MEMORANDUM

TO: General Policy Board Members

FROM: Laura DeYoung Minnig, Environmental Planner

DATE: February 13, 2019

SUBJECT: Consideration of an Amendment to the Clean Water Plan for the Canton-Nimishillen Facilities Planning Area to update the wastewater prescription for the Moreland Allotment and the 17th Street Areas in Canton Township

What’s being requested:
On behalf of the City of Canton, the Stark County Metropolitan Sewer District (SCMSD) is proposing a 201/208 Facilities Planning Area (FPA) amendment to change the wastewater prescription for the H M Franks Moreland Allotment area and the area of 17th Street in Canton Township to be served by sanitary sewer.

Background:
The H M Franks Moreland Allotment is a post 1950’s community with failing septic systems, which, due to the close proximity of the homes, cannot be repaired easily with onsite systems. The homes are mainly single story, have potable water wells and septic systems. The age of the allotment is such that the existing septic systems are failing at a high rate. The potable water wells are relatively shallow increasing the risk of septic contamination. This is the reasoning behind the Stark County Health Department’s high rating for the installation of a wastewater collection system. The Ohio EPA has also examined the allotment and has confirmed the existence of unsanitary conditions leading to the imposition of Findings and Orders. The Orders state that within 24 months the area must have installed a complete sewerage system.

The collection system will require a sanitary lift station as the closest gravity system serves the unincorporated community of Waco and is well upgrade of the proposed Moreland Allotment gravity system. The proposed gravity sanitary sewer collection system includes a section of 17th Street, which abuts the existing sanitary manhole of which the Moreland system will terminate.

The proposed Moreland Allotment sanitary sewer project will serve approximately 170 residential homes and about 6 commercial enterprises. This development is older but has not been built out so some potential exists for a small amount of additional flow. In addition, the sanitary lift station must be sized for the potential sewer shed drainage incorporating future development of the area.

All properties fronting the proposed sanitary sewer will be ordered to connect. In addition, new homes or businesses within the service area will also be required to connect to the sanitary sewers. There will also be an option concerning the properties near the alignment of the sanitary force main in that if there is no possibility of repair or
replacement of an HSTS serving a home fronting the sanitary lift station force main, the Health Department, with assistance from the SCMSD, may have the property tie into the force main. Finally, this project eliminates one of the high priority failing septic system areas reported by the Health Department in NEFCO’s Stark County Failing Home Sewage Treatment Systems report.

**Facilities Planning Area (FPA) boundary:**
There are no proposed changes to the Canton-Nimishillen FPA boundary.

**Wastewater prescription change:**
The prescription for the Moreland Allotment and the area of 17th Street in Canton Township in the Canton-Nimishillen FPA will be changed from “Areas that will be Served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems” (green), to “Areas Expected to be Served with Sanitary Sewers within the next 20 Years” (orange). (See attached maps) The “Wastewater Treatment Planning Prescription and Wastewater Planning Options” Clean Water Plan pages 3-19-7 to 3-19-10 will be changed to include the addition of a prescription for “Areas Expected to be Served with Sanitary Sewers within the next 20 Years” (orange) under the Stark County Metropolitan Sewer District and Village of East Canton Jurisdiction as shown below in bold and italics:

**Stark County Metropolitan Sewer District and Village of East Canton Jurisdiction**

**Areas programmed for sewers within the next 20 years (orange):** These areas contain large undeveloped tracts of land and vacant lots subject to improvement. New commercial, industrial, institutional, and residential subdivisions in these areas shall be required to connect to existing sanitary sewers for removal and conveyance of sanitary wastewater to a POTW. Areas programmed for sewers within the next 20 years shall be required to extend new sanitary sewer service from the proposed area to the existing sanitary sewer system that is served by a POTW. Individual residentially zoned parcels may be improved with new HSTSs provided the Stark County Board of Health finds that conditions are suitable and the sanitary collection system is not available or is inaccessible. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by or accessible to sanitary sewers must be connected even if that requires a pump system to ensure that wastewater will be transported and treated at a 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,” may be approved for new residential, commercial or industrial subdivisions upon the approval of the Stark County Sanitary Engineer, the Board of Health and the Ohio EPA.

**Local governments/agencies affected:**
City of Canton
Canton Township
Stark County Regional Planning Commission
Stark County Health Department
**Public notification efforts:**
A Legal Notice was placed in The Repository on January 9, 2019 (copy attached). The public comment period ended on January 24, 2019. No public comments were received.

