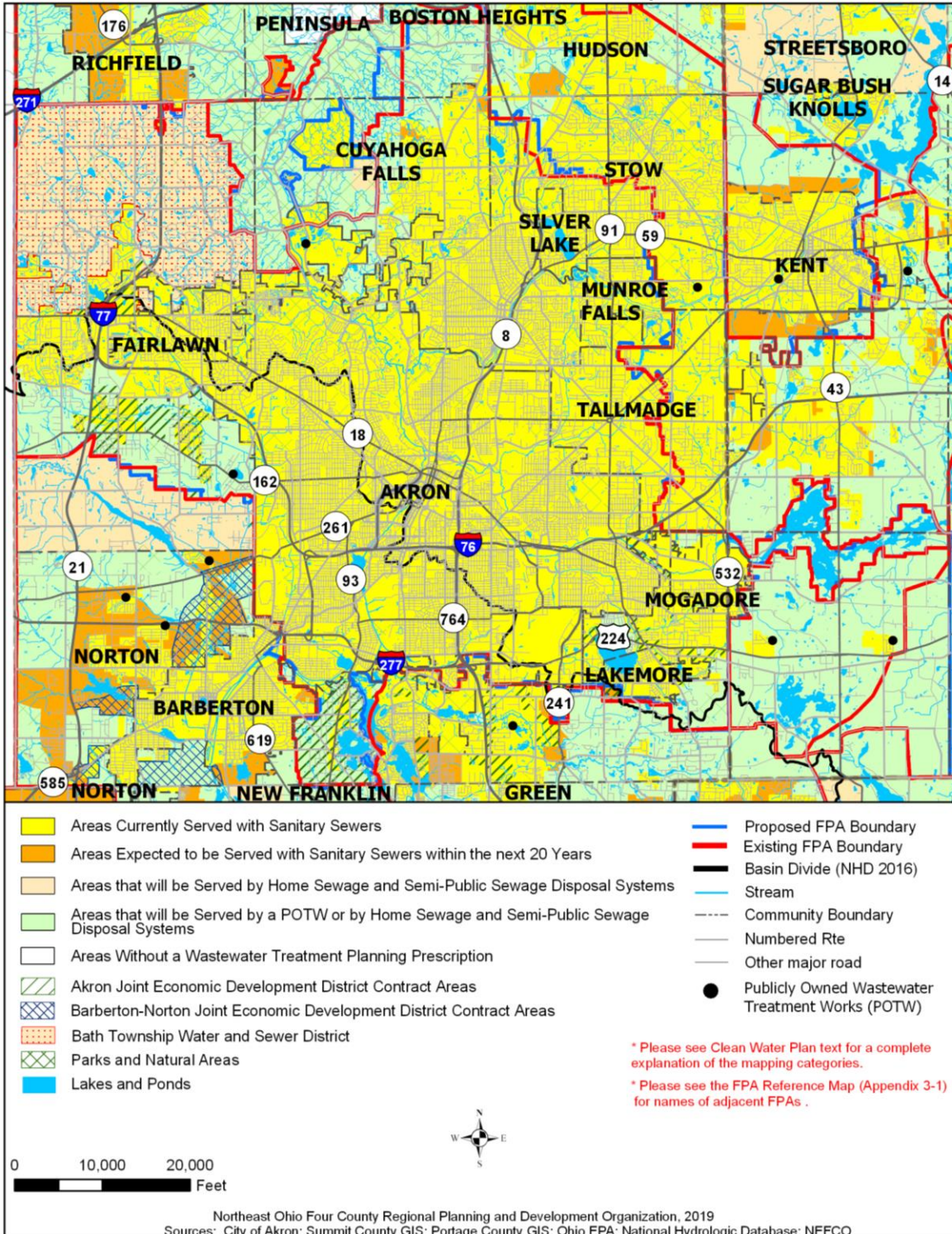


Appendix 3-27

Akron
Facilities Planning Area

Akron Facilities Planning Area

208 Clean Water Plan - 2020 Update



**Current Plan approved by the NEFCO General Policy Board
1/16/2019**

Akron Facilities Planning Area

I. Existing Situation

A. County/Basin:

Summit and Portage (part)

