for 2025 and 2030. In order to generate numbers for 2000, 2005, 2010, and 2015 the difference between the 1990 Census populations and the approved 2020 figures was calculated for each community. Next, the assumption was made that growth rates for successive five-year increments would be equal over the 30 year span. This step allowed for the populations for each community to total the previously-approved 2020 data. However, the total of the individual entities did not conform to the County Control Total generated by the Ohio Department of Development's Office of Strategic Research. Staff calculated the amounts over or under the control total and then allocated the difference among each of Stark County's communities using that community's percentage of the total county population in 1990.

While a constant rate of growth in the population for each community is unlikely, this assumption was necessary because of the lack of information other than the (declining) population trend between 1980 and 1990. The 2025 and 2030 populations were generated in a way similar to those of Portage, Summit and Wayne Counties. The populations from the years 2010, 2015 and 2020 were entered into an regression equation found in the Microsoft Excel spreadsheet. This equation predicts the population along a linear trend using existing values.

Since this current set of projections includes populations previously released in 1995, a discussion of the methodology used in 1995 is necessary. Adopting county population projections developed by the Ohio Department of Development, Office of Strategic Research (OSR), the model, AChange in County Share-Moderate 1980-1990 Trends,@ was used to develop a preliminary set of projections for consideration by the NEFCO Planning Advisory Committee. This method used as its base a community's county share, or percent of the county population for 1980 and 1990. The model then calculated the change in a community's percent of county share from 1980 to 1990 and moderated this percentage change by a factor to determine a Atrend@ for 1995. This trend was applied to 1990 to estimate 1995's population. The process was repeated for the years 2000, 2005, 2010, 2015 and 2020. To determine the 2020 population projection for a county, an average growth rate between 1990 and 2015 was calculated and applied to the estimated county population for 2015.

These projections do not include recent annexations or reflect the building boom which is occurring in many of our communities. We recognize this as a weakness of these projections but it would have been difficult to consider these types of data and provide AMATS with the figures they needed in a timely manner. We will certainly use this information when new projections are prepared.

NEFCO staff is committed to coordinating with our Planning Advisory Committee a new set of population projections for our local governments once the 2000 Census information is available, and when the Ohio Department of Development has issued county control totals.

NEFCO Population Projections

	2000 CENSUS	2005 NEFCO	2010 NEFCO	2015 NEFCO	2020 NEFCO	2025 NEFCO	2030 NEFCO
<u>Portage County</u>							
<u>Cities</u>							
Aurora	13,556	11,359	11,733	12,003	12,320	12,606	12,899
Kent	27,906	32,030	33,011	33,737	34,592	35,361	36,152
Ravenna	11,771	12,673	12,916	13,126	13,383	13,609	13,842
Streetsboro	12,311	11,552	11,900	12,158	12,462	12,735	13,016
Tallmadge*	210						
<u>Villages</u>							
Brady Lake	513	526	539	549	561	572	583
Garrettsville	2,262	2,279	2,357	2,412	2,478	2,537	2,597
Hiram	1,242	1,369	1,389	1,409	1,434	1,456	1,478
Mantua	1,046	1,328	1,373	1,405	1,443	1,477	1,512
Mogadore	942	1,026	1,031	1,041	1,054	1,065	1,077
Sugar Bush Knolls	227	228	233	238	243	248	253
Windham	2,806	2,526	2,455	2,434	2,419	2,400	2,382
<u>Townships</u>							
Atwater Twp.	2,762	2,764	2,810	2,852	2,904	2,949	2,996
Brimfield Twp.	7,963	8,180	8,389	8,552	8,747	8,921	9,100
Charlestown Twp.	2,003	2,138	2,208	2,259	2,319	2,373	2,429
Deerfield Twp.	3,211	2,927	2,989	3,040	3,102	3,157	3,213
Edinburg Twp.	2,344	2,092	2,136	2,172	2,216	2,255	2,295
Franklin Twp.	5,276	7,613	7,930	8,146	8,395	8,622	8,855
Freedom Twp.	2,751	2,738	2,807	2,862	2,927	2,985	3,045
Hiram Twp.	2,296	2,120	2,189	2,240	2,299	2,353	2,408
Mantua Twp.	4,661	4,647	4,738	4,815	4,911	4,994	5,081
Nelson Twp.	2,985	3,154	3,264	3,343	3,435	3,518	3,604
Palmyra Twp.	2,785	2,713	2,776	2,827	2,889	2,944	3,000
Paris Twp.	1,827	1,976	2,035	2,079	2,131	2,178	2,226
Randolph Twp.	5,504	5,108	5,182	5,255	5,345	5,424	5,505
Ravenna Twp.	9,270	9,201	9,333	9,462	9,625	9,765	9,911
Rootstown Twp.	7,212	6,930	7,060	7,174	7,313	7,435	7,562
Shalersville Twp.	5,976	5,510	5,610	5,699	5,808	5,904	6,003
Suffield Twp.	6,383	6,669	6,805	6,920	7,061	7,185	7,313
Windham Twp.	2,060	2,006	2,034	2,062	2,098	2,129	2,161
PORTAGE TOTAL	152,061	155,382	159,232	162,271	165,914	169,157	172,498