On January 7, 2019, letters were sent to affected local governments or agencies: Canton Township, City of Canton, Stark County Regional Planning Commission, and the Stark County Health Department. Responses from all were received before the comment period ends on February 21, 2019. (See attached.)

**Specific proposed changes to the current FPA Appendix in the Clean Water Plan:**
The proposed changes to existing text in the Canton-Nimishillen FPA Appendix have been highlighted. (See attached.) Note: these pages reflect only the change due to this amendment. Other changes from the Plan update will be made at a later date.

**Staff recommendation:**
NEFCO’s staff recommends approval of the proposed amendment. There was no opposing public comment. There were no opposing comments from affected local governments or agencies.

**Environmental Resources Technical Advisory Committee (ERTAC) Recommendation to the NEFCO General Policy Board:**
The ERTAC recommended approval at its February 6, 2019 meeting.

**NEFCO General Policy Board Action:**
Approval of Resolution No. FY2019-017.
RESOLUTION OF THE GENERAL POLICY BOARD OF THE NORTHEAST OHIO
FOUR COUNTY REGIONAL PLANNING AND DEVELOPMENT ORGANIZATION
(NEFCO) APPROVING AN AMENDMENT TO THE CLEAN WATER PLAN FOR
STARK COUNTY METROPOLITAN SEWER DISTRICT (SCMSD) TO UPDATE THE
CANTON-NIMISHILLEN FACILITIES PLANNING AREA WASTEWATER
PRESCRIPTION FOR THE MORELAND ALLOTMENT AND THE 17TH STREET
AREAS IN CANTON TOWNSHIP

WHEREAS, NEFCO is the designated water quality management planning agency for
Portage, Stark, Summit and Wayne Counties; and

WHEREAS, as part of that designation it is NEFCO’s responsibility to coordinate the
use and update of its Clean Water Plan, also known as the 208 Plan; and

WHEREAS, NEFCO has been requested by the Stark County Metropolitan Sewer
District (SCMSD) to consider an amendment to the Clean Water Plan to modify the
Canton-Nimishillen Facilities Planning Area to update the wastewater prescription for
the Moreland Allotment and the 17th Street areas in Canton Township; and

WHEREAS, the request from SCMSD includes amending the wastewater prescriptions
for the Moreland Allotment and the 17th Street Areas in Canton Township from "Areas
that will be Served by On-site Nondischarging Systems" to "Areas Programmed for
Sewers within the next 20 Years"; and

WHEREAS, the "Wastewater Treatment Planning Prescription and Wastewater
Planning Options" on pages 3-19-7 to 3-19-10 will be changed to include the addition of
a prescription for "Areas Expected to be Served with Sanitary Sewers within the next 20
Years" (orange) under Stark County Metropolitan Sewer District and Village of East
Canton Jurisdiction as shown below in bold and italics:

Stark County Metropolitan Sewer District and Village of East Canton Jurisdiction
Areas programmed for sewers within the next 20 years (orange):
These areas contain large undeveloped tracts of land and vacant lots
subject to improvement. New commercial, industrial, institutional, and
residential subdivisions in these areas shall be required to connect to
existing sanitary sewers for removal and conveyance of sanitary
wastewater to a POTW. Areas programmed for sewers within the next 20
years shall be required to extend new sanitary sewer service from the
proposed area to the existing sanitary sewer system that is served by a
POTW. Individual residentially zoned parcels may be improved with new
HSTSS provided the Stark County Board of Health finds that conditions are
suitable and the sanitary collection system is not available or is
inaccessible. In no case shall a system producing an off-lot discharge of
effluent be permitted for new construction. Properties served by or
accessible to sanitary sewers must be connected even if that requires a
pump system to ensure that wastewater will be transported and treated at a
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, other unique conditions. Publicly operated wastewater treatment plants, commonly referred to as “package plants,” may be approved for new residential, commercial or industrial subdivisions upon the approval of the Stark County Sanitary Engineer, the Board of Health and the Ohio EPA.

WHEREAS, all affected local governments and agencies have indicated no objection to the proposed amendments; and

WHEREAS, a legal advertisement that described the proposed amendment and sought comments on it, yielded no comments or questions; and

WHEREAS, the Ohio Environmental Protection Agency (Ohio EPA) has requested NEFCO’s approval of this amendment as a step in its permitting process; and

WHEREAS, the NEFCO Environmental Resources Technical Advisory Committee (ERTAC) performed a technical review of this request and recommended approval.