B. Facilities Planning Area:

Akron

C. Designated Management Agencies (DMA):

I. Primary DMAs

a) City of Akron

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

II. Secondary DMAs

a) City of Akron

b) City of Barberton

c) City of Cuyahoga Falls

d) City of Fairlawn

e) City of Munroe Falls

f) City of Stow

g) City of Tallmadge

h) Summit County Department of ~~Environmental~~ Sanitary Sewer Services

i) Portage County Water Resources (Portage County Regional Sewer District)

j) Bath Township Water and Sewer District

k) Village of Lakemore

l) Village of Mogadore

m) Village of Silver Lake

D. Publicly-Owned Treatment Works:

a) Akron Water Pollution Control Station, 110.0000 MGD (map Reference No. 1)

E. Facilities Plan:

The Akron Facilities Plan, January, 1980, was prepared by Burgess & Niple, Ltd., as lead consultant, and by the following subconsultants: John David Jones & Associates, Inc. (Cuyahoga Falls portion); Karl R. Rohrer & Associates, Inc. (Lakemore); Emmet J. McDonald & Associates, Inc. and John David Jones & Associates, Inc., a joint venture (Tallmadge); Finkbeiner, Pettis, Strout, Lmt. (Silver Lake); Dalton, Dalton, Newport, Inc. (southern Summit County); Karl R. Rohrer & Associates, Inc. (southern Summit County); Medina County Sanitary Engineer (Medina County); and Portage County Sanitary Engineer (Portage County). The Facilities Plan includes the approved Infiltration/Inflow Analysis. Poggemeyer Design Group, Inc., Water and Sewer Planning and Engineering Report Bath Township, Summit County, Ohio, May 1999.

F. Area Served:

All or portions of the following political entities:
the Cities of Akron, Barberton (part), Cuyahoga Falls, Fairlawn, Hudson, Munroe Falls (part), Stow (part), and Tallmadge (part); the Villages of Lakemore, Mogadore and Silver Lake; the Summit County townships of Bath (part), Boston (part), Copley (part), Coventry (part), and Springfield (part); and the Portage County townships of Brimfield (part) and Suffield (part).

G. Receiving Stream:

- a) Cuyahoga River
- b) Potter Creek
- c) Wingfoot Lake Outlet (Fox Ditch)

H. Contact Person/Address/Phone/Fax:

- a) Mr. James Andrew Hewitt, Acting Public Utilities Bureau Manager
City of Akron Public Utilities Bureau
146 South High Street Room 900
Akron, Ohio 44308
Phone: (330) 375-2627
Fax: (330) 375-2072
- b) Mr. Michael Weant, Director
~~Summit County Department of Environmental Services~~
~~—2525 State Road~~
~~—Cuyahoga Falls, Ohio 44223~~
~~—Summit County Department of Sanitary Sewer Services~~
1180 South Main Street, Suite 201
Akron OH 44301
Phone: (330) 926-2405
Fax: (330) 926-2471
- c) ~~Mr. Jeff Lonzrick, Interim Director/Sanitary Engineer~~
~~Portage County Water Resources (Portage County Regional Sewer District)~~
~~Portage County Administration Building~~
~~449 South Meridian Street~~
~~P.O. Box 1217~~
~~Ravenna, Ohio 44266-0812~~
Portage County Water Resources Director/Sanitary Engineer
Portage County Water Resources Department
8116 Infirmary Road
Ravenna, Ohio 44266
Phone: (330) 297-3670
Fax: (330) 297-3680
- d) Mr. Stephen Schreiber, Chairman
Ms. Martha Ferch, Recording Secretary
Bath Township Water & Sewer District

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3864 West Bath Road
P.O. Box 1188
Bath, Ohio 44210-1188
Phone: (330) 666-4007
Fax: (330) 666-0305

I. Population Served:

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

Akron	<u>1990</u>	<u>1995</u>	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
201	411,000	423,600	430,900	----	----	----	----	----
Approved 208	337,390	330,826	326,307	326,463	----	----	----	----

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

Source information provided by the City of Akron, April 2002, Summit County Department of ~~Environmental~~ **Sanitary Sewer** Services, May 1, 2000, Bath Township Water & Sewer District, October 1999 and Portage County Water Resources Department (Portage County Regional Sewer District), June 30, 2000.

