

Appendix 3-32

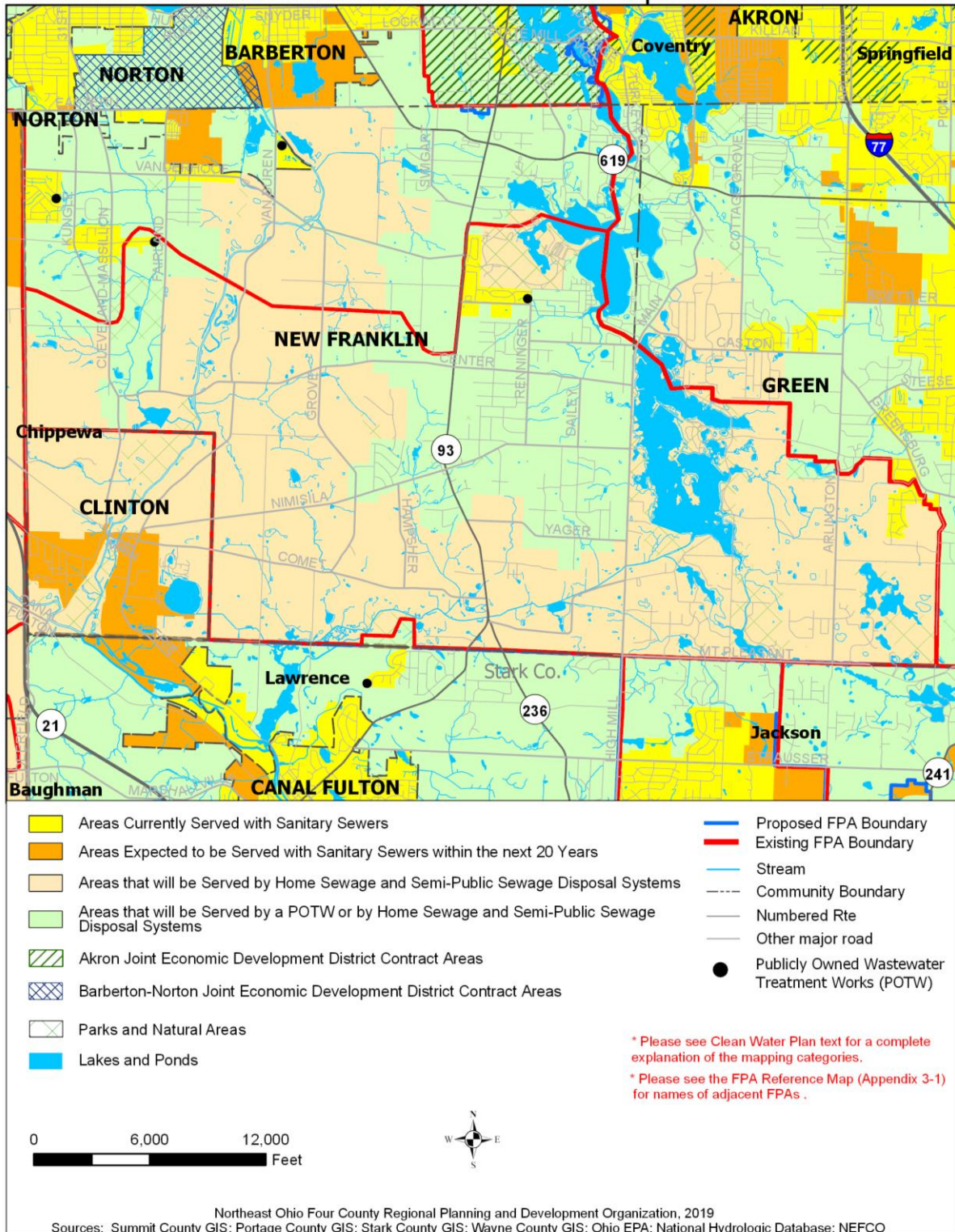
Franklin - Green Facilities Planning Area

Current Plan approved by the NEFCO General Policy Board

July 18, 2012

Franklin-Green Facilities Planning Area

208 Clean Water Plan - 2020 Update



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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 (DMA):

I. Primary DMA

a) Summit County Department of Environmental Sanitary Sewer Services

II. Secondary DMA

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.

Southwest Summit County Wastewater Study. November 1, 2010. Prepared by CTI Engineers, Inc. and Floyd Browne Group.

