CITY OF
ELYRIA

KEVIN A. BRUBAKER, MAYOR

WASTEWATER POLLUTION CONTROL
1194 GULF ROAD
ELYRIA, OHIO 44035
(440)366-2211

April 30, 2025

Ohio Environmental Protection Agency
Division of Surface Water
NPDES Permit Unit
P.O. Box 1049
Columbus, Ohio 43216-1049

RE: ANNUAL COMBINED SEWER OVERFLOW REPORT – 3PD00034*MD

Dear Sir or Madam,

Enclosed, please find our Annual Combined Sewer Overflow Report for 2024. Please do not hesitate to contact me at (440) 366-2211 ext. 5120 if you have any questions or comments regarding this submittal.

Most Respectfully,
THE CITY OF ELYRIA, OHIO

Erin Stefek

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Collection System Superintendent
City of Elyria
Wastewater Pollution Control
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COMBINED SEWER SYSTEM OPERATIONAL PLAN
2024 COMBINED SEWER OVERFLOW ANNUAL REPORT

A. Introduction

This report is being submitted by the City of Elyria Wastewater Pollution Control (WWPC) Department to fulfill requirements outlined in the Combined Sewer Overflow (CSO) Operational Plan as submitted to Ohio EPA in November of 1996, the City's NPDES permit 3PD00034*MD, and the US EPA regulations in 40 CFR 122.38 pertaining to public notification requirements for CSO discharges to the Great Lakes Basin, which became effective on November 7, 2018. The period covered by this report includes January 1, 2024 through December 31, 2024.

B. Program Overview

The City of Elyria is in compliance with all recommendations outlined in the Nine Minimum Controls and Combined Sewer System Operational Plan, and requirements of the Consent Decree, United States and State of Ohio v. City of Elyria, Civil Action No. 1:22-cv-02026-DCN, effective January 10, 2023. Appendix C of the Consent Decree contains the Integrated Wet Weather Control Plan which supersedes all previous CSO Long Term Control Plan documents submitted to Ohio EPA. Accordingly, and as required in Part II D, E, and F of the City's NPDES permit, the Department is responsible for:

1. January 1, 2024 through December 31, 2024 under the reissued NPDES Permit 3PD00034*MD, inspection of all 29 combined sewer overflow (CSO) locations during wet weather events when the wastewater treatment plant reaches a total influent flow rate of 30 million gallons per day (MGD) during the rain event. The purpose of these inspections is to note whether or not CSOs are overflowing to storm sewer pipes that ultimately discharge to the Black River. In the event that an overflow is occurring, the estimated duration of overflow and the estimated volume of overflow is recorded. (Whenever a CSO/SSO location is visually observed to be overflowing, the initial and supplemental public notifications are sent out as per 40 CFR 122.38).

2. Post-rain inspections are performed after rain events that cause the wastewater treatment plant total influent flow rate to exceed 30 MGD. These inspections are performed at all CSO locations. When debris is observed in the channel, or if the level in the channel appears to be abnormally high (indicating a possible partial plug downstream of the manhole), the sewer maintenance crew is notified, the debris is removed and the combined sewer is cleaned.

3. Monthly dry-weather inspections of all CSO regulators are performed to identify those regulators and combined sewers which may need cleaning prior to the development of a problem. Even partial plugging of combined sewers may cause sewage to back up and result in an unnecessary overflow during minimal rain events. If any unusual observations are made at a CSO location, the sewer maintenance crew is called to jet-clean the combined sewer. Dry-weather overflows are not permitted. Whenever a dry-weather overflow is observed, a sample is obtained, if possible, from the storm side of the regulator and is sent to the wastewater plant lab for appropriate analyses per the City's NPDES permit. In addition, the sewer maintenance crew is contacted immediately to clean the combined sewer and regulator to stop the overflow from occurring. The Collection System Management will be immediately notified of the dry-weather overflow. The Collection System Management will notify the Division of Surface Water at

Ohio EPA's Northeast District Office in Twinsburg, Ohio by phone and will follow up with an email and written letter describing the event. The initial and supplemental public notifications would also be sent out as per 40 CFR 122.38.

4. Evaluation of all CSO regulators to identify regulators in need of repair. These evaluations are performed during the monthly dry-weather inspections. A list of recommended repairs is sent to the Collection System Management and the City Engineer. All repairs to the regulators are made by a contractor through the City Engineer's Office, upon notification.