All projections were adopted by NEFCO's Board in 2000.

*See Summit County for projections.

Prepared by the Northeast Ohio Four County Regional Planning and Development Organization (NEFCO) and the Akron Metropolitan Area Transportation Study (AMATS), May 2000.

NEFCO Population Projections

	2000 CENSUS	2005 NEFCO	2010 NEFCO	2015 NEFCO	2020 NEFCO	2025 NEFCO	2030 NEFCO
<u>Stark County</u>							
<u>Cities</u>							
Alliance	23,195	24,332	24,523	24,846	25,210	25,547	25,891
Canton	80,806	85,067	84,819	85,051	85,430	85,711	86,017
Louisville	8,904	7,859	7,730	7,648	7,579	7,501	7,425
Massillon	31,325	31,224	31,093	31,140	31,240	31,304	31,378
North Canton	16,369	15,352	15,456	15,645	15,860	16,058	16,259
<u>Villages</u>							
Beach City	1,137	1,045	1,037	1,034	1,033	1,031	1,029
Brewster	2,324	2,328	2,321	2,326	2,335	2,342	2,349
Canal Fulton	5,061	4,153	4,125	4,120	4,123	4,121	4,120
East Canton	1,629	1,787	1,790	1,804	1,820	1,834	1,849
East Sparta	806	770	765	764	764	763	763
Hartville	2,174	2,112	2,125	2,150	2,179	2,205	2,232
Hill & Dales	260	304	305	307	310	312	315
Limaville	193	149	148	147	146	145	144
Magnolia*	617	592	589	589	590	590	291
Meyers Lake	565	544	558	575	592	609	626
Minerva*	2,031	2,200	2,176	2,166	2,159	2,150	2,141
Navarre	1,440	1,620	1,604	1,598	1,594	1,589	1,584
Waynesburg	1,003	1,062	1,054	1,051	1,050	1,048	1,046
Wilmot	335	252	247	244	241	238	235
<u>Townships</u>							
Bethlehem Twp.	4,210	4,182	4,160	4,161	4,170	4,174	4,179
Canton Twp.	13,402	13,084	12,798	12,591	12,407	12,207	12,012
Jackson Twp.	37,484	35,605	36,674	37,924	39,230	40,499	41,777
Lake Twp.	23,718	22,489	23,082	23,791	24,535	25,256	25,982
Lawrence Twp.	8,321	8,488	8,636	8,828	9,035	9,232	9,432
Lexington Twp.	5,390	4,429	4,158	3,917	3,685	3,447	3,210
Marlboro Twp.	4,227	3,689	3,665	3,663	3,667	3,667	3,668
Nimishillen Twp.	9,098	9,316	9,195	9,129	9,079	9,018	8,960
Osnaburg Twp.	4,257	4,335	4,407	4,503	4,605	4,703	4,802
Paris Twp.	3,938	3,708	3,693	3,700	3,712	3,720	3,729
Perry Twp.	29,167	29,517	29,056	28,768	28,532	28,261	27,999
Pike Twp.	3,282	3,210	3,206	3,220	3,240	3,256	3,273
Plain Twp.	35,543	35,133	35,180	35,423	35,726	35,989	36,262
Sandy Twp.	2,059	1,952	1,933	1,925	1,920	1,913	1,907
Sugar Creek Twp.	2,944	2,818	2,782	2,762	2,747	2,729	2,712
Tuscarawas Twp.	6,093	7,377	7,711	8,081	8,462	8,836	9,211
Washington Twp.	4,791	4,514	4,400	4,312	4,233	4,148	4,065
STARK TOTAL	378,098	376,598	377,201	379,903	383,240	386,153	389,174