F. Area Served:

Summit County - City of New Franklin (part) and the City of Green (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~~

Michael Vinay, Director

Summit County Department of Sanitary Sewer Services

1180 South Main Street, Suite 201

Akron OH 44301

Phone: (330) 926-2400

Fax: (330) 926-2471

b. Barry Ganoë
 Zoning Inspector
 City of New Franklin
 5611 Manchester Road
 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 Sanitary Sewer** Services (June 2003¹⁹ and in progress).

*Summit County Department of **Environmental Sanitary Sewer** Services Jurisdiction – City of New Franklin*

Areas Currently Sewered **Served with Sanitary Sewers (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 **Home Sewage and Semi-Public Sewage Disposal Systems ~~On-Site Non-discharging Systems~~ (green):**

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

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Where the public wastewater collection system is currently available all new sites and subdivision developments, whether residential or non-residential, will be required to connect to and/or provide sanitary sewer service to ensure that wastewater will be treated at an existing POTW. If the local planning agency, health department, OEPA, and the local sanitary sewer provider concur that a public wastewater collection system is not available, and will remain unavailable for the foreseeable future, 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 that the local health department or OEPA finds a suitable treatment system design and installation of such treatment systems are acceptable to the local health department and OEPA, that meets state and local requirements and do not result in 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 to and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW if the regulating agencies find it appropriate and public sanitary sewer 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 public sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater 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. These shall be required to connect to the public sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater at an existing POTW.

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 public sanitary sewer provider Sanitary Engineer must also concur that a public wastewater collection system will not be available for the foreseeable future some time. All failing sites will be required to connect to and/or provide sanitary service to ensure wastewater will be treated at an existing POTW if the regulating agencies find it appropriate and sanitary sewer service is located at a reasonable distance from the site of the failed systems land to be developed.

Any existing system, either residential or non-residential, that fails to operate properly shall be required to connect to and/or provide sanitary sewer service to ensure wastewater will be treated at an existing POTW unless sewers are not available and accessible. If sewers are not available and accessible, and a replacement on-site system cannot be constructed, a discharge permit must be obtained from OEPA and a design and installation permit must also be obtained for the new system from either the OEPA in accordance with OAC 3745-42 or the local health department in accordance with OAC 3701-29.

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, except as noted in the preceding paragraph.

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 Home Sewage and Semi-Public Sewage Disposal Systems

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 Sanitary Sewer Services Jurisdiction – City of Green

Areas Currently Sewered Served with Sanitary Sewers (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 to 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 to and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW.

Areas Programmed for Sewers Expected to be Served with Sanitary 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

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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 to 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 Home Sewage and Semi-Public Sewage Disposal Systems On-Site Non-discharging Systems (green):

This area contains large undeveloped tracts of land and vacant lots subject to improvement. Where the public wastewater collection system is currently available, all new subdivision development, whether residential or non-residential will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. If the local planning agency, health department, OEPA, and the local sanitary sewer provider concur that a public wastewater collection system is not available, and will remain unavailable for the foreseeable future, 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 that the design and installation of such treatment systems are acceptable to the local health department and OEPA, meet state and local requirements, and do not result in off-lot discharge of effluent. All sites will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW if the regulating agencies find it appropriate and public sanitary sewer 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 public sanitary sewer, as it becomes available, for the removal and treatment of sanitary wastewater 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. These shall be required to connect to the public sanitary sewer, as it becomes available, for

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the removal and treatment of sanitary wastewater at an existing POTW.

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 public sanitary sewer provider must also concur that a public wastewater collection system will not be available for the foreseeable future. All failing sites will be required to connect to and/or provide sanitary service to ensure wastewater will be treated at an existing POTW if the regulating agencies find it appropriate and sanitary sewer service is located at a reasonable distance from the site of the failed system.

Any existing system, either residential or non-residential, that fails to operate properly shall be required to connect to and/or provide sanitary sewer service to ensure wastewater will be treated at an existing POTW unless sewers are not available and accessible. If sewers are not available and accessible, and a replacement on-site system cannot be constructed, a discharge permit must be obtained from OEPA and a design and installation permit must also be obtained for the new system from either the OEPA in accordance with OAC 3745-42 or the local health department in accordance with OAC 3701-29.

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, except as noted in the preceding paragraph.

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 Home Sewage and Semi-Public Sewage Disposal Systems

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-

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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.