NOW, THEREFORE, BE IT RESOLVED that the NEFCO General Policy Board approves this amendment to change the wastewater prescription for the Moreland Allotment and the area of 17th Street in Canton Township in the Canton-Nimishillen FPA from “Areas that will be Served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems” to “Areas Expected to be Served with Sanitary Sewers within the next 20 Years”. Furthermore, the Board directs staff to incorporate this amendment into NEFCO’s Clean Water Plan and to transmit pertinent amendment materials to the City of Canton, Canton Township, Stark County Regional Planning Commission, Stark County Health Department, Stark County Metropolitan Sewer District and the Ohio EPA.

Certified as action taken by the NEFCO General Policy Board at its regular meeting held on April 17, 2019.

Todd Peetz, Secretary
NEFCO General Policy Board
Figure 1
Canton-Nimishillen Facilities Planning
Area Proposed Amendment Areas
208 Clean Water Plan Amendment

Areas Currently Served with Sanitary Sewers
Areas Expected to be Served with Sanitary Sewers within the Next 20 years
Areas to be Served by Home Sewage and Semi-Public Sewage Disposal Systems
Areas to be Served by a POTW or by a Home Sewage or Semi-Public Disposal System

* Please see Clean Water Plan text for a complete Explanation of mapping categories
* Please see the FPA Reference Map (Figure 3-1a) for names of adjacent FPA’s
Figure 2
Canton - Nimishillen Facilities Planning Area
Proposed Amendment Areas
208 Clean Water Plan Amendment

Canton

Canton Twp.

Osnaburg Twp.

East Canton Village

Canton

LOCATION OF PROPOSED AMENDMENT AREA 1

Legend:
- 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 System
- Areas that will be Served by a POTW or by a Home Sewage or Semi-Public Sewage Disposal System
- Lakes and Ponds

* Please see Clean Water Plan text for a complete explanation of the mapping categories.
* Please see the FPA Reference Map (figure 3-1a) for names of adjacent FPAs.

Production Date: 1/4/2019
Figure 3
Canton-Nimishillen Facilities Planning Area
208 Clean Water Plan Amendment
Proposed Wastewater Treatment Prescriptions

* Please see Clean Water Plan text for a complete explanation of the mapping categories.
* Please see the FPA Reference Map (figure 3-1a) for names of adjacent FPAs.

Production Date: 1/4/2019
January 7, 2019

Daniel Moeglin, P.E.
Canton City Engineer
2436 30th Street NE
Canton, OH 44705

Re: City of Canton 201/208 Facilities Planning Area (FPA) amendment to change the wastewater prescription for H M Franks Moreland Allotment and the areas of 17th Street in Canton Township to be served by sanitary sewer

Dear Mr. Moeglin,

On behalf of the City of Canton, the Stark County Metropolitan Sewer District (SCMSD) is proposing a 201/208 Facilities Planning Area (FPA) amendment to change the wastewater prescription for Moreland Allotment and the areas of 17th Street in Canton Township to be served by sanitary sewer.

Background:
The H M Franks Moreland Allotment is a post 1950’s community with failing septic systems, which, due to the close proximity of the homes, cannot be repaired easily with onsite systems. The homes are mainly single story, have potable water wells and septic systems. The age of the allotment is such that the existing septic systems are failing at a high rate. The potable water wells are relatively shallow increasing the risk of septic contamination. This is the reasoning behind the Stark County Health Department’s high rating for the installation of a wastewater collection system. The Ohio EPA has also examined the allotment and has confirmed the existence of unsanitary conditions leading to the imposition of Findings and Orders. The Orders state that within 24 months the area must have installed a complete sewerage system.

The collection system will require a sanitary lift station as the closest gravity system serves the unincorporated community of Waco and is well upgrade of the proposed Moreland Allotment gravity system. The proposed gravity sanitary sewer collection system includes a section of 17th Street, which abuts the existing sanitary manhole of which the Moreland system will terminate.

The proposed Moreland Allotment sanitary sewer project will serve approximately 170 residential homes and about 6 commercial enterprises. This development is older but has not been built out so some potential exists for a small amount of additional flow. In addition, the
sanitary lift station must be sized for the potential sewer shed drainage incorporating future development of the area.