Akron Jurisdictions (City of Akron, City of Barberton (part), City of Cuyahoga Falls (part), City of Fairlawn, City of Tallmadge (part), Village of Lakemore (part), Village of Silver Lake, Copley Township (part), Coventry Township (part), Springfield Township (part))

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. 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 and/or provide sanitary service to ensure that wastewater will be treated and discharged at an existing publicly-owned treatment facility (POTW). Existing HSTSs which fail to operate properly will be required to connect and/or provide sanitary sewer service to ensure that wastewater will be treated at an existing POTW. Failing HSTSs serving single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Exceptions may be (granted/requested) based on sanitary sewer availability, soil conditions, extent of failure, and cost of repair.

Updates revisions and exceptions shall be approved by NEFCO.

*Summit County Department of ~~Environmental~~ **Sanitary Sewer** Services-Jurisdiction (Copley Township (part), Springfield Township (part), Coventry Township (part), City of Cuyahoga*

Falls (part), City of Stow (part), City of Munroe Falls (part), City of Tallmadge (part), Village of Lakemore (part)

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. 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 and/or provide sanitary sewer service to ensure that wastewater will be treated and discharged at an existing publicly-owned treatment facility (POTW). Existing non-single private treatment systems which fail to operate properly will be required to connect and/or provide sanitary sewer service to ensure that wastewater will be treated at an existing POTW. Failing home sewage treatment systems (HSTSs) serving single-family homes shall be abandoned and the home connected to sanitary sewers in accordance with Ohio Administrative Code (OAC) 3701-29-02(M) unless sanitary sewer service is not accessible, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29.

~~Areas Programmed for Sewers Within the Next 20 Years~~ Areas Expected to be Served with Sanitary Sewers within the next 20 Years (orange):

City of Cuyahoga Falls - This area located within the City of Cuyahoga Falls contains large undeveloped tracts of land and vacant lots subject to improvement. All new commercial, industrial, institutional and residential developments in this area of Cuyahoga Falls 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, full observing all regulations of 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 an existing publicly-owned wastewater treatment facility. Existing non-single-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. Failing home sewage treatment systems (HSTSs) serving single-family homes shall be abandoned and the home connected to sanitary sewers in accordance with Ohio Administrative Code (OAC) 3701-29-02(M) unless sanitary sewer service is not accessible, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29.

Areas that will be Served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems On-Site Non-discharging Systems (green):

Boston Township - Sanitary sewers are not readily available to Boston Township within the Akron Facilities Planning area unless agreements for such can be secured from either Cuyahoga Falls or the City of Hudson. Due to Akron-Cleveland Road being a main thoroughfare between Cuyahoga Falls and the Ohio Turnpike (I-80) and the northern parts of Summit County, new development with sanitary sewers is likely to occur due to the proximity of the CVNP and the Cuyahoga River. 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 connect to and/or provide sanitary sewer service

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to ensure that wastewater will be treated and discharged at an existing POTW. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residential parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable or that other mutually agreeable methods of wastewater treatment can be obtained without causing off-lot discharge of effluent. Non-single-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 and discharged at an existing POTW. Exceptions may be (granted/requested) based on sanitary sewer availability, soil conditions, extent of failure, and cost of repair. Single-family residences with failing HSTSs may use HSTSs for wastewater treatment provided there is no conflict with OAC 3701-29-02.