All projections were adopted by the NEFCO General Policy Board in 2000.

*Stark County portion only.

Prepared by the Northeast Ohio Four County Regional Planning and Development Organization (NEFCO) and the Akron Metropolitan Area Transportation Study (AMATS), May 2000.

NEFCO Population Projections

	2000 CENSUS	2005 NEFCO	2010 NEFCO	2015 NEFCO	2020 NEFCO	2025 NEFCO	2030 NEFCO
<u>Summit County</u>							
<u>Cities</u>							
Akron	217,074	222,130	222,190	222,850	223,450	224,090	224,720
Barberton	27,899	27,100	27,110	27,180	27,400	27,520	27,665
Cuyahoga Falls	49,374	50,320	50,370	50,760	51,170	51,567	51,967
Fairlawn	7,307	6,370	6,420	6,610	7,040	7,310	7,620
Green	22,817	21,830	21,930	23,260	23,920	25,027	26,022
Hudson	22,439	22,540	22,950	24,870	25,510	27,003	28,283
Macedonia	9,224	8,180	8,210	8,340	8,580	8,747	8,932
Munroe Falls	5,314	5,960	6,040	6,200	6,390	6,560	6,735
Norton	11,512	11,910	12,150	12,850	13,160	13,730	14,235
Stow	32,139	31,150	31,600	33,420	34,090	35,527	36,772
Tallmadge	16,180	15,340	15,380	15,510	15,770	15,943	16,138
Twinsburg	17,006	16,090	16,390	16,530	16,890	17,103	17,353
<u>Villages</u>							
Boston Heights	1,186	800	870	910	1,140	1,243	1,378
Clinton	1,337	1,270	1,300	1,370	1,430	1,497	1,562
Lakemore	2,561	2,650	2,680	2,750	2,820	2,890	2,960
Mogadore	2,951	3,100	3,110	3,220	3,310	3,413	3,513
New Franklin (1998)*	2,191	2,376	2,414	2,477	2,528	2,587	2,644
Northfield	3,827	3,790	3,840	4,030	4,180	4,357	4,527
Peninsula	602	530	550	590	610	643	673
Reminderville	2,347	2,360	2,370	2,480	2,500	2,580	2,645
Richfield	3,286	3,340	3,530	3,800	4,140	4,433	4,738
Silver Lake	3,019	3,110	3,160	3,250	3,270	3,337	3,392
<u>Townships</u>							
Bath Twp.	9,635	9,480	9,740	10,250	10,550	10,990	11,395
Boston Twp.	1,062	1,210	1,200	1,220	1,190	1,193	1,188
Copley Twp.	13,641	12,640	13,260	14,070	14,610	15,330	16,005
Coventry Twp.	10,900	11,220	11,270	11,330	11,460	11,543	11,638
Franklin Twp.*	12,339	13,074	13,216	13,563	13,842	14,166	14,479
Northfield Center Twp	4,931	4,360	4,410	4,500	4,680	4,800	4,935
Richfield Twp.	2,138	2,290	2,380	2,580	2,700	2,873	3,033
Sagamore Hills Twp.	9,340	7,870	8,050	8,510	8,730	9,110	9,450
Springfield Twp.	15,168	15,430	15,520	15,950	16,340	16,757	17,167
Twinsburg Twp.	2,153	2,180	2,190	2,370	2,720	2,957	3,222
SUMMIT TOTAL	542,899	542,000	545,800	557,600	566,120	576,826	586,986

