

Clean Water 2000 Water Quality Management Plan

Facility Planning Area Boundary Update

December 2003

**NORTHEAST OHIO AREAWIDE COORDINATING AGENCY
1299 Superior Avenue
Cleveland, OH 44114-3204**

This report was prepared with funding assistance under Section 604(b) of the Clean Water Act, through an agreement with the Ohio Environmental Protection Agency, and contributions from local jurisdictions.

Clean Water 2000 Water Quality Management Plan Facility Planning Area Boundary Updates

During the period of November 2001 through November 2003 seven Facility Planning Area (FPA) Boundary changes have been identified. These projects included:

1. Willoughby Hills Boundary Change
2. Village of LaGrange Expansion
3. Krantz Property Transfer
4. LORCO Phase I Project
5. Euclid FPA Boundary Correction
6. Medina County Boundary Correction
7. North Olmsted Boundary Correction

Supporting materials for these actions are included as Attachment A. Maps of approved or proposed FPA boundary changes are included where relevant. The FPA boundary changes have been included in an updated ARCVIEW shape file. The new file is regional_fpa_nov03.

As part of the Clean Water 2000 Planning process, communities identified sewer planning options for lands within the FPAs. These options identify areas that are currently served with central sanitary sewers, those areas that are expected to become sewer within a 20-year planning period, and those areas that will continue to be served by onsite treatment systems for the foreseeable future. Attachment B contains a summary and map indicating changes that have occurred to the sewer planning options since the adoption of the Clean Water Plan in November 2001. The updated sewer planning options (spo) ArcView shapefile is regional_spo_nov03.

Attachment A

Facility Planning Area Boundary Update Materials

Date received: September 23, 2002

Project Applicant: City of Willoughby Hills

Project Title: Facility Planning Area Boundary and Prescription Changes

- Applicant is the Designated Management Agency for all of the affected area.
- Applicant is not the Designated Management Agency for all or part of the affected area, but **has** secured the approval of the entity or entities that are.
- Applicant is not the Designated Management Agency for all or part of the affected area, but **has not** secured the approval of the entity or entities that are.

- The applicant **does not** propose the extension of any sewer service.
 - The proposed project is limited to sewer system rehabilitation work.
 - The proposed project is limited to a plant expansion or modification to better handle wet weather flow volumes.

- The applicant **does** propose the extension of sewer service to an area lying entirely within the established facility planning area of the project sponsor.
 - The proposed extension **is** consistent with the current Community Plans for Wastewater Treatment for the affected area.
 - The proposed extension **is not** consistent with the current Community Plans for Wastewater Treatment for the affected area.

- The application involves a plant capacity expansion that **is** consistent with extant population projections included in the Clean Water 2000 Plan as most recently updated.
- The application involves a plant capacity expansion that **is not** consistent with extant population projections included in the Clean Water 2000 Plan as most recently updated.
 - The applicant **has** provided information that **has** sufficiently resolved any population project discrepancy.
 - The applicant **has not** provided information that sufficiently resolved the population projection discrepancy.

Staff Comments: Willoughby Hills is seeking to provide sanitary sewer service to an area that has numerous failing home sewage treatment systems. The City proposes directing the wastewater flow from this area to the Euclid Wastewater Treatment Plant. In order to accomplish this within the confines of the Clean Water 2000 Plan, Willoughby Hills has requested that the NOACA Board approve a Facility Planning Area Boundary change that would remove the project area from the Willoughby-Eastlake FPA and transfer it to the Euclid FPA. The action would also change the Sewer Planning Designation for the project area from “to be served by on-site systems” to “area to be sewerred in the next five years.”

Staff Disposition: Willoughby Hills has secured letters of support from the Lake County Sanitary Engineer, and the Cities of Euclid, Willoughby, and Kirtland in accordance with the requirements of Policy 4-2 of the Clean Water 2000 Plan. Staff recommends approval of the FPA and Sewer Planning Designation request. This determination is part of the record of the November 20, 2002 Water Quality Subcommittee meeting.

Committee Disposition: The Water Quality Subcommittee recommended approval of this change at its November 20, 2002 meeting.

Board Disposition: The NOACA Board approved this FPA change at its meeting on December 13, 2002. The NOACA Board passed Resolution 2003-018 in support of this project.