City of Cuyahoga Falls - 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 connect to and/or provide sanitary sewer service to ensure that wastewater will be treated and discharged at an existing POTW. Existing single-family residences with failing HSTSs, or new single-family residential house construction in remote areas may use HSTSs for wastewater treatment provided there is no conflict with OAC 3701-29-02. Non-single-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 and discharged at an existing POTW if available. Exceptions may be (granted/requested) based on sanitary sewer availability, soil conditions, extent of failure, and cost of repair.

Coventry Township - 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 connect to and/or provide sanitary sewer service to ensure that wastewater will be treated and discharged at an existing POTW if available. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residential parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable or that other mutually agreeable methods of wastewater treatment can be obtained without causing off-lot discharge of effluent. Non-single-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 and discharged at an existing POTW if available. Existing single-family residences with failing HSTSs, or new residential house construction in remote areas may use HSTSs for wastewater treatment provided there is no conflict with OAC 3701-29-02.

Springfield Township - 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 connect to and/or provide sanitary sewer service to ensure that wastewater will be treated and discharged at an existing POTW if available. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residential parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable or that other mutually agreeable methods of wastewater treatment can be obtained without causing off-lot discharge of effluent. Non-single-family private treatment systems which fail to operate properly will be required to connect and/or provide sanitary sewer service to

ensure that wastewater will be treated and discharged at an existing POTW if available. Existing single-family residences with failing HSTSSs, or new residential house construction in remote areas may use HSTSSs for wastewater treatment provided there is no conflict with OAC 3701-29-02.

Yellow Creek Service Area

Bath Township (All yellow within Akron, Bath W&S, and DOES Service Area) - 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 and discharged at an existing publicly-owned treatment facility (POTW) if available. Existing non-single 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 if available. Failing home sewage treatment systems (HSTSSs) serving single-family homes shall be abandoned and the home connected to sanitary sewers in accordance with Ohio Administrative Code (OAC) 3701-29-02(M) unless sanitary sewer service is not accessible, in which case the HSTSS must be repaired or replaced to meet the standards found within OAC 3701-29.

Copley Township - 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 connect to and/or provide sanitary sewer service to ensure that wastewater will be treated and discharged at an existing POTW if available. Vacant lots within existing HSTSS-served subdivisions and remote metes-and-bounds residential parcels may be so improved with new HSTSSs provided the local health department finds that soils are suitable or that other mutually agreeable methods of wastewater treatment can be obtained without causing off-lot discharge of effluent. Non-single-family private treatment systems which fail operate properly will be required to connect to and/or provide sanitary sewer service to ensure that wastewater will be treated and discharged at an existing POTW if available. Existing single-family residences with failing HSTSSs, or new residential house construction in remote areas may use HSTSSs for wastewater treatment provided there is no conflict with OAC 3701-29-02.

Joint Economic Development District Contract Areas (green hatch)

Copley Township - City of Akron Joint Economic Development District Contract Area

A contract exists between the City of Akron and the Copley Township Trustees, a Joint Economic Development District (JEDD) that provides 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 “prescriptions” for this JEDD Service Area are as follows:

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 from the existing properties to be treated at an existing POTW.

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 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 from the proposed development to the sanitary sewer system that is served by an existing POTW.

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 HSTSs are recommended within the sanitary sewer service area for new commercial, industrial, institutional and residential developments. However, HSTSs shall be considered appropriate for new single-family houses constructed within existing subdivisions located within the sanitary sewer service area and served by such systems 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 any 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 local zoning, the local planning agency or the Summit County Health Department, as each area of government jurisdiction requires.

The prescriptions for this JEDD Service Area will not apply to the property located at 3895 Copley Road (Parcel No. 1503870), which is located in the JEDD Area. Solely for the purposes of this Akron Facilities Planning Area, the prescriptions applicable to “Areas That Will be Served by a POTW or by On-Site Non-discharging Systems (green): Copley Township” will apply to the property located at 3895 Copley Road.