All properties fronting the proposed sanitary sewer will be ordered to connect. In addition, new homes or businesses within the service area will also be required to connect to the sanitary sewers. There will also be an option concerning the properties near the alignment of the sanitary force main in that if there is no possibility of repair or replacement of an HSTS serving a home fronting the sanitary lift station force main, the Health Department, with assistance from the SCMSD, may have the property tie into the force main. Finally, this project eliminates one of the high priority failing septic system areas reported by the Health Department in NEFCO's Stark County Failing Home Sewage Treatment Systems report.

Wastewater prescription change:
The prescription for the Moreland Allotment area in Canton Township in the City of Canton FPA will be changed from “Areas that will be served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems.” to “Areas expected to be served with sanitary sewers within the next 20 years” (See attached maps).

SCMSD requests that you please review the attached amendment information and provide your comments for the proposed 201/208 Facilities Planning Area Amendment to my attention. You may respond to SCMSD by using the attached comment response form. These may be faxed back at (330) 453-9044, emailed at seeilsworth@starkcountyohio.gov or mailed to the address shown above. While you have until February 21, 2019 to comment, we would like to request that you respond by January 23, 2019. This letter will be included in the documentation that is submitted to NEFCO.

Please feel free to contact me at (330) 451-2366 (seeilsworth@starkcountyohio.gov) with questions or need for additional information.

Respectfully,

Scott Ellsworth, P.E.
Assistant Sanitary Engineer

Enclosures:
Comment Response Form
Figure 1 – Overall Canton-Nimishillen FPA
Figure 2 - Overall Canton-Nimishillen FPA Detail
Figure 3 – Proposed Prescription Change

Cc: James Troike, P.E., SCMSD, Luke Dostal., P.E., SCMSD, Laura DeYoung Minnig, NEFCO
Canton-Nimishillen 201/208 Facilities Planning Area Amendment
Moreland Allotment Area
Comment Response Form

Please review the letter, maps, and text provided regarding the Canton-Nimishillen 201/208 Facilities Planning Area (FPA) Amendment for the Stark County Metropolitan Sewer District, on behalf of the City of Canton, to change the wastewater prescription for the Moreland Allotment area in Canton Township in the City of Canton FPA from "Areas that will be served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems." to "Areas expected to be served with sanitary sewers within the next 20 years".

✓ No objection to the proposed revision
☐ Recommend comments written hereon or attached
☐ Recommend the approval be withheld until completion of further review

Authorized Signature

Printed Name: Dan Moeglin
Agency Name/Title: Canton City Engineer
Date: 1/10/19
Canton-Nimishillen 201/208 Facilities Planning Area Amendment
Moreland Allotment Area
Comment Response Form

Please review the letter, maps, and text provided regarding the Canton-Nimishillen 201/208 Facilities Planning Area (FPA) Amendment for the Stark County Metropolitan Sewer District, on behalf of the City of Canton, to change the wastewater prescription for the Moreland Allotment area in Canton Township in the City of Canton FPA from "Areas that will be served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems." to "Areas expected to be served with sanitary sewers within the next 20 years".

☑ No objection to the proposed revision

☐ Recommend comments written hereon or attached

☐ Recommend the approval be withheld until completion of further review

[Signature]
Authorized Signature:

Paul Delasqua, Dir. of Environmental Health 1/3/19
Printed Name  Agency Name/Title  Date
Stark County Health Dept.
Canton-Nimishillen 201/208 Facilities Planning Area Amendment
Moreland Allotment Area
Comment Response Form

Please review the letter, maps, and text provided regarding the Canton-Nimishillen 201/208 Facilities Planning Area (FPA) Amendment for the Stark County Metropolitan Sewer District, on behalf of the City of Canton, to change the wastewater prescription for the Moreland Allotment area in Canton Township in the City of Canton FPA from "Areas that will be served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems." to "Areas expected to be served with sanitary sewers within the next 20 years".

