MEMORANDUM

TO: NEFCO General Policy Board
FROM: Joseph Hadley Jr., Executive Director
DATE: August 8, 2018
SUBJECT: Consideration of an Amendment to the Clean Water Plan for the Cuyahoga Valley Interceptor (CVI) Facilities Planning Area (FPA) to update and add to the wastewater prescriptions for the Cuyahoga Valley National Park’s Constructed Wetland Treatment System in Boston Township

What’s being requested:
The County of Summit Department of Sanitary Sewer Services (DSSS), on behalf of the National Park Service (NPS) and the Cuyahoga Valley National Park (CVNP), is requesting an amendment of the wastewater prescription for Areas Served by the Cuyahoga Valley National Park’s Constructed Wetland Treatment System in Boston Township (yellow) in the 208 Clean Water Plan (CWP) for the CVI Facilities Planning Area (FPA). The proposed change is to allow for the addition of three federally-owned properties to the CVNP wetland treatment system and is detailed below. All other wastewater prescriptions, as well as FPA boundaries, remain the same.

Background (adapted from information provided by the NPS from the 02-20-13 CVI FPA Amendment on NEFCO’s 208 Plan on its website):
Wastewater prescriptions under the 208 Plan for the CVI FPA approved by the NEFCO General Policy Board on 02-20-2013, identified properties owned by the National Park Service (NPS) to be served by its constructed wetland treatment system in the CVNP (see Figures 1 and 2). These properties were those owned by the NPS in the CVNP with frontage on the following roads:
1) Boston Mills Road - between Riverview Road and Hines Hill Road;
2) Stanford Road – in Boston Township;
3) Hines Hill Road – from intersection with Boston Mills Road north 1,200 feet.

The NPS has since acquired three buildings in Boston Township on the west side of the Cuyahoga River with frontage on Boston Mills Road that it is requesting be added to the CVNP Constructed Wetland Treatment system. These properties, known collectively as Zielenski Court, are within the specified locations above and will serve as a public Visitor Center, public restroom facilities and office space/storage. The existing on-site wastewater treatment system at the Zielenski Court site is a residential on-site septic system and does not meet the requirements of the anticipated CVNP usage.

Plans have been submitted to the Ohio EPA Northeast District Office (NEDO) to allow the structures at Zielenski Court to be tied into the existing CVNP treatment system. After submittal of these plans to NEDO on April 27, 2018, it was determined that an amendment to the wastewater prescription in the existing CVI FPA plan was needed for
approval of this connection. The CVI FPA language does not allow for federally-owned properties that were not connected to the CVNP constructed wetland treatment system at the time of NEFCO 208 plan approval on February 20, 2013 to be added to this wastewater conveyance and treatment system. The NPS is requesting that the wastewater prescription for the CVNP constructed wetland treatment service area in the current CVI FPA be amended to include additional federally-owned CVNP properties in the identified service area. The CVI FPA yellow map coloring should also be adjusted at the parcel level as necessary to include new federally-owned properties in the area west of the Cuyahoga River along Boston Mills Road between Hines Hill Road and Riverview Road.

Facilities Planning Area (FPA) boundary change: None

Wastewater prescription change:
Areas Served by the Cuyahoga Valley National Park’s Constructed Wetland Treatment System Wetland in Boston Township (yellow):
This area is within the Cuyahoga Valley National Park (CVNP) and has a constructed wetland treatment system owned and operated by the National Park Service. The constructed wetland treatment system was initially designed to be a non-discharging system; however, a future discharge point was incorporated in the design. Due to changing weather patterns which resulted in record rainfalls in 2011, the CVNP determined that the system will need to discharge into the Cuyahoga River during years of excessive rainfall.

The treatment and conveyance system was designed to serve the CVNP’s properties. The CVNP’s properties served by the constructed wetland have frontage along the following roads:
- Boston Mills Road - between Riverview Road and Hines Hill Road
- Stanford Road – in Boston Township
- Hines Hill Road – from intersection with Boston Mills Road north 1,200 feet

Properties Privately-owned properties with frontage along these roads not currently connected to the constructed wetland are not permitted to connect to the CVNP’s conveyance system. Properties Privately-owned properties in this area must be served by an existing publicly-owned treatment works (POTW) or an on-site non-discharging treatment system.

Should a POTW serve this area in the future, the current constructed wetland conveyance system will be connected to the POTW system, if feasible. If the flow from Park properties is diverted to a POTW, the constructed wetland treatment system will be taken out of service.