Date received: January 13, 2003

Project Applicant: Village of LaGrange
Project Title: Biggs Road Emergency Extension

- Applicant is the Designated Management Agency for all of the affected area.
- Applicant is not the Designated Management Agency for all or part of the affected area, but **has** secured the approval of the entity or entities that are.
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 - The proposed project is limited to sewer system rehabilitation work.
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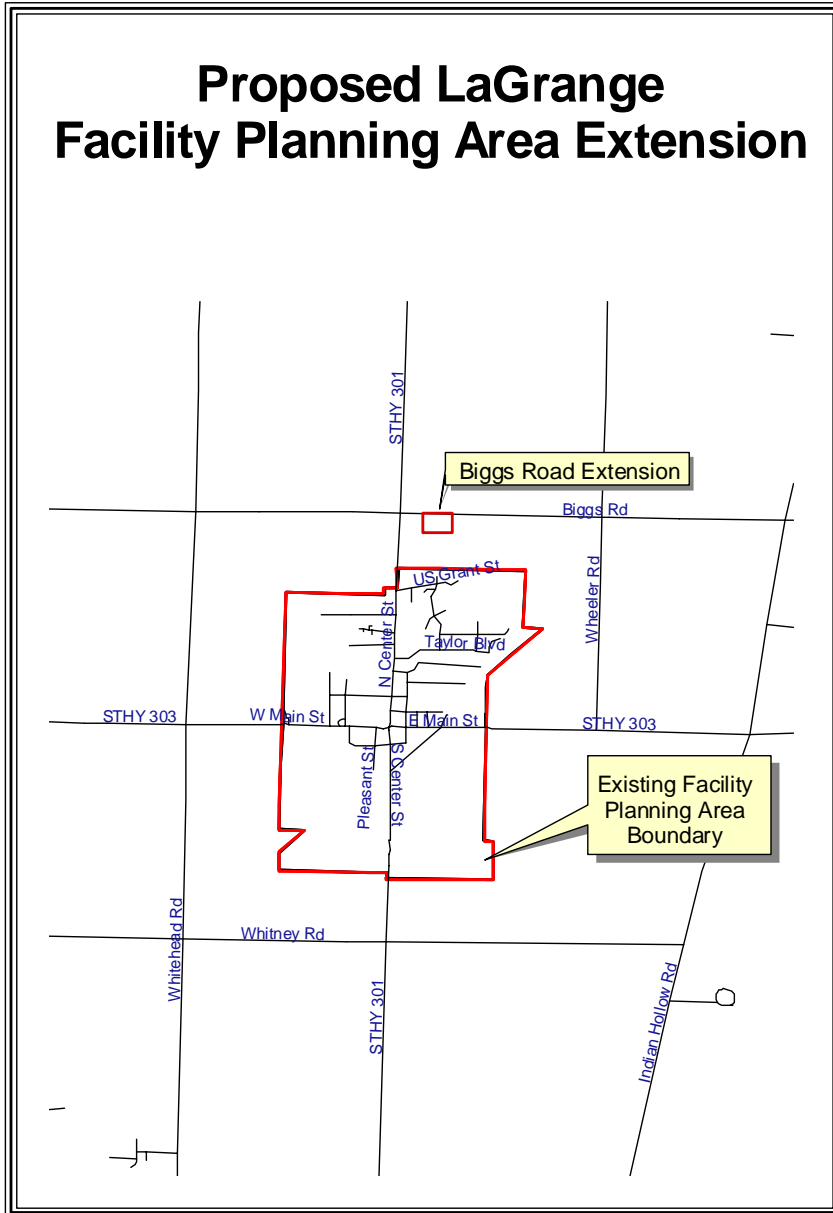
Staff Comments: Three properties along Biggs Road have off-lot discharging home sewage treatment systems that discharge to a ditch that has been removed by an adjacent development. The Village seeks to expand its facility planning area boundary to include these homes so that they can be connected to the Village's wastewater treatment plant.

Staff Disposition: The staff recommends approval of this facility planning area request. Lorain County and LORCO are the Designated Management Agencies currently responsible for wastewater planning in the affected area. They have expressed support for the change.

Committee Disposition: Due to the emergency nature of this request, it is being submitted directly to the Board for action with the permission of Commissioner Steve Hambley the Subcommittee Chairperson.

Board Disposition: The NOACA Board approved this request at its meeting on February 8, 2003. The NOACA Board passed Resolution 2003-018 in support of this project.

Proposed LaGrange Facility Planning Area Extension



Date received: December 20, 2002

Project Applicant: City of Lorain
Project Title: Krantz Property Transfer

- Applicant is the Designated Management Agency for all of the affected area.
- Applicant is not the Designated Management Agency for all or part of the affected area, but **has** secured the approval of the entity or entities that are.
- Applicant is not the Designated Management Agency for all or part of the affected area, but **has not** secured the approval of the entity or entities that are.