5. Develop a sampling program for different locations on the Black River in the event that excessive E. coli levels are observed upstream of the wastewater treatment plant. In accordance with the current NPDES permit, plant personnel test the Black River upstream of the plant outfall for E. coli bacteria during the months of June through August. The department has identified numerous sampling locations on the East and West branches of the Black River and on the main stem of the river after the confluence in the event that such sampling is required. If high E. coli levels are detected at any of these sampling locations, samples are taken upstream of that location to identify the source of contamination and corrective actions are taken.

6. Post and maintain signs at public access points and sensitive areas on the Black River that could be potentially impacted by discharges from combined sewer overflows. The only potential public access points to the Black River in Elyria are at the bridges over the river, Cascade Park, and Elywood Park. Signs are posted at these locations to warn the public that combined sewer overflows exist upstream and downstream of those areas. Additional signs are posted on streets that dead-end on the east and west branches of the river. The area from the dead-end of the streets to the river is private property. The signs are posted at the dead-end to warn residents who live on those streets. City ordinance 521.11 prohibits swimming in the Black River at all times within the corporation limits of the City. A sign referencing this ordinance is posted with each CSO warning sign. There is also a canoe and kayak launch at Bur Oak Park north of Elyria in Sheffield Township. This was identified as a potential sensitive area and a CSO warning sign is posted and maintained at this location as well. Bur Oak Park is part of the Lorain County Metro Parks system. The Lorain County Metro Parks also have laws prohibiting swimming in the river throughout their park system. Cascade Park, Elywood Park, and Bur Oak Park have been identified as potential sensitive areas. All signs are compliant with the requirements in 40 CFR 122.38. They are inspected periodically and replaced as needed. A list of sign locations is provided at the end of this report.

7. Provide a method to notify the local public health agency, residents, and any interested parties whenever combined sewer overflows are active, as per 40 CFR 122.38. The Initial notification must be made within four hours of becoming aware of an active CSO overflow and must contain information, including the date and time the overflow started, location of the discharge, water body receiving the discharge, public access areas potentially impacted, and contact information. A Supplemental Notification must also be provided within seven days after the overflow has ended. The purpose of the supplemental notification is to provide information concerning the estimated volume and duration of the overflow, as well as the amount of precipitation received that contributed to the overflow. The City has developed a CSO Public Notification email list for these notifications. Residents, interested parties, and agencies can sign up to be on the email list by sending an email request to the Collection System Superintendent at estefek@cityofelyria.org. Data pertinent to this section is provided

at the end of this report. The City's CSO Public Notification Plan is available on the Wastewater Department page of the City's website at http://www.cityofelyria.org/department/wastewater/combined-sewer-overflow/.

C. 2024 Data Review

1. In 2024, there were thirty-six (36) precipitation events that resulted in ninety-two (92) CSO wet-weather overflows at fourteen (14) locations. Data recorded for the period of January-May 2024 were all visually observed (CSO) overflow data with estimated volumes and approximate durations. Beginning June 2024 and forward, overflow monitoring data collected from equipment installed in accordance with City's Consent Decree requirements is used to record CSO data if possible.

2. In 2024, all of the CSO locations were inspected monthly during dry-weather. Of the 348 inspections, there were no dry weather overflows.

3. All of the CSO regulators were evaluated during 2024 and all remain in good condition. Overflow 133, Kerstetter Way @ Tremont Street was modified on May 31, 2024 to raise the weir and improve overflow monitoring characteristics. There were no other repairs to CSO regulators required in 2024.

4. None of the CSO locations have built-in devices for partial treatment of overflows. The older designs of the regulators and the outgoing storm pipes are not currently amenable for such devices.

