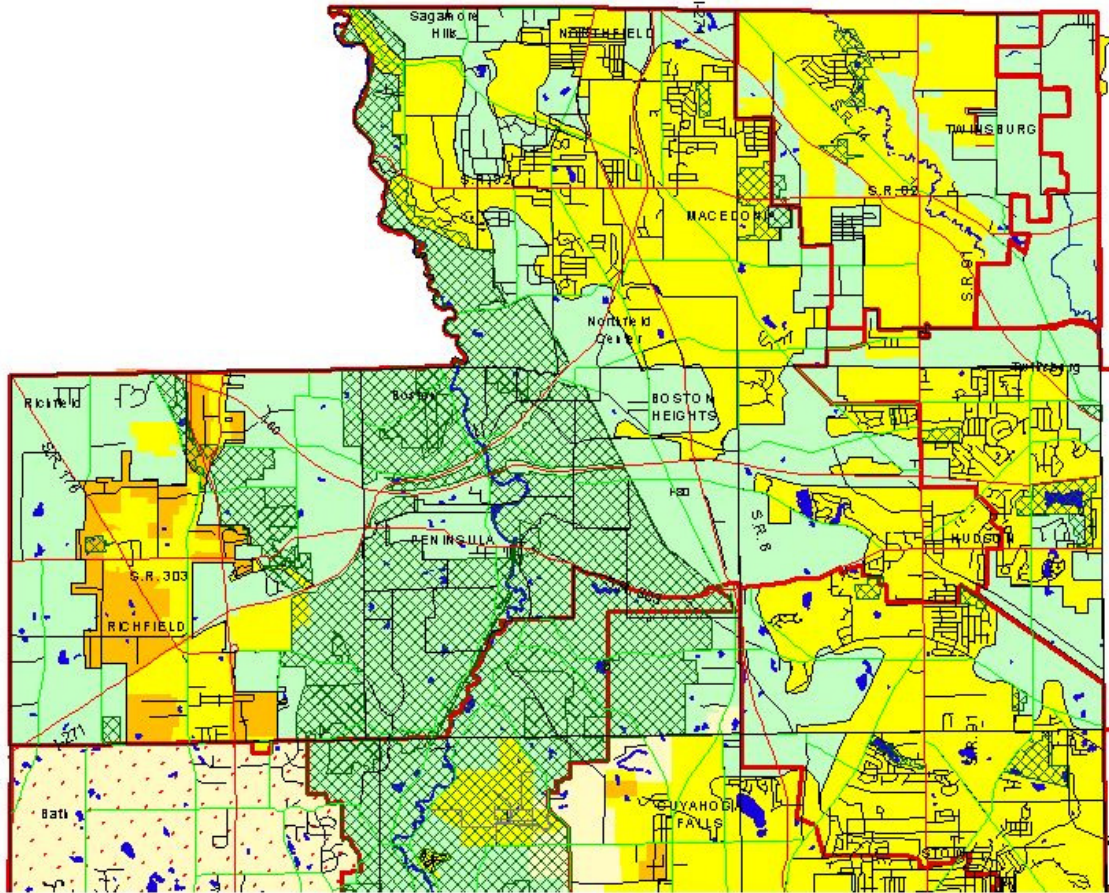


Appendix 3-29

Cuyahoga Valley Interceptor Facilities Planning Area (Summit County)

Figure 3-6
Cuyahoga Valley Interceptor Facilities Planning Area
Clean Water Plan Update for the Lake Erie Basin



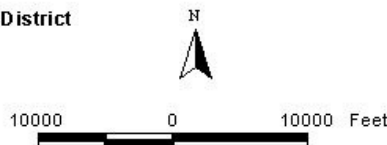
Northeast Ohio Regional Sewer District - Cuyahoga Valley Interceptor Facilities Planning Area

- Areas Currently Sewered
- Areas Programmed for Sewers Within the Next 20 Years
- Areas That Will be Served by On-Site Nondischarging Systems
- Areas That Will be Served by a POTW or by On-Site Nondischarging Systems
- Joint Economic Development District Service Areas
- Bath Township Water and Sewer District
- Lakes and Ponds
- Parks

- Cuyahoga Valley Interceptor FPA Boundaries
- Political Boundary
- County Roads, State Routes and Interstate Hwys
- Streams
- Lake Erie/Ohio River Basin Divide
- Publicly-Owned Wastewater Treatment Plant

* Please see text for a complete explanation of the mapping categories

* Please see the FPA Reference Map (Fig. 3-1a) for names of adjacent FPAs.