Areas To Be Served by the Cuyahoga Valley National Park’s Constructed Wetland Treatment System in Boston Township (orange):
This area (Figures 3 and 3a) is within the Cuyahoga Valley National Park (CVNP) which has a constructed wetland treatment system owned and operated by the National Park Service. This treatment and conveyance system has been designed to serve CVNP’s properties. The CVNP’s properties to be served by the constructed wetland have frontage along Boston Mills Road between Riverview Road and Hines Hill Road.
Should a POTW serve this area in the future, the current constructed wetland conveyance system will be connected to the POTW system, if feasible. If the flow from Park properties is diverted to a POTW, the constructed wetland treatment system will be taken out of service.

**Local governments/agencies affected:**
- 1) National Park Service/CVNP;
- 2) Boston Township;
- 3) Summit County Public Health;
- 4) Northeast Ohio Regional Sewer District (NEORSD);
- 5) Ohio EPA Northeast District Office (OEPA-NEDO)

Responses have been received from Boston Township, Summit County Public Health, the Northeast Ohio Regional Sewer District, and Ohio EPA-NEDO. These are attached.

**Public notification efforts:** A Public Notice was placed in the Akron Beacon Journal on July 8 and July 15, 2018. No comments or questions were received.

**Staff recommendation:** Staff recommended approval of the amendment.

**Environmental Resources Technical Advisory Committee (ERTAC) Recommendation to the NEFCO General Policy Board:** The ERTAC recommended that the Board approve the amendment and include revised Figure 3 from the ERTAC meeting.

**NEFCO General Policy Board Action:**
Approval of Resolution No. FY2019-003.
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 THE
CUYAHOGA VALLEY INTERCEPTOR FACILITIES PLANNING AREA (FPA) TO
UPDATE AND ADD TO THE WASTEWATER PRESCRIPTIONS FOR THE CUYAHOGA
VALLEY NATIONAL PARK’S CONSTRUCTED WETLAND TREATMENT SYSTEM IN
BOSTON 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 County of Summit Department of
Sanitary Sewer Services (DSSS) on behalf of the National Park Service (NPS) and
Cuyahoga Valley National Park (CVNP) to consider an amendment to the Clean Water
Plan to update an existing wastewater prescription and to add a wastewater
prescription, in order to enable three NPS properties to be served by the CVNP’s
constructed wetland system; and

WHEREAS, the Northeast Ohio Regional Sewer District (NEORSD), which is the
Management Agency for the Cuyahoga Valley Interceptor, has indicated that it has no
objection to the proposed revisions; and

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

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

NOW, THEREFORE, BE IT RESOLVED that the NEFCO General Policy Board
approves this amendment for the Cuyahoga Valley Interceptor (CVI) Facilities Planning
Area (FPA) to update and add to the wastewater prescriptions for the Cuyahoga Valley
National Park’s Constructed Wetland Treatment System in Boston Township.
Furthermore, the Board directs staff to incorporate this amendment into NEFCO’s Clean
Water Plan and to transmit pertinent amendment materials to the Summit County Public
Health, County of Summit Department of Sanitary Sewer Services, Northeast Ohio
Regional Sewer District, Boston Township, Cuyahoga Valley National Park, and the
Ohio EPA-NEDO.

Certified as action taken by the NEFCO
General Policy Board at its regular
meeting held on August 15, 2018.

Thomas A. Tatum, Secretary
NEFCO General Policy Board
Figure 2
Cuyahoga Valley Interceptor Facilities Planning Area
Areas Served by the Cuyahoga Valley National Park's
Constructed Wetland Treatment System
Current Wastewater 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.

Source: Ohio Department of Natural Resources; Division of Real Estate and Land Management; Summit County D.O.E.S.
Figure 3
Cuyahoga Valley Interceptor Facilities Planning Area
Areas Served by the Cuyahoga Valley National Park's
Constructed Wetland Treatment System
Proposed Wastewater Prescriptions

Areas Currently Served with Sanitary Sewers
Areas that will be Served by a POTW or by Home
Sewage and Semi-Public Sewage Disposal Systems
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.

Northeast Ohio Four County Regional Planning and Development Organization, January 30, 2013.
Source: Ohio Department of Natural Resources; Division of Real Estate and Land Management; Summit County D.O.E.S.
July 6, 2018

Devonna Marshall
Planning Manager
NEORSD
3900 Euclid Avenue
Cleveland, Ohio 44114

RE:  Cuyahoga Valley National Park Constructed Treatment Wetland; Cuyahoga Valley Interceptor Facilities Planning Area Wastewater Prescriptions

Ms. Marshall:

The County of Summit Department of Sanitary Sewer Services, on behalf of the National Park Service and the Cuyahoga Valley National Park (CVNP), is requesting an amendment of the wastewater prescriptions for the service area associated with the CVNP’s constructed treatment wetland included in the 208 Clean Water Plan for the Cuyahoga Valley Interceptor (CVI) Facilities Planning Area (FPA). The proposed change is to provide for connection of additional federally-owned properties to the CVNP wetland treatment facility system. All other wastewater prescriptions remain unchanged.

Attached for your information and use are:

- The current CVI FPA 208 Plan
- The proposed revisions to the CVI FPA 208 Plan and wastewater prescription (modifications are highlighted and/or shown as strikeouts)
- A response letter for your use

We would appreciate your comments prior to July 31, 2018 using the attached form.

Questions may be directed to Matthew Calcei, P.E., at the County of Summit Department of Sanitary Sewer Services, 1180 S. Main St., Suite 201, Akron, Ohio 44301. Contact information is 330-926-2477 by telephone, or by e-mail at mcalcei@summitoh.net.

Sincerely,

ROSS A. NICHOLSON, P.E.
Deputy Director-Engineering

RAN/sdc

pc:    M. Weant
July 6, 2018

Eric Semple  
Chief, Facilities Management Division  
Cuyahoga Valley National Park  
15610 Vaughn Road  
Brecksville, Ohio 44141

RE: Cuyahoga Valley National Park Constructed Treatment Wetland; Cuyahoga Valley Interceptor Facilities Planning Area Wastewater Prescriptions

Mr. Semple:

The County of Summit Department of Sanitary Sewer Services, on behalf of the National Park Service and the Cuyahoga Valley National Park (CVNP), is requesting an amendment of the wastewater prescriptions for the service area associated with the CVNP’s constructed treatment wetland included in the 208 Clean Water Plan for the Cuyahoga Valley Interceptor (CVI) Facilities Planning Area (FPA). The proposed change is to provide for connection of additional federally-owned properties to the CVNP wetland treatment facility system. All other wastewater prescriptions remain unchanged.

Attached for your information and use are:

- The current CVI FPA 208 Plan
- The proposed revisions to the CVI FPA 208 Plan and wastewater prescription (modifications are highlighted and/or shown as strikeouts)
- A response letter for your use

We would appreciate your comments prior to July 31, 2018 using the attached form.

Questions may be directed to Matthew Calcei, P.E., at the County of Summit Department of Sanitary Sewer Services, 1180 S. Main St., Suite 201, Akron, Ohio 44301. Contact information is 330-926-2477 by telephone, or by e-mail at mcalcei@summitoh.net.

Sincerely,

ROSS A. NICHOLSON, P.E.  
Deputy Director-Engineering

RAN/sdc

pc: M. Weant
July 6, 2018

Tonia W. Burford, M.S., R.S.
Director, Division of Environmental Health
Summit County Public Health
1867 West Market Street
Akron, Ohio 44313

RE: Cuyahoga Valley National Park Constructed Treatment Wetland; Cuyahoga Valley Interceptor Facilities Planning Area Wastewater Prescriptions

Mr. Schneider:

The County of Summit Department of Sanitary Sewer Services, on behalf of the National Park Service and the Cuyahoga Valley National Park (CVNP), is requesting an amendment of the wastewater prescriptions for the service area associated with the CVNP’s constructed treatment wetland included in the 208 Clean Water Plan for the Cuyahoga Valley Interceptor (CVI) Facilities Planning Area (FPA). The proposed change is to provide for connection of additional federally-owned properties to the CVNP wetland treatment facility system. All other wastewater prescriptions remain unchanged.

Attached for your information and use are:

- The current CVI FPA 208 Plan
- The proposed revisions to the CVI FPA 208 Plan and wastewater prescription (modifications are highlighted and/or shown as strikeouts)
- A response letter for your use

We would appreciate your comments prior to July 31, 2018 using the attached form.

Questions may be directed to Matthew Calcei, P.E., at the County of Summit Department of Sanitary Sewer Services, 1180 S. Main St., Suite 201, Akron, Ohio 44301. Contact information is 330-926-2477 by telephone, or by e-mail at mealcei@summitoh.net.

Sincerely,

ROSS A. NICHOLSON, P.E.
Deputy Director-Engineering

RAN/sdc

pc: M. Weant
July 6, 2018

John Schneider
Zoning Inspector
Boston Township
1775 Main Street
Peninsula, Ohio 44264

RE:  Cuyahoga Valley National Park Constructed Treatment Wetland; Cuyahoga Valley Interceptor Facilities Planning Area Wastewater Prescriptions

Mr. Schneider:

The County of Summit Department of Sanitary Sewer Services, on behalf of the National Park Service and the Cuyahoga Valley National Park (CVNP), is requesting an amendment of the wastewater prescriptions for the service area associated with the CVNP's constructed treatment wetland included in the 208 Clean Water Plan for the Cuyahoga Valley Interceptor (CVI) Facilities Planning Area (FPA). The proposed change is to provide for connection of additional federally-owned properties to the CVNP wetland treatment facility system. All other wastewater prescriptions remain unchanged.

Attached for your information and use are:

- The current CVI FPA 208 Plan
- The proposed revisions to the CVI FPA 208 Plan and wastewater prescription (modifications are highlighted and/or shown as strikeouts)
- A response letter for your use

We would appreciate your comments prior to July 31, 2018 using the attached form.

Questions may be directed to Matthew Calcei, P.E., at the County of Summit Department of Sanitary Sewer Services, 1180 S. Main St., Suite 201, Akron, Ohio 44301. Contact information is 330-926-2477 by telephone, or by e-mail at mcalcei@summitoh.net.

Sincerely,

ROSS A. NICHOLSON, P.E.
Deputy Director-Engineering

RAN/sdc

pc: M. Weant
July 6, 2018

Richard Blasick, P.E.
Ohio EPA-Northeast District Office
2110 East Aurora Road
 Twinsburg, Ohio 44087-1924

RE: Cuyahoga Valley National Park Constructed Treatment Wetland; Cuyahoga Valley Interceptor Facilities Planning Area Wastewater Prescriptions

Mr. Schneider:

The County of Summit Department of Sanitary Sewer Services, on behalf of the National Park Service and the Cuyahoga Valley National Park (CVNP), is requesting an amendment of the wastewater prescriptions for the service area associated with the CVNP's constructed treatment wetland included in the 208 Clean Water Plan for the Cuyahoga Valley Interceptor (CVI) Facilities Planning Area (FPA). The proposed change is to provide for connection of additional federally-owned properties to the CVNP wetland treatment facility system. All other wastewater prescriptions remain unchanged.

Attached for your information and use are:

- The current CVI FPA 208 Plan
- The proposed revisions to the CVI FPA 208 Plan and wastewater prescription (modifications are highlighted and/or shown as strikeouts)
- A response letter for your use

We would appreciate your comments prior to July 31, 2018 using the attached form.

Questions may be directed to Matthew Calcei, P.E., at the County of Summit Department of Sanitary Sewer Services, 1180 S. Main St., Suite 201, Akron, Ohio 44301. Contact information is 330-926-2477 by telephone, or by e-mail at mcalcei@summitoh.net.

Sincerely,

ROSS A. NICHOLSON, P.E.
Deputy Director-Engineering

RAN/sdc

pc: M. Weant
Date: July 6, 2018

To: County of Summit Department of Sanitary Sewer Services  
   Suite 201  
   1180 S. Main St.  
   Akron, OH 44301

From: NEORSD  
      Ohio EPA-NEDO  
      Boston Township  
      Cuyahoga Valley National Park  
      Summit County Public Health

RE: CVI FPA; CVNP wastewater prescription updates

Please review the attached letter, maps, and text, and respond to the County of Summit Department of Sanitary Sewer Services by noting the following:

___ No objection to the proposed revision

___ Recommend the comments written hereon or attached

___ Recommend the approval be withheld until completion of further review

________________________________________   ________________
AUTHORIZED SIGNATURE                  DATE

_____________________________________
AGENCY NAME
Public notice of and request for comments pertaining to a proposed amendment of a wastewater prescription in Boston Township in the Cuyahoga Valley Interceptor Facilities Planning Area

The Cuyahoga Valley National Park (CVNP) has requested the County of Summit Department of Sanitary Sewer Services (DSSS) to revise the wastewater prescription for that part of the Boston Mills Historic District in Boston Township served by the constructed wetland treatment system owned and operated by the National Park Service (NPS) in the Cuyahoga Valley Interceptor (CVI) Facilities Planning Area (FPA). The NPS is requesting amendment of the wastewater prescription in the current 208 Plan for the area served by the constructed wetland to provide for sanitary sewer service to additional federally-owned CVNP properties in this existing service area. All other wastewater prescriptions in the CVI FPA remain unchanged.

Comments are requested prior to July 31, 2018.

Questions and request for additional information may be directed to Matt Calcei, Environmental Engineer II, County of Summit Department of Sanitary Sewer Services, 1180 S. Main St., Suite 201, Akron, Ohio 44301. Contact information is 330-926-2477 and mcalcei@summitoh.net.
Appendix 3-29

Cuyahoga Valley Interceptor
Facilities Planning Area (Summit County)

Update and Proposed Amendment
Cuyahoga Valley Interceptor Facilities Planning Area
208 Clean Water Plan

Areas Currently Served with Sanitary Sewers
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
Bath Township Water and Sewer District
Parks and Natural Areas
Lakes and Ponds

FPA Boundary
Basin Divide
Stream
Community Boundary
Highway
Road
Publicly Owned Wastewater Treatment Works (POTW)

* 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.

Northeast Ohio Four County Regional Planning and Development Organization, May 14, 2014
Source: Ohio Department of Natural Resources, Division of Real Estate and Land Management, Summit County D.O.E.S.

Original Approved by the NEFCO General Policy Board
5/21/2014
3-29-2
Cuyahoga Valley Interceptor Facilities Planning Area

I. Existing Situation
   A. County/Basin:
      Cuyahoga and Summit/Lake Erie

   B. Facilities Planning Area:
      Cuyahoga Valley Interceptor - I

   C. Designated Management Agency:
      I. Primary DMA
         a) Northeast Ohio Regional Sewer District (NEORSD)
      II. Secondary DMA
         a) Summit County Department of Sanitary Sewer 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).

   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

Original Approved by the NEFCO General Policy Board
5/21/2014
3-29-3
H. Contact Person/Address/Phone/Fax:
Devona Marshall
Planning Manager
NEORSD
3900 Euclid Avenue
Cleveland, Ohio 44115-2504
Phone: (216) 881-6600
Fax: (216) 881-2738

Mr. Michael Weant, Director
Summit County Department of
Sanitary Sewer 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. Kevin Powell
Asst. Public Works Supt.
1769 Georgetown Road
Hudson, Ohio 44236
Phone: (330) 342-1748
Fax: (330) 650-2534

Ms. Melanie Baker
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.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved</td>
<td>29,005</td>
<td>29,287</td>
<td>29,808</td>
<td>30,387</td>
<td>-----</td>
<td>-----</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 Summit County Department of
Environmental Services, May 1, 2000, Richfield Village, July 13,1999, Northfield
Summit County Department of Sanitary Sewer 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 Served by the Cuyahoga Valley National Park’s Constructed Treatment Wetland in Boston Township (yellow):
This area is within the Cuyahoga Valley National Park (CVNP) and has a constructed wetland treatment system owned and operated by the National Park Service. The constructed wetland treatment system was initially designed to be a non-discharging system; however, a future discharge point was incorporated in the design. Due to changing weather patterns which resulted in record rainfalls in 2011, the CVNP determined that the system will need to discharge into the Cuyahoga River during years of excessive rainfall.

The treatment and conveyance system was designed to serve the CVNP’s properties. The CVNP’s properties served by the constructed wetland have frontage along the following roads:

- Boston Mills Road - between Riverview Road and Hines Hill Road
- Stanford Road – in Boston Township
- Hines Hill Road – from intersection with Boston Mills Road north 1,200 feet

Properties Privately-owned properties with frontage along these roads not currently connected to the constructed wetland are not permitted to connect to the CVNP’s conveyance system. Properties Privately-owned properties in this area must be served by an existing publicly-owned treatment works (POTW) or an on-site non-discharging treatment system.

Should a POTW serve this area in the future, the current constructed wetland conveyance system will be connected to the POTW system, if feasible. If the flow from Park properties is diverted to a POTW, the constructed wetland treatment system will be taken out of service.
Areas To Be Served by the Cuyahoga Valley National Park’s Constructed Wetland Treatment System in Boston Township (orange):
This area is within the Cuyahoga Valley National Park (CVNP) which has a constructed wetland treatment system owned and operated by the National Park Service. This treatment and conveyance system has been designed to serve CVNP’s properties. The CVNP’s properties to be served by the constructed wetland have frontage along Boston Mills Road between Riverview Road and Hines Hill Road.

Should a POTW serve this area in the future, the current constructed wetland conveyance system will be connected to the POTW system, if feasible. If the flow from Park properties is diverted to a POTW, the constructed wetland treatment system will be taken out of service.

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 HSTSs 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 HSTS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable to assure there will be no off-lot discharge of effluent. 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. Exceptions may be (granted/requested) based on sewer availability, soil conditions, extent of failure, and cost of repair. Failing
home sewage treatment systems (HSTs) 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 HSTs, or new residential house construction in remote areas may use HSTs 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 (NEORSD). 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 HSTs, or new single-family residential house construction in remote areas may use HSTs 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. 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 HST) single-family residential house construction may utilize HSTs 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 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 HSTs 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 HSTS) single-family residential house construction may utilize HSTs 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:
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 HSTs serving single-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02.