All projections were adopted by NEFCO's Board in 2000.

* Populations for the Village of New Franklin were derived by decreasing the population of Franklin Twp

Prepared by the Northeast Ohio Four County Regional Planning and Development Organization (NEFCO) and the Akron Metropolitan Area Transportation Study (AMATS), May 2000.

NEFCO Population Projections

	2000 CENSUS	2005 NEFCO	2010 NEFCO	2015 NEFCO	2020 NEFCO	2025 NEFCO*	2030 NEFCO*
<u>Wayne County</u>							
<u>Cities</u>							
Norton*	11						
Orrville	8,551	8,346	8,586	8,909	9,158	9,456	9,742
Rittman	6,208	6,449	6,617	6,857	7,039	7,260	7,471
Wooster	24,811	25,666	26,749	27,934	28,899	30,011	31,086
<u>Villages</u>							
Apple Creek	999	999	1,042	1,089	1,127	1,171	1,214
Burbank	279	253	248	251	252	254	256
Congress	192	161	163	167	170	174	177
Creston	2,126	1,980	2,033	2,107	2,164	2,232	2,293
Dalton	1,605	1,479	1,519	1,575	1,618	1,670	1,719
Doylestown	2,799	2,962	3,063	3,186	3,284	3,399	3,509
Fredericksburg	487	528	540	558	572	589	604
Marshallville	826	785	800	826	846	870	893
Mount Eaton	246	213	211	214	215	217	219
Shreve	1,582	1,668	1,706	1,765	1,809	1,863	1,915
Smithsville	1,333	1,360	1,377	1,418	1,445	1,481	1,515
West Salem	1,501	1,757	1,828	1,908	1,972	2,047	2,119
<u>Townships</u>							
Baughman Twp.	2,873	2,639	2,706	2,803	2,877	2,966	3,045
Canaan Twp.	2,392	2,036	2,076	2,145	2,195	2,258	2,317
Chester Twp.	2,845	2,675	2,727	2,817	2,883	2,965	3,043
Chippewa Twp.	7,078	6,829	6,982	7,221	7,400	7,619	7,828
Clinton Twp.	1,614	1,635	1,697	1,768	1,826	1,893	1,957
Congress Twp.	2,681	2,727	2,842	2,968	3,071	3,189	3,297
East Union Twp.	5,528	5,167	5,271	5,445	5,574	5,733	5,872
Franklin Twp.	3,485	2,873	2,936	3,035	3,109	3,200	3,279
Green Twp.	3,511	3,970	4,099	4,261	4,388	4,538	4,683
Milton Twp.	3,053	3,289	3,392	3,524	3,626	3,748	3,865
Paint Twp.	2,577	2,736	2,873	3,011	3,126	3,256	3,383
Plain Twp.	2,894	2,774	2,868	2,984	3,075	3,183	3,286
Salt Creek Twp.	3,296	3,113	3,258	3,408	3,533	3,675	3,812
Sugar Creek Twp.	4,897	4,832	4,983	5,176	5,327	5,506	5,678
Wayne Twp.	4,034	3,087	2,927	2,907	2,855	2,824	2,788
Wooster Twp.	5,250	5,812	6,081	6,363	6,595	6,860	7,117
WAYNE TOTAL	111,553	110,800	114,200	118,600	122,030	126,107	129,982

All projections were adopted by NEFCO's Board in 2000.

*See Summit County for Norton's projections