- The applicant **does not** propose the extension of any sewer service.
 - The proposed project is limited to sewer system rehabilitation work.
 - The proposed project is limited to a plant expansion or modification to better handle wet weather flow volumes.

- The applicant **does** propose the extension of sewer service to an area lying entirely within the established facility planning area of the project sponsor.
 - The proposed extension **is** consistent with the current Community Plans for Wastewater Treatment for the affected area.
 - The proposed extension **is not** consistent with the current Community Plans for Wastewater Treatment for the affected area.

- The application involves a plant capacity expansion that **is** consistent with extant population projections included in the Clean Water 2000 Plan as most recently updated.
- The application involves a plant capacity expansion that **is not** consistent with extant population projections included in the Clean Water 2000 Plan as most recently updated.
 - The applicant **has** provided information that **has** sufficiently resolved any population project discrepancy.
 - The applicant **has not** provided information that sufficiently resolved the population projection discrepancy.

Staff Comments: The Krantz property (Parcel #500.065.000.035) straddles the existing Lorain/Elyria FPA boundary. The city of Lorain is in a position to serve the property with sanitary service; Elyria is not. Elyria has agreed to release the property from its FPA so that Lorain can proceed to serve the entire property.

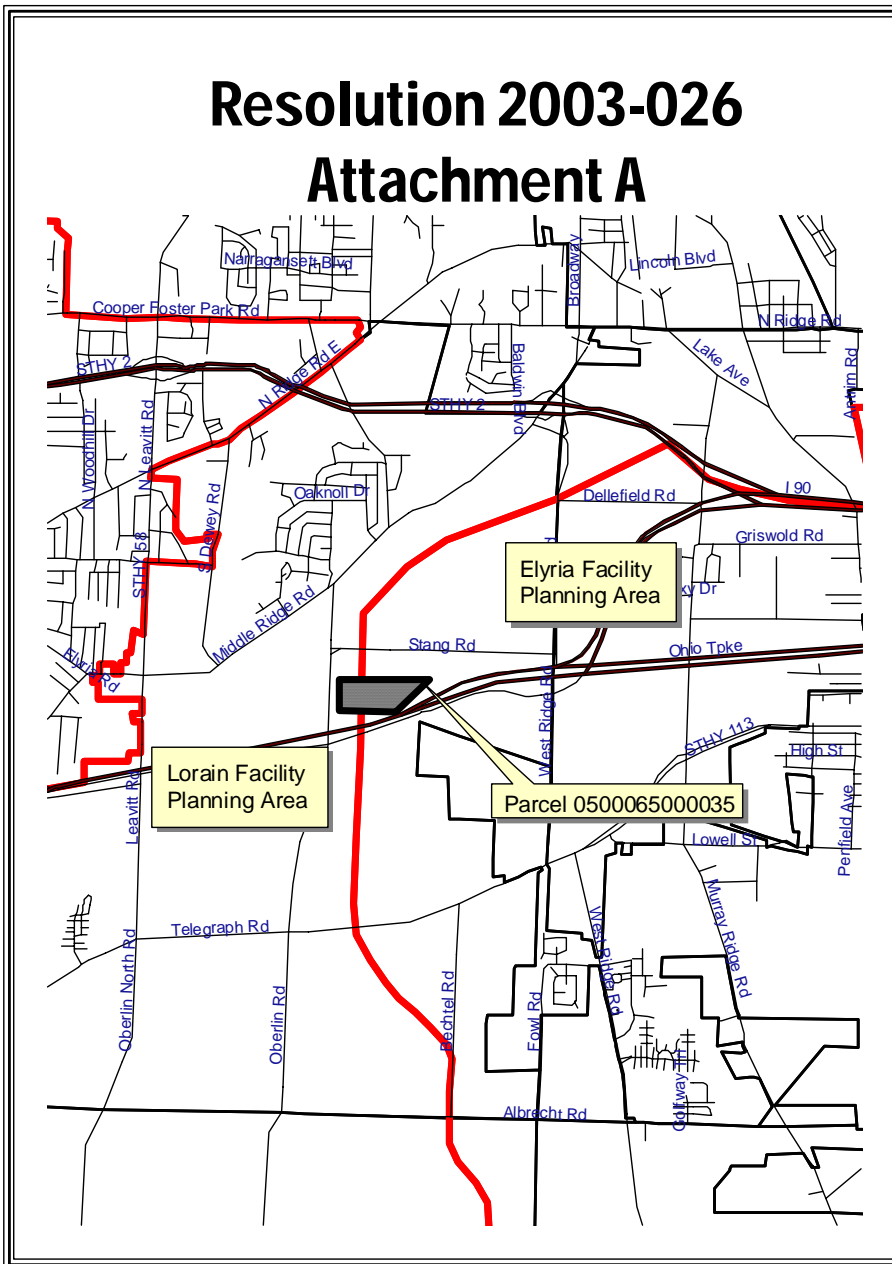
Staff Disposition: Staff recommends that the Lorain/Elyria FPA boundary be altered so as to incorporate the entire Krantz property into the Lorain FPA.