[X] No objection to the proposed revision

[ ] Recommend comments written hereon or attached

[ ] Recommend the approval be withheld until completion of further review

Authorized Signature

Robert Nunn, Executive Director, Stark EPC

Printed Name                Agency Name/Title                Date

11/5/19
Canton-Nimishillen 201/206 Facilities Planning Area Amendment
Moreland Allotment Area
Comment Response Form

Please review the letter, maps, and text provided regarding the Canton-Nimishillen 201/206 Facilities Planning Area (FPA) Amendment for the Stark County Metropolitan Sewer District, on behalf of the City of Canton, to change the wastewater prescription for the Moreland Allotment area in Canton Township in the City of Canton FPA from "Areas that will be served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems." to "Areas expected to be served with sanitary sewers within the next 20 years".

☑ No objection to the proposed revision

___ Recommend comments written hereon or attached

___ Recommend the approval be withheld until completion of further review

Authorized Signature

MARK SHaffer
Printed Name

Trusted Canton Township
Agency Name/Title

1/15/2019
Date
Legal Notice

The Stark County Metropolitan Sewer District, on behalf of the City of Canton, is soliciting comments on a proposal to modify the NEFCO 208 Clean Water Plan. As part of the proposed project, the wastewater generated by the Moreland Allotment area in Canton Township, Stark County would be collected through a gravity sanitary sewer system and pumped to the City of Canton for treatment.

As the City of Canton will be treating the wastewater generated by the Moreland Allotment area, it is proposed that their facility planning prescription be adjusted to encompass the Allotment. A small portion of additional area (17th Street, Waco) outside the Allotment will be included. The Allotment’s prescription will become “areas expected to be sewered with sanitary sewers within the next twenty years” because the Allotment has no current sewer.

However, once the project is constructed and Moreland Allotment has the availability of sanitary sewers, the prescription will be changed to “areas currently served with sanitary sewers”.

Comments will be accepted until 5:00 pm, January 24, 2019. Comments, questions or requests for additional information may be directed to:
Scott Ellsworth
Stark County Metropolitan Sewer District
P.O. Box 9972
1701 Mahoning Rd.NE
Canton, OH 44711-0972
(330) 451-2366 PHONE
(330) 453-9044 FAX
Seellsworth@Starkcountyohio.gov

The Repository, 1-9-19
Appendix 3-19

Canton - Nimishillen Basin
Facilities Planning Area
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 Reclamation Facility, 39.0000 MGD
   b. Louisville WWTP, 2.0000 MGD
   c. Waltham Woods WWTP, 0.300 MGD
   d. Molly Stark WWTP, 0.100 MGD
   e. Dee Mar WWTP, 0.07 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
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

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. West Branch Nimishillen Creek
d. Unnamed Tributary to East Branch Nimishillen Creek
e. Fohl Ditch

H. Contact Person/Address/Phone/Fax:
a. Mr. Tracy J. Mills, WRF Superintendent
   3530 Central Avenue, S.E.
   Canton, Ohio 44707-1338
   Phone: (330) 489-3080
   Fax: (330) 489-3084

b. Mr. Jim Jones, P.E., Sanitary Engineer
   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

Approved by the NEFCO General Policy Board
6/18/2014
3-19-4
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

I. **Population Served:**  
The population projections used in the 201 Plan and those in the NEFCO 208 Clean Water Plan are compared below.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Nimishillen Basin</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>201</td>
<td>253,997</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td></td>
</tr>
<tr>
<td>Approved 208</td>
<td>196,264</td>
<td>198,753</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td></td>
</tr>
<tr>
<td>City of Louisville</td>
<td>8,904</td>
<td>7,859</td>
<td>7,730</td>
<td>7,648</td>
<td>-----</td>
<td>-----</td>
</tr>
</tbody>
</table>

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 conditions 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 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, 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 sanitary sewer. However, there still may be undeveloped parcels of land that are subject to improvement and isolated structures that are not connected to sanitary sewer.