5. The Wastewater Department provides pollution prevention information to the community via the City website (www.cityofelyria.org), by handing out fliers during the Elyria Apple Festival, through Lorain County Solid Waste District functions, newspaper advertisements, and flyers included with the utility bills mailed out to all Elyria residents. The major focus is on the City website and flyers included with the utility bills. This information discusses litter control, the proper disposal of grass clippings and leaves, and reasons for not dumping or placing anything into catch basins. Information is also provided regarding the proper disposal of cooking grease, personal and baby wipes, diapers, feminine hygiene products, paper towels, household hazardous waste products, and other such items. A separate advertising campaign was launched to instruct residents, agencies and other interested parties about the existence of the combined sewer overflows and how to receive public notification emails whenever combined sewer overflows are found to be active. Anyone interested in receiving these public notification emails can send an email request to the Collection System Superintendent at estefek@cityofelyria.org. All of this information is also included in the Consumer Confidence Report (CCR) mailed annually to residents by the City of Elyria Water Pumping Plant. Many times, residents will call the plant directly to ask questions or express concerns and will be provided any information they require. The City of Elyria continues to maintain the current street sweeping program, placing extra emphasis on the combined sewer areas in order to minimize road grit and solids from entering the combined and storm sewers during rain events. The Elyria Sanitation Department operates a recycling program with the Lorain County Landfill for items such as, newspapers, magazines, cardboard, food and beverage cans and bottles. Barnes Nursery has a drop-off station located at 45 Chestnut Street, close to City Hall, where residents can drop off yard waste for recycling at no cost to residents. Brown paper yard bags can be picked up at City Hall, the Sanitation Department, or at the drop-off center.

D. Additional Nine Minimum Controls Compliance Actions

The Wastewater Department performs a variety of additional tasks to comply with the nine minimum controls for CSOs and Operational Plan, which help minimize activation of overflows. These tasks include:

1. Maintaining a grease trap inspection program to verify that restaurants, industries, church halls and other social clubs/organizations are maintaining their grease traps and interceptors with a frequency that will prevent grease from entering the sanitary sewer system. Restaurant owners and personnel are educated on the importance of preventing grease from entering the sewer, the negative impacts that grease buildups can have on the proper functioning of the sewer systems, and on the proper maintenance of their grease traps. Any facility that is found to have excessive grease in the effluent of the grease trap or interceptor is issued a Notice of Violation and fined a minimum of $100.00. Chronic violations result in escalated enforcement by the City of Elyria Water Pollution Control Board.

2. Increased cleaning frequencies of the sanitary sewer collection system in the Midway Mall, Chestnut Commons and other areas in the city where there are numerous restaurants concentrated that discharge to a particular main in the sanitary sewer collection system. The increased cleaning helps to prevent problems and maximizes the use of the collection system.

3. Frequent cleaning of the smaller siphons in the sanitary sewer collection system to ensure that the siphons are flowing efficiently, preventing backups of sewage in these areas and maximizing the use of the collection system.

4. Cleaning and televising the sanitary and combined sewers. The combined sewers on the City's South side are cleaned on a more frequent basis due to the accumulation of grit in these sewers. Keeping both the sanitary and combined sewers clean decreases the probability of plugs in these sewers and maximizes the capacity of the sewer collection systems, preventing sewage backups and overflows.

5. Cleaning and televising the area storm sewers while cleaning the sanitary sewers. Keeping the storm sewers open and in good repair reduces the ponding of water on the ground, which reduces infiltration of storm water into the sanitary sewers.

6. Following a rotational schedule for cleaning the tops of catch basins throughout the year. All catch basin tops are cleaned several times in a typical year. The storm pipes from the catch basins are cleaned while cleaning the sanitary and storm sewers in the area.

7. Handing out the Water Environment Federation (WEF) brochures for proper disposal of grease and wipes in residential areas whenever collection system maintenance crews find high levels of grease or the presence of wipes in the sanitary and combined sewers.

A status update on all of the nine minimum controls for CSOs is provided at the end of this report.

E. Implementation of CSO Long Term Control Plan

In November 2008, pursuant to its NPDES permit, the City of Elyria submitted to Ohio EPA a proposed Combined Sewer Overflow Long Term Control Plan ("2008 Draft LTCP"), a Sewer System Characterization Report, and a proposed System Evaluation and Capacity Assurance Plan (SECAP). In May 2011, Elyria submitted to Ohio EPA a Wet Weather Plan Summary and Proposed Schedule that consolidated projects from the 2008 Draft LTCP, the 2008 SECAP, and a 2011 Evaluation of Feasible Alternatives to Wet Weather Bypasses (the "2011 Wet Weather Control Plan"). Subsequently, Elyria worked closely with Ohio EPA and US EPA to develop a comprehensive Integrated Wet Weather Control Plan that updates the 2011 Wet Weather Control Plan and identifies numerous WWTP and Sewer System improvements. The integrated Wet Weather Control Plan was approved by Ohio EPA and US EPA as Appendix C of the final Consent Decree in *United States and State of Ohio v. City of Elyria*, Civil Action No. 1:22-cv-02026-DCN, effective January 10, 2023. The integrated Wet Weather Control Plan now serves as the City's Long Term Control Plan and is intended to satisfy the requirements of US EPA's Combined Sewer Overflow Control Policy.