Coventry Township - City of Akron Joint Economic Development District Contract Area

A contract exists between the City of Akron and the Coventry Township Trustees, a Joint Economic Development District (JEDD) that provides 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 Coventry Township Trustees. The “prescriptions” for this JEDD Service Area are as follows:

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 from the existing properties to be treated at an existing POTW.

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 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 from the proposed development of facility to the sanitary sewer system that is served by an existing POTW.

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 HSTSs are recommended within the sanitary sewer service area for new commercial, industrial, institutional and residential developments. However, HSTSs shall be considered appropriate for new single-family houses constructed within existing subdivisions located within the sanitary sewer service area and served by such systems 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 any 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 local zoning, the local planning agency or the Summit County Health Department, as each area of government jurisdiction requires.

Springfield Township - City of Akron Joint Economic Development District Contract Area

A contract exists between the City of Akron and the Springfield Township Trustees, a Joint Economic Development District (JEDD) that provides 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. The “prescriptions” for this JEDD Service Area are as follows:

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 from the existing properties to be treated and discharged at an existing POTW.

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 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 from the proposed development of facility to the sanitary sewer system that is served by an existing POTW.

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 HSTSs are recommended within the sanitary sewer service area for new commercial, industrial, institutional and residential developments. However, HSTSs shall be considered appropriate for new single-family houses constructed within existing subdivisions located within the sanitary sewer service area and served by such systems 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 any 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 local zoning, the local planning agency or the Summit County Health Department, as each area of government jurisdiction requires.

Akron-Fairlawn-Bath Township - Joint Economic Development District Contract Area

A contract exists between the City of Akron and the Bath Township Trustees, a Joint Economic Development District (JEDD) that provides 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 Bath Township Trustees. The “prescriptions” for this JEDD Service Area are as follows:

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 from the existing properties to be treated and discharged at an existing POTW.

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 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 from the proposed development of facility to the sanitary sewer system that is served by an existing POTW.

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 HSTSs are recommended within the sanitary sewer service area for new commercial, industrial, institutional and residential developments. However, HSTSs shall be considered appropriate for new single-family houses constructed within existing subdivisions located within the sanitary sewer service area and served by such systems 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 any 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 local zoning, the local planning agency or the Summit County Health Department, as each area of government jurisdiction requires.

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Bath Township Water & Sewer District Jurisdiction

Areas That Will be Served by On-Site Non-discharging Systems (cream red-ticked):

- a) Developed Areas- Developed areas in the unincorporated and/or non-JEDD areas have been or will be sewered by on-lot HSTSs unless sanitary lines were provided per the JEDD contract;
- b) Undeveloped Areas, Residential - Proposed development requirements mandate that all new HSTSs remain on-lot. If any new development or subdivision is proposed with a system other than on-lot treatment as required, the proposed system must receive written approval from the Ohio EPA and the consulting engineers employed by the Bath Township Water and Sewer District and have been proven as safe, reliable, and effective in Northeast Ohio. The Bath Township Water and Sewer District may require performance bonds and written guarantees from the designers, the developer, and the individual owners and any homeowners' association involved in the subdivision;
- c) Proposed Commercial Development - Commercial development (North of the northern limits of the Cleveland-Massillon Road Corridor) shall retain all wastewater on lot;
- d) Aeration and subsurface sand filter treatment systems are hereby prohibited from use in the Bath Township Water and Sewer District for new homes or replacement of on-lot systems;
- e) the Bath Township Water and Sewer District will not permit new package plant discharge into the Yellow Creek Watershed;
- f) acceptable methods of sewage treatment for small facilities, where hardship is evidenced, may seek approval of the Bath Water and Sewer District for an alternative nondischarging system.

Portage County Water Resources Department (Portage County Regional Sewer District) Jurisdiction:

Areas Currently Sewered Served with Sanitary Sewers (yellow):

Suffield Township - These areas are currently served with sanitary sewers and a POTW 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 sewer service to ensure that wastewater will be treated at an existing 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.

Areas that will be Served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems ~~On-Site Non-discharging Systems~~ (green):

Suffield and Brimfield 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.