Committee Disposition: The Water Quality Subcommittee approved this FPA modification at its meeting of February 19, 2003.

Board Disposition: The NOACA Board approved this request at its meeting on March 14, 2003. The NOACA Board passed Resolution 2003-026 in support of this project.

Resolution 2003-026

Attachment A



Date received: January 16, 2003

Project Applicant: Lorain County Rural Wastewater District (LORCO)

Project Title: Phase I Project

- ✓ Applicant is the Designated Management Agency for all of the affected area.
- ❑ Applicant is not the Designated Management Agency for all or part of the affected area, but **has** secured the approval of the entity or entities that are.
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- ❑ The applicant **does not** propose the extension of any sewer service.
 - ❑ The proposed project is limited to sewer system rehabilitation work.
 - ❑ The proposed project is limited to a plant expansion or modification to better handle wet weather flow volumes.

- ✓ The applicant **does** propose the extension of sewer service to an area lying entirely within the established facility planning area of the project sponsor.
- ✓ The proposed extension **is** consistent with the current Community Plans for Wastewater Treatment for the affected area.
 - ❑ The proposed extension **is not** consistent with the current Community Plans for Wastewater Treatment for the affected area.

- ❑ The application involves a plant capacity expansion that **is** consistent with extant population projections included in the Clean Water 2000 Plan as most recently updated.
- ❑ The application involves a plant capacity expansion that **is not** consistent with extant population projections included in the Clean Water 2000 Plan as most recently updated.
 - ❑ The applicant **has** provided information that **has** sufficiently resolved any population project discrepancy.
 - ❑ The applicant **has not** provided information that sufficiently resolved the population projection discrepancy.

Staff Comments: See Attachment.

Staff Disposition: Staff notes that there are no technical inconsistencies with the Clean Water 2000 Water Quality Plan in the LORCO Phase I Project. Staff also notes that the requested coordination statement has not been received from the Lorain County Commissioners, but believes that coordination has taken place.

Committee Disposition: The Water Quality Subcommittee recommended that the NOACA Board accept this project as being consistent with the Clean Water 2000 Plan at their meeting on May 21, 2003.

Board Disposition: On June 13, 2003, the NOACA Board accepted this plan as being consistent with the Clean Water 2000 Plan and directed that the project area be moved into the Avon Lake FPA. The NOACA Board passed Resolution 2003-038 in support of this project.

LORCO Phase I Project Attachment

Staff Comments: This project is restricted to an area in Carlisle and Eaton Townships that is both within the LORCO/Lorain County Joint Planning Area and outside of any other designated planning area. This project proposes the collection of wastewater from the project area and the construction of a conveyance system to transport the wastewater to the Avon Lake Wastewater Treatment Plant. This requires a Facility Planning Area boundary change to incorporate the project area into the Avon Lake Facility Planning Area with Avon Lake being designated as the Primary Designated Management Agency and LORCO being designated as a Satellite Designated Management Agency for the area.

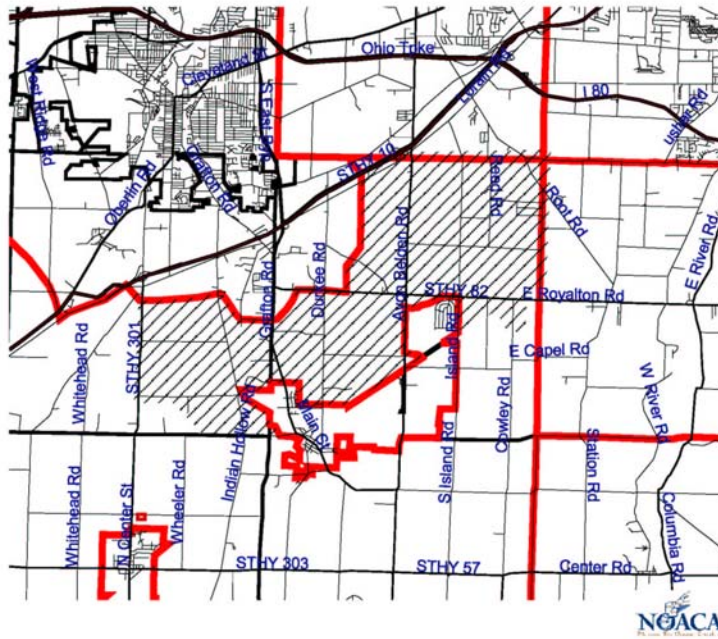
This project will utilize existing capacity at the Avon Lake Wastewater Treatment Plant. LORCO did use the NOACA population projections in determining the size of the collection and transmission lines associated with the project.

The anticipated homeowner costs are within the Ohio EPA established affordability guidelines.

NOACA sought a resolution from the Lorain County Commissioners that consultation had taken place between the County and LORCO pursuant to the Staff's understanding of their joint agreement. That resolution has not been forthcoming. Several meetings have taken place wherein LORCO did present its proposal to the County Commissioners and other interested parties. LORCO did respond to the issues raised at these meetings. These meetings included an All-Parties meeting called by NOACA on February 18, 2003. They also included meetings before the Lorain County Board of Commissioners on February 27 and March 6, 2003.

Exhibit A

LORCO Phase I Project Area



Technical Corrections to Facility Planning Area Boundaries

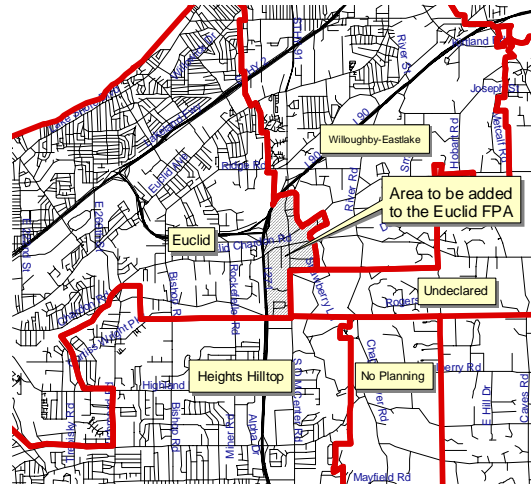
The following FPA boundary changes have been identified through discussions with wastewater planning agencies. They largely reflect conditions that existed prior to the adoption of the Clean Water Plan in November 2001 that were not correctly identified in the original boundary delineations. The extent of each boundary change is identified on the attached maps.

Euclid FPA: The southeastern edge of the Euclid FPA boundary is adjusted to include an area in the City of Willoughby Hills that is currently connected to the Euclid Wastewater Treatment Plant. This area was improperly included in the “Undeclared FPA” of Lake County.

The Medina County FPA is being amended in the vicinity of the Cuyahoga County line, particularly in the area of North Royalton. The newly located boundary corrects inconsistencies that existed between the Cuyahoga County file and the Medina County file. The amended boundary also reflects existing service agreements that Medina County has with both Summit County and the City of Broadview Heights in Cuyahoga County.

The North Olmsted FPA needs to be adjusted in two locations to accurately reflect areas that are currently served by the North Olmsted Wastewater Treatment Plant. The sewer planning options have also been corrected to reflect those areas in the FPA that are not yet serviced by sanitary sewers.

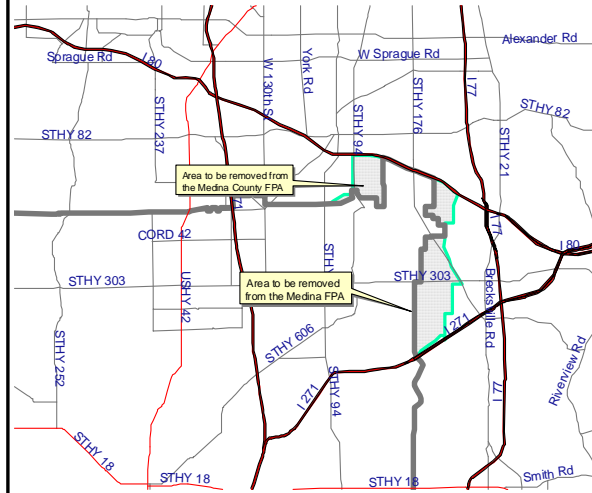
**Amended Facility Planning Area
of the Euclid Wastewater Treatment Plant**



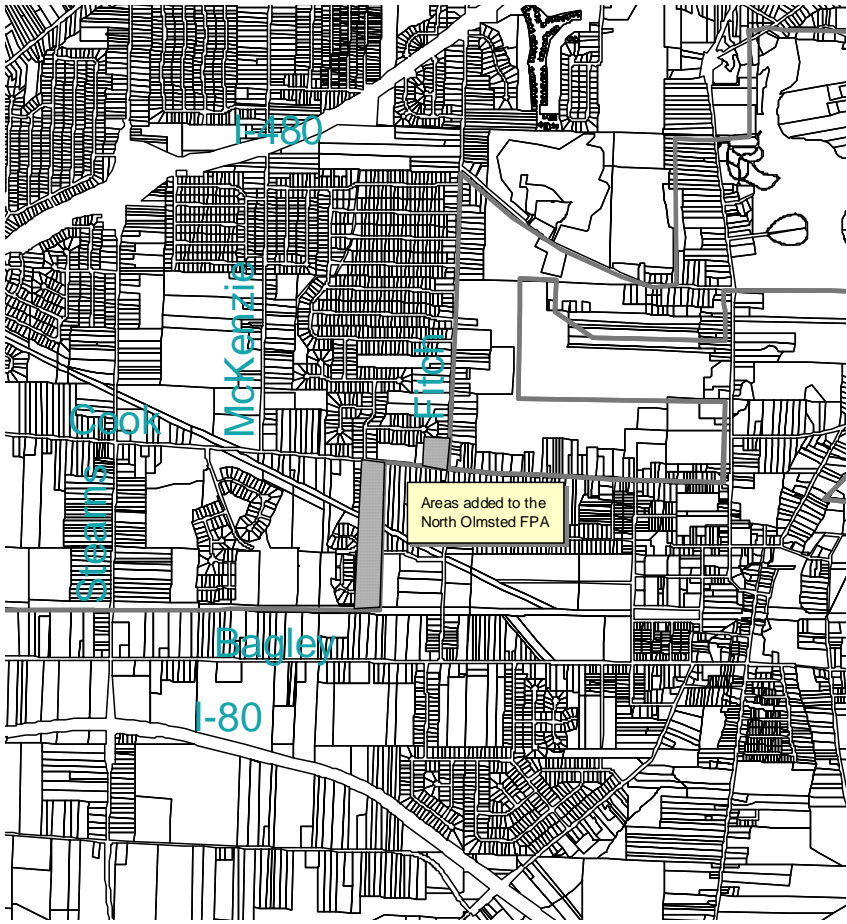
Fpa_current.shp

Prepared by NOACA
November 2003

**Proposed Changes to the
Medina County Facility Planning Area
(Draft, November 11, 2003)**



Adjustments to the North Olmsted FPA (November 2003)



Attachment B

Sewer Planning Option Boundary Update Materials

Summary of Sewer Planning Option Updates

Cuyahoga County

Moreland Hills: the area served by the Quail Hollow Wastewater Treatment Plant has been reclassified from treatment to be provided by on-site systems to currently sewer.

Pepper Pike: the City of Pepper Pike was classified as treatment to be provided by on-site systems even though sanitary sewers serve areas of the city. The areas so served have been reclassified.

Olmsted Township: Areas that are currently served by the North Olmsted Wastewater Treatment Plant have been delineated. The remaining areas of the Township are reclassified to “sewers expected within 20 years.”

Geauga County

Bainbridge Township: The area occupied by the Fellowship Bible Church is reclassified from “to be served with on-site systems” to “sewers expected within 20 years”.

Lake County

Willoughby Hills: The area that was transferred from the Willoughby-Eastlake FPA to the Euclid FPA is reclassified from “to be served with on-site systems” to “sewers expected within 20 years”. The area added to the Euclid FPA as a technical correction is classified as ‘area currently served by sanitary sewers.’

Lorain County

Village of LaGrange: the area included in the Biggs Road extension is reclassified from “to be served with on-site systems” to “sewers expected within 20 years.”

LORCO Phase I Area: the entire Phase I area is now classified as “sewers expected within 20 years.”

Medina County

The area in the northeast corner of the Medina County FPA that was adjusted to match existing sewer service agreements in now classified as “sewers expected within 20 years.”

Sewer Planning Options in Northeast Ohio