A summary of the status of implementation of Integrated Wet Weather Plan projects (CSO Long Term Control Plan) and description of key milestones remaining to complete the plan is presented in the attached table. Upon completion of projects that make up the Integrated Long Term Control Plan, the average annual number of CSO discharges in a typical year is anticipated to be ≤ 4 CSOs and total volume of CSO discharges from all CSOs less than a total of 6 million gallons (MG).

For additional information concerning this report, please contact:

Erin Stefek
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Wastewater Pollution Control
(440) 366-2211 Ext. 5120
estefek@cityofelyria.org

CSO INSPECTION POLICY

A. DRY WEATHER INSPECTIONS

1. All current combined sewer overflow locations will be inspected at least once a month. It cannot be raining during these inspections and the plant influent flow rate must be less than 8 MGD. It will be noted whenever:

- there is an active overflow
- the flow in the channel is higher than usual
- there is debris that could obstruct the flow of sewage
- diversions, valves, etc. need to be repaired
- any other situation exists that is out of the ordinary

2. The CSO Inspection Notes Form will be used to log the CSO location, date, and pertinent remarks. If a location is clean and well maintained, record "OK" under remarks.

3. Inspection notes will be kept on file in the office of the Collection System Assistant Superintendent.

4. Whenever a dry weather overflow situation exists, a grab sample must be taken at the overflow location on the storm side of the regulator. The sewer maintenance crew must be contacted immediately to clean the sewer line upstream and downstream from the overflow manhole. The grab sample will be tested by the lab for CBOD5 and total suspended solids. The duration, volume, and number of occurrences per month will also be recorded. The Collection System Management will be notified immediately whenever a dry weather overflow is discovered so that timely notifications can be made to Ohio EPA and to the CSO public notification email list.

5. In the event of a dry-weather overflow, the Collection System Management will call Ohio EPA, Northeast District Office (800-686-6330) to notify them of the overflow and follow up with an email and written letter.

B. WET WEATHER INSPECTIONS

1. When the wastewater treatment plant total raw sewage flow rate reaches 30 MGD during a rain event, the plant operators will notify the appropriate personnel as soon as possible, no matter what time of day or night.

2. Department personnel will immediately go out and visually inspect all CSO locations during each storm event.

3. On the Wet Weather CSO hand sheets, list the date, the time of arrival at each, and record "Dry" or "Overflow". In the event of an overflow, estimate the height of the water overflowing the weir to the storm pipe, and the inches of weir that water is flowing over, and record on the hand sheets. Estimated volumes will later be calculated using the weir length, and height of flow over the weir using Manning's Equation.

4. The initial CSO public notification email must be sent out within four (4) hours of becoming aware of an active CSO. The supplemental CSO public notification email must be sent out within seven (7) days of the end of the overflow.

5. Wet weather overflow activity will be reported in the electronic Daily Monitoring Report (eDMR) that is sent to Ohio EPA.

C. POST RAIN CSO INSPECTIONS

1. All CSO locations will be inspected after each rain event that results in a wastewater treatment plant influent flow rate of 30 MGD or greater. These inspections are to be done on the next regular work day after the rain event, and when the total plant influent flow rate is less than 8 MGD.

2. The CSO Post Rain Event Inspection Form will be used to record notes in the same manner as for the dry weather inspections detailed above.

3. Notify the sewer maintenance crew whenever debris has accumulated in the channel of a CSO location or whenever the flow in the channel appears to be higher than usual so that the combined sewer can be cleaned before a complete plug develops in the line resulting in a dry-weather overflow.

4. In the event that a dry weather overflow is discovered, collect a sample from the storm side of the regulator for submission to the lab for TSS and CBOD5 testing. Contact a Collection System Manager immediately to have the combined sewer and regulator jet-cleaned to eliminate the dry weather overflow. Estimate the duration and volume of the overflow using the same procedure as for wet weather events. Notify the Collection System Management so that timely notifications can be made to Ohio EPA and to the CSO public notification email group, as detailed above.

D. REPORTING

1. All CSO wet-weather inspection data and dry weather overflow data, if any, will be reported to Ohio EPA in the monthly electronic Daily Monitoring Report (eDMR).