Northeast Ohio Four County Regional Planning and Development Organization, July 15, 2003
 Source: Map of Ohio Department of Natural Resources; Division of Real Estate and Land Management; Summit County D.O.E.S.

Cuyahoga Valley Interceptor Facilities Planning Area

I. Existing Situation

A. County/Basin:

Cuyahoga and Summit/Lake Erie

B. Facilities Planning Area:

Cuyahoga Valley Interceptor - 1

C. Designated Management Agency:

I. Primary DMA

- a) Northeast Ohio Regional Sewer District (NEORS)

II. Secondary DMA

- a) Summit County Department of Environmental Services
- b) Northfield Village
- c) Richfield Village
- d) Hudson (Old Village)
- e) Twinsburg Water and Sewer District (TWSD)

D. Publicly-Owned Treatment Works:

Southerly WWTP, 175.0000 MGD

E. Facilities Plan:

1. *Environmental Assessment - Cuyahoga Valley Interceptor* [Vol. 1] (Havens & Emerson, 1975) which considered ultimate flows from future phased extensions to the original CVI Phase I service area (CVI Phases II and III).
2. *Cuyahoga Valley Interceptor Environmental Impact Statement* (USEPA, 1976) describing the original CVI Phase I service area with recommendations for potentially providing phased interceptor and service extensions beyond the 20-year planning period (CVI Phases II and III).
3. *Operation and Maintenance Manual for the Cuyahoga Valley Interceptor Phase I*, (NEORS, 1979).
4. *Cuyahoga Valley Interceptor Phase II Facilities Plan* (Consoer-Townsend, 1980).
5. *Cuyahoga Valley Interceptor Operational Evaluation Project (CVI-OEP) Final Report* (Brown and Caldwell, 2007)

F. Area Served:

Summit County Portion

City of Macedonia, City of Hudson (part), Village of Northfield, Village of Boston Heights, Village of Peninsula, Village of Richfield, Sagamore Hills Township, Northfield Township, Boston Township (part) and Richfield Township (part)

G. Receiving Stream:

Cuyahoga River

H. Contact Person/Address/Phone/Fax:

Mr. Frank Greenland, Planning Manager

NEORS
3826 Euclid Avenue
Cleveland, Ohio 44115-2504
Phone: (216) 881-6600
Fax: (216) 881-2738

Mr. ~~James Demboski~~, P.E., Director
Dave Marquard
Summit County
Department of Environmental Services
2525 State Road
Cuyahoga Falls, Ohio 44223
Phone: (330) 926-2405
Fax: (330) 926-2471

Mr. Richard Wasosky, Village Engineer
10455 Northfield Road

Northfield, Ohio 44067
Phone: (330) 467-7139
Fax: (330) 468 - 2518

Mr. ~~John Horner~~, **Kevin Powell**
Asst. Public Works Supt. ~~Water Resources~~
~~Department~~
~~27 East Main Street~~ **1769 Georgetown Road**
Hudson, Ohio 44236
Phone: (330) 342-17468
Fax: (330) 650-2534

Ms. Melanie Tibbs
Service Director
Village of Richfield
Village Hall
4410 West Streetsboro Road
Richfield, Ohio 44286
Phone: (330) 659-9201
Fax: (330) 659-6935

I. Population Served:

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

CVI - Summit	<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	-----not prepared-----							
Approved 208	29,005	29,287	29,808	30,387	-----	-----	-----	-----

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, May 1, 2000, Richfield Village, July 13, 1999, Northfield Village, June 27, 2000, Hudson (Old Village), August 14, 2000.