All new developments in yellow areas will be required to connect to existing sanitary sewer or construct a new sanitary mainline sewer to ensure that wastewater will be transported to an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS), small flow on-site sewage treatment systems (SFOSTS), or semi-public sewage treatment systems will be required to connect to sanitary sewer when it becomes available. The cost of such sewer connection shall be born by the property owner. Properties with failing HSTS, SFOSTS, or semi-public sewage treatment systems will be required to connect to existing sanitary sewer, or a mainline sanitary sewer must be constructed by the property owner to ensure that wastewater will be transported to and treated by a POTW. HSTS, SFOSTS and semi-public sewage treatment systems shall be abandoned in accordance with law. For both new and existing developments, the Stark County Sanitary Engineer will determine whether or not the sewer connection is acceptable. If it is determined by the Stark County Sanitary Engineer that the POTW and/or sanitary sewer do not have capacity to accept the connection, or there are other physical, legal or financial barriers prohibiting connections, then documentation that adequately and reasonably supports the claim must be provided to the Stark County Board of Health and/or Ohio EPA. The Board of Health or Ohio EPA, whichever has legal authority over the development, after review of the information, may permit the use of onsite sewage treatment systems. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. For HSTS and SFOSTS, limited variances to any provision of this prescription may be granted by the Stark County Board of Health, based on sanitary sewer availability and/or accessibility, threat to public health or other unique conditions.
**Stark County Metropolitan Sewer District and Village of East Canton Jurisdiction**

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

These areas contain large undeveloped tracts of land and vacant lots subject to improvement. New commercial, industrial, institutional, and residential subdivisions in these areas shall be required to connect to existing sanitary sewers for removal and conveyance of sanitary wastewater to a POTW. Areas programmed for sewers within the next 20 years shall be required to extend new sanitary sewer service from the proposed area to the existing sanitary sewer system that is served by a POTW. Individual residentially zoned parcels may be improved with new HSTs provided the Stark County Board of Health finds that conditions are suitable and the sanitary collection system is not available or is inaccessible. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by or accessible to sanitary sewers must be connected even if that requires a pump system to ensure that wastewater will be transported and treated at a 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, other unique conditions. Publicly operated wastewater treatment plants, commonly referred to as “package plants,” may be approved for new residential, commercial or industrial subdivisions upon the approval of the Stark County Sanitary Engineer, the Board of Health and the Ohio EPA.

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

(Subdivisions)

New commercial, industrial and residential subdivisions required to be platted by state and/or local regulations will be required to provide sanitary sewer service to ensure that sanitary wastewater will be transported to and treated at an existing POTW when:

1. An existing sewer, owned and operated by a Designated Management Agency (DMA), is within 2,500 ft. of the property proposed for development. For subdivisions which require pumping to reach an existing sewer, the development must comprise a minimum of 50 single-family lots, or the development must be projected to produce the equivalent sewage flow of 50 single-family lots.
2. It is determined by the Stark County Sanitary Engineer that the POTW and existing sanitary sewer have capacity to accept flow from the proposed development.
3. The Stark County Sanitary Engineer deems the connection to sewer as acceptable.
4. There are no other physical, legal or financial barriers prohibiting such connection.
If it is determined that such a barrier exists, then documentation that adequately and reasonably supports the claim must be provided to the Stark County Board of Health and/or the Ohio EPA. The Stark County Board of Health or the Ohio EPA, whichever has legal authority over the development, after review of the information, may permit the use of onsite sewage treatment systems. In no case shall a system producing an off-site discharge be permitted for new development. For HSTS and SFOSTS, limited variances to any provision of this prescription may be granted by the Stark County Board of Health based on sanitary availability and/or accessibility, threat to public health or other unique conditions. New, centralized wastewater treatment systems serving new developments with more than one lot/parcel, excluding approved SFOSTS, will not be approved.

(Individual Lots- residential)
New residential development on existing, individual parcels/lots or newly created, unplatted parcels will be required to provide sanitary sewer service to ensure that sanitary wastewater will be transported to and treated at an existing POTW when:

1. An existing sewer, owned and operated by a Designated Management Agency (DMA), is within 400 ft. of the parcel/lot proposed for development.
2. It is determined by the Stark County Sanitary Engineer that the POTW and existing sanitary sewer have capacity to accept flow from the proposed development.
3. The Stark County Sanitary Engineer deems the connection to sewer as acceptable.
4. There are no physical, legal or financial barriers prohibiting such connection.

If it is determined that such a barrier exists, then documentation that adequately and reasonably supports the claim must be provided to the Stark County Board of Health. The Stark County Board of Health, after review of the information, may permit the use of onsite sewage treatment systems. Where sanitary sewer is currently not accessible, individual parcels may be improved with new HSTS or SFOSTS, provided the Stark County Health Department finds that conditions are suitable. In no case shall a system producing an off-site discharge of effluent be permitted for new construction. An owner of an existing parcel served by an HSTS or a SFOSTS may extend a mainline sanitary sewer to the parcel so that wastewater is transported to an existing POTW, when and if the Stark County Sanitary Engineer deems the extension and connection as acceptable. When sanitary sewer becomes available, existing HSTS, SFOSTS and semi-public sewage treatment systems shall be abandoned in accordance with law, and the parcel shall be connected to sanitary sewer at the cost of the parcel owner. For HSTS and SFOSTS, variances to any provision of this prescription may be granted by the Stark County Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health or other unique conditions.