2. All CSO data and other pertinent information for a calendar year will be reported in the Annual CSO Report. The annual report is sent to Ohio EPA's Northeast District Office and Central Office. The report will also be posted to the Wastewater Department page of the City of Elyria website at www.cityofelyria.org. A link to the report will be provided to US EPA as per 40 CFR 122.38. A notification email will be sent to the CSO Public Notification email group advising the interested parties and agencies that the annual report has been posted, and a link to the web page will be provided in the email.

City of Elyria CSO Nine Minimum Controls – Revised April 2023

The City of Elyria operates and maintains its combined sewer collection system in accordance with the U.S. EPA's 1994 nine minimum controls (*Federal Register / Vol.59, No.75 / Tuesday, April 19, 1994 / Notices* Section II B. page 18691). A brief description of the controls and Elyria's activities for compliance with this regulation follows:

NMC-1: Reducing CSO Overflows through Operation & Maintenance

Elyria continues to implement its Collections System Operations and Maintenance Program for the combined sewer, separate sanitary sewer and storm sewer systems in accordance with the City's Capacity, Management, Operations, and Maintenance Plan submitted to USEPA and Ohio EPA on January 10, 2024 as required in Appendix E of the City's Consent Decree Case: 1:22-cv-02026 Filed: January 10, 2023. The combined sewers are cleaned annually and more often when CSO post-rain or dry-weather inspections indicate that additional cleaning is required. All regulators are checked for deterioration on a monthly basis and are repaired as needed. All sanitary sewers 42-inches or less in diameter are currently cleaned on approximately a three-year rotation and the storm sewers are cleaned on approximately a five-year rotation. Sewers with diameters greater than 42-inches are cleaned by contractors. The City keeps a list of known problem areas, such as the smaller siphons and areas that have recurrent root-intrusion issues. These areas are cleaned and root-cut twice per year. The Industrial Pretreatment Department has an aggressive grease trap/interceptor inspection program. Any food service establishment (FSE) found to have excessive grease in the effluent from the trap or interceptor receives a Notice of Violation and is fined. Lorain County Public Health is notified of any FSE that is not properly maintaining the grease traps or interceptors. Sanitary sewers in areas where several FSEs are located are cleaned more frequently to maintain sewer capacity. This, and more, is done to maximize the use of the sanitary and combined sewer collection systems, prevent premature activation of overflows during wet weather, and to prevent dry weather overflow activations.

NMC-2: Storing CSO Overflows in the Collection System

Elyria maximizes storage in the collection system through its aggressive sewer cleaning regimen as detailed in the Collection System Operations and Maintenance Program. Large diameter sewers with diameters greater than 42 inches are cleaned by contractors. Elyria completed the East Avenue Relief Sewer Project in September 2018, which resulted in the replacement of several old combined sewers on East Avenue with two side-by-side 72-inch barrel pipes with a restrictor plate designed to store combined sewer flows from the East Avenue area during wet weather events. This project has reduced CSO overflow activations in this area.

NMC-3: Reduction of CSO Impacts through the Pretreatment Program

The Elyria Pretreatment Department continues to monitor industrial discharges. There is one area that has a combined sewer that accepts flow from a commercial/industrial area which has one CSO regulator, CSO 130, located at the intersection of Furnace Street and Florence Court. There is one area that has a combined sewer that accepts flow from one significant industrial user and commercial/industrial area which has one CSO regulator, CSO-101, located at Washington Avenue and Glenwood Street. Neither of these locations overflowed in 2024, even in the heaviest of rain events. As noted in NMC-1 above, the Industrial Pretreatment Department routinely inspects grease traps and interceptors at food service establishments (FSEs). Any FSE found to have grease in the effluent from the trap/interceptor receives a Notice of Violation and is fined. Lorain County Public Health is notified of any FSE that is not properly maintaining the grease traps or interceptors.

NMC-4: Maximizing Flow to the Treatment Plant

The sanitary and combined sewer maintenance program ensures that all sewers are able to convey the maximum flow volumes possible to the Elyria wastewater treatment plant (WWTP). The storm sewer maintenance program ensures that rain waters are conveyed appropriately to the Black River, thus reducing the amount of possible infiltration into the sanitary sewers. Additionally, the West Side Interceptor (WSI) was designed to have excess capacity and the City is making use of that additional capacity by moving wastewater flows from the smaller East Side Interceptor (ESI) to the West Side Interceptor. Completed projects that have taken advantage of the excess capacity of the WSI include building of the South East Interceptor which directs flows from the south east section of Elyria to the WSI, reversal of the Cascade Park siphon which removed excess flows from the ESI in the Middle Avenue/Washington Avenue/Ohio Street areas to the WSI during rain events, and the building of the Turner Street lift station, which took flows from the western downtown area and diverted them to the WSI. Elyria continues to operate the WWTP at its maximum treatable flow rate during wet weather flow conditions. In addition to the existing 1.75 MG wet weather holding tank, the City has converted two out of service intermediate clarifiers into wet weather storage tanks, providing an additional 1.8 MG of wet weather storage. Primary clarifiers 1-4 at the east side head works are also placed into service during wet weather increasing treatment capacity by 9 MGD during we weather. The City has projects planned at the WWTP that will increase the maximum treatable wet weather flows from 30 MGD to 40 MGD. These projects will take several years to complete.

NMC-5: Preventing Dry-Weather CSO Overflows

Once again there were no dry-weather overflow occurrences during 2024. The CSO Operational Plan includes several activities that are designed to prevent dry-weather overflows. In addition to inspecting CSO regulators during wet weather events, the City also performs post-rain inspections at all CSO regulators. If such materials are seen around the regulators, the sewer maintenance crew is called, the debris is removed and the combined sewer is cleaned.

Furthermore, during dry weather, all CSO regulators are checked monthly to make sure the regulators are clean and in good repair, and the flow in the combined sewer is at its normal low level. Higher than normal levels may indicate a partial plug in the combined sewer downstream of the regulator and the sewer maintenance crew would be called to clean the combined sewer.

NMC-6: Controlling Solids and Floatables in CSO Discharges

Twice annually, the City hires a street sweeping contractor to sweep the streets in the city. The City also has an ongoing anti-litter campaign. This program uses a multi-media approach where anti-litter messages are provided by newspaper, city website, utility bills, Consumer Confidence Report (CCR), selective mailings, and public events, such as the annual Apple Festival. As part of the East Avenue Relief Sewer project, green infrastructure bio-swales were constructed on East Avenue to capture and retain storm water, reducing the volume of storm water as well as the amount of street debris and grit entering the combined sewer system and contributing to CSO discharges. Accumulated debris is removed by City maintenance crews, as needed.

NMC-7: CSO Inspection, Monitoring and Reporting

Elyria continues to perform monitoring of CSOs visually. Collection system personnel are sent out to inspect the CSO regulators after the flow rate to the WWTP reaches 30 MGD. Studies were performed and data from several years was used to determine the optimal flow rate at the WWTP at which the CSO regulators should be inspected during wet weather events. CSO regulators are inspected during wet weather events, during the post-rain period, and during dry weather as mentioned in NMC-5 above. Beginning June 2024 and forward, overflow monitoring data collected from equipment installed in accordance with City's Consent Decree requirements is used to record CSO data if possible. If overflow monitoring data is not available we use visual inspection with estimated volume. Results from CSO wet weather inspections are reported monthly in the electronic discharge monitoring report (eDMR) submitted to Ohio EPA by the WWTP, and in the Annual CSO Report also submitted to Ohio EPA and USEPA. The City will continue to make available the Annual CSO Report to the public by posting it on the Wastewater Department page of the City's website, and will also inform the Director of USEPA as to the method by which the report is made public.

NMC-8: Pollution Prevention

The City of Elyria works with the Lorain County Solid Waste Management District to publicize information that discusses the proper disposal of household hazardous waste materials, such as motor oil, antifreeze, paint, lawn and garden products, insecticides, mercury-containing items, electronic scrap, and scrap tires. The City also works with the Barnes Nursery facility located near the downtown area to provide residents with a place to take brush, grass clippings and leaves. The City of Elyria Sanitation Department offers a curb-side recycling program and also has a brush truck that follows the regular trash and recyclable trucks on their regular routes through the city. As part of the City's Storm Water Pollution Prevention Plan, public outreach

materials pertaining to storm water quality issues are distributed to the public in the same manner as the anti-litter program materials discussed in NMC-6 above.

NMC-9: Public Notification

A public notification process was initiated with the submittal of the City's CSO Operational Plan in 1996. Signage was posted at the CSO outfalls on the East Branch of the Black River and at Cascade Park to notify the public of the presence and hazards of CSO discharges. The signs posted on the East Branch of the river did not last long due to the continual floating of large trees down river during the larger rain events. The signage at Cascade Park remained. Notification of the public continued annually with the submittals of the Annual CSO Reports. The original public notification process has been replaced with the action items listed in Section 7 of the City of Elyria CSO Public Notification Plan document, which can be found on the Wastewater Department's page of the City of Elyria website www.cityofelyria.org. New CSO Area warning signs have been posted on the bridges over the waters of the East and West Branches of the river, as well as throughout Cascade Park, Elywood Park and at the Bur Oak Park canoe launch. Swimming in the river is prohibited by City Ordinance 521.11. Signs providing details of this prohibition are posted at each of these same locations. There are no other access points to the river within the city corporation limits. The current combined sewer overflow public notification plan consists of an initial notification email that is sent out within four hours of the City becoming aware of an active combined sewer overflow. The initial notification provides the date and time the overflow started, the body of water receiving the overflow, and any sensitive areas that could be potentially impacted by the overflow. A supplemental notification email is sent out after the overflow(s) have stopped. The supplemental notification provides additional information, such as the estimated total volume and duration of the overflow, and the amount of precipitation that caused the overflow to occur. Residents, agencies, and other interested parties can sign up for the email notifications by sending an email request to the Collection System Superintendent of the Elyria Wastewater Pollution Control at estefek@cityofelyria.org. The email notification log for 2024 is attached within this report.

TABLE 1		COMBINED SEWER OVERFLOWS			NPDES: 3PD00034*MD
Station	ID Number	Description	Latitude	Longitude	Receiving Water
3PD00034045	100	Dilworth St. @ Gulf Rd.	41° 22' 47"	82° 05' 40"	Black River
3PD00034046	101	Washington Ave. @ Glenwood St.	41° 22' 44"	82° 05' 60"	Black River
3PD00034006	102	Columbus St. @ St. Clair St.	41° 22' 23"	82° 06' 13"	East Branch Black River
3PD00034007	103	Washington Ave. North of Bridge	41° 22' 08"	82° 05' 22"	East Branch Black River
3PD00034008	104	Washington Ave. @ Depot St.	41° 22' 04"	82° 06' 23"	East Branch Black River
3PD00034047	114	West Bridge St. @ the bridge	41° 22' 12"	82° 07' 02"	West Branch Black River
3PD00034011	120	Dewey Ave. @ Lorain Blvd.	41° 22' 40"	82° 07' 03"	Black River
3PD00034012	121	Bond St. @ Jefferson Alley	41° 22' 50"	82° 07' 14"	Black River
3PD00034013	130	Furnace St. @ Florence Ct.	41° 22' 35"	82° 06' 42"	Black River
3PD00034048	132	Lake Ave. @ Chestnut St.	41° 22' 18"	82° 06' 43"	West Branch Black River
3PD00034015	133	Kerstetter Way @ Tremont St.	41° 22' 16"	82° 06' 40"	East Branch Black River
3PD00034016	142	Fourth St. @ West Ave.	41° 21' 51"	82° 06' 37"	West Branch Black River
3PD00034018	145	West Ave. @ Elyria High School	41° 21' 45"	82° 06' 37"	West Branch Black River
3PD00034019	146	West Ave. @ Ninth St.	41° 21' 30"	82° 06' 38"	West Branch Black River
3PD00034020	150	East Ave. @ Fourth St.	41° 21' 50"	82° 06' 14"	East Branch Black River
3PD00034044	151	East Ave. / 4th St. Siphon Chamber	41° 21' 50"	82° 06' 13"	East Branch Black River
3PD00034021	152	Fifth St. @ East Ave.	41° 21' 46"	82° 06' 14"	East Branch Black River
3PD00034022	153	East Ave. @ Sixth St.	41° 21' 42"	82° 06' 14"	East Branch Black River
3PD00034025	158	Ninth St. @ East Ave.	41° 21' 30"	82° 06' 15"	East Branch Black River
3PD00034026	159	Gates Ave. @ East Ave.	41° 21' 27"	82° 06' 15"	East Branch Black River
3PD00034027	160	Howe St. @ East Ave.	41° 21' 21"	82° 06' 15"	East Branch Black River
3PD00034028	161	East Ave. @ George St.	41° 21' 21"	82° 06' 15"	East Branch Black River
3PD00034029	162	230 Wooster St.	41° 21' 19"	82° 06' 20"	East Branch Black River
3PD00034030	163	Wooster St. @ East Ave.	41° 21' 19"	82° 06' 16"	East Branch Black River
3PD