Summit County Department of Environmental Services Jurisdiction

Areas Currently Sewered (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 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). 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. Failing home sewage treatment systems (HSTSs) serving single-family homes shall be abandoned and the home connected to sanitary sewer service in accordance with Ohio Administrative Code (OAC) 3701-29-02(M) unless 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 (orange):

City of Hudson - This area located within the City of Hudson contains large undeveloped tracts of land and vacant lots subject to improvement. All new commercial, industrial, institutional and residential developments in this area of Hudson 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 sanitary sewers from the proposed development to the existing sanitary 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 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 sewer service in accordance with Ohio Administrative Code (OAC) 3701-29-02(M) unless 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 On-Site Non-discharging Systems (green):

Sagamore Hills and Northfield Center Township - These are rural areas with undeveloped tracts of land and vacant lots subject to improvement and many existing subdivisions developed in the past using HSDSs for wastewater treatment. 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 and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Vacant lots within existing HSDS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSDSs provided the local health department finds that soils are suitable to assure there will be no off-lot discharge of effluent. 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

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wastewater will be treated at an existing POTW. Exceptions may be (granted/requested) based on sewer availability, soil conditions, extent of failure, and cost of repair. Failing home sewage treatment systems (HSTSs) serving single-family homes shall be abandoned and the home connected to sanitary sewer service in accordance with Ohio Administrative Code (OAC) 3701-29-02(M) unless sewer service is not accessible, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29.

Cities of Macedonia and Hudson and Twinsburg Township - All new subdivision development, whether residential or non-residential, and all other residential and new non-residential, and new multi-family residential development, will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Existing single-family residences with failing HSDSs, or new residential house construction in remote areas may use HSDSs for wastewater treatment provided there is no conflict with OAC 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.

Village of Boston Heights - This is a rural village with great potential for both residential and non-residential development due to the easy access to the intersection of State Route 8 with Interstate Route 80 coupled with being adjacent to the Cuyahoga Valley National Park (CVNP). Sanitary sewers are available north of the Interstate under agreement with the Northeast Ohio Regional Sewer District (NEORS). North of the Interstate, 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 service to ensure that wastewater will be treated at an existing POTW. Existing single-family residences with failing HSDSs, or new single-family residential house construction in remote areas may use HSDSs for wastewater treatment provided there is no conflict with OAC 3701-29-02. 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. In the portion of Boston Heights south of Interstate 80 but within the CVI, FPA sewer service is not currently available at this time. Notwithstanding this, and being adjacent to the CVNP, it is recommended that no new subdivision-type or multi-family development be permitted in this area until sanitary sewers become available. Single lots and metes-and-bounds parcels for new and existing (failing HSDS) single-family residential house construction may utilize HSDSs provided local health department approval is obtained. New non-residential (semi-public) single-building development and properties with failing private treatment systems shall meet the Ohio EPA rules and regulations.

Richfield Township - This area is a rural setting, which is split vertically by a developing Richfield Village in the center. The Village is served by its own sanitary sewer system that has been designed to serve only limited areas of the township and with the condition of annexation first. For locations in the Township where sanitary sewer service may be

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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 connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Where sanitary sewer service cannot be made available, new single-family subdivisions and non-residential single-building development may utilize HSDSs provided the local health department finds that soils are suitable to assure there will be no off-lot discharge of effluent. Properties with existing but failing private treatment systems shall meet the Ohio EPA rules and regulations. Single lots and metes-and-bounds parcels for new and existing (failing HSDS) single-family residential house construction may utilize HSDSs provided local health department approval is obtained.

Richfield Village Jurisdiction

Areas Currently Sewered (yellow):

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. However, there may be 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. 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 Programmed for Sewers Within the Next 20 Years (orange):

These areas are projected to receive sewers but are not yet sewered. 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 the existing on-site treatment systems will be abandoned.

Limited Areas In Richfield Township Outside Richfield Village Limits But Included In The Village Sewer Service Area

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

This area is a rural setting, which is split by a developing Richfield Village in the center. The Village is served by its own sanitary sewer system that has been designed to serve limited areas in the Township. The wastewater generated from these limited township areas has been accounted for within the Village system. Areas complying with Village requirements will be required to connect to the sanitary sewer system including the following options:

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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 the existing on-site treatment systems will be abandoned.

Northfield Village Jurisdiction

Areas Currently Sewered (yellow):

These areas are currently sewered with sanitary sewers that are constructed and are currently in operation. However, there are a few undeveloped tracts of land and may 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 at an existing publicly-owned treatment works. Presently, there are no known private treatment systems within the area.

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

This area is within the sanitary service area but is not yet sewered. Projected wastewater flow from this area is accounted for within the system. Future industrial development within this area will drive the construction of sewers in this area. Existing on-site systems may continue to be used but must be abandoned if they fail and/or when sewers become available.

Hudson (Old Village) Jurisdiction

Areas Currently Sewered (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 facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing publicly-owned treatment works (POTW). 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. Failing HSDSs serving single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02.