New POTW and sanitary sewer intended to serve areas of existing residential development served by HSTS, SFOSTS and semi-public sewage treatment systems are

Approved by the NEFCO General Policy Board
6/18/2014
3-19-9
acceptable.

(Individual Lots- non-residential)
New commercial development on existing individual parcels or newly created unplatted parcels will be required to provide sanitary sewer service to ensure that sanitary wastewater will be transported to and treated by an existing POTW when:

1. An existing sanitary sewer, tributary to a POTW, is within 1,000 ft. of the property proposed for development.
2. It is determined by the Stark county Sanitary Engineer that the POTW and existing sanitary sewer have capacity to accept flow from the proposed development.
3. The Stark County Sanitary Engineer deems the connection to sewer as acceptable.
4. There are no physical, legal or financial barriers prohibiting such connection.

If it is determined that such a barrier exists, documentation shall be provided to the Stark County Board of Health and/or Ohio EPA. The Board of Health or Ohio EPA, whichever has legal authority over the development, after review of the information, may permit the use of onsite sewage treatment systems. In no case shall a system producing an off-site discharge of effluent be permitted for new construction. For HSTS and SFOSTS, limited variances to any provision of this prescription may be granted by the Stark County Board of Health based on sanitary sewer availability and/or accessibility, threat to public health or other unique conditions. New, centralized wastewater treatment systems serving new development with more than one lot/parcel, excluding approved SFOSTS, will not be approved. Properties served by existing, failing semi-public treatment systems or SFOSTS, when deemed necessary by the Stark County Board of Health or Ohio EPA, will be required to connect to existing sanitary sewer, sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported to and treated by an existing POTW. Otherwise, failing semi-public treatment systems and SFOSTS must be repaired or replaced to current standards. At the cost of the property owner, all properties served by semi-public treatment systems or SFOSTS, 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, Stark County Board of Health or Board of Stark County Commissioners.

Areas that will be served by HSTS, SFOSTS, and semi-public sewage treatment systems (cream):
These areas are, for the most part, a great distance from existing sanitary sewers. Approval of connections to sanitary sewer for treatment of effluent at a POTW will be rare. Cream areas that appear closer to existing sewers are often burdened with other limitations to sanitary sewer to connection, such as: sanitary sewer capacity, physical obstructions to sewer construction, and flood plains.
Where sanitary sewer is not accessible, as determined by the Stark County Board of Health in conjunction with the Stark County Sanitary Engineer, new HSTS, SFOSTS or semi-public treatment systems may be permitted for subdivisions or individual parcels, based on evaluation and approval of the Stark County Board of Health or Ohio EPA, depending on authority granted by statute. In no case shall a system producing an off-site discharge of effluent be permitted for new construction. New, centralized wastewater treatment systems serving new development for more than one individual parcel, except approved SFOSTS, will not be approved. If sewer is not available, failing sewage treatment systems will be required to be repaired in accordance with Stark County Board of Health or Ohio EPA requirements, depending upon authority granted by statute.

Upon sanitary sewer becoming available, properties served by HSTS, SFOSTS or semi-public treatment systems will be required to connect to sanitary sewer to ensure that wastewater will be transported to and treated by a POTW. When sanitary sewer is available, HSTS, SFOSTS and semi-public sewage treatment systems shall be properly abandoned in accordance with law and the property shall be connected to sanitary sewer at the cost of the property owner. For HSTS and SFOSTS, variances to any provision of this prescription may be granted by the Stark County Board of Health based on sanitary sewer availability and/or accessibility, threat to public health or other unique conditions.

**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 HSTs 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. HSTs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTs, 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 HSTSSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSSs, 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

Approved by the NEFCO General Policy Board
6/18/2014
3-19-12
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 HSTSSs 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, HSTSSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. For HSTSSs, 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 HSTSSs are recommended within this service area for new developments or subdivisions. However, HSTSSs 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

Approved by the NEFCO General Policy Board
6/18/2014
3-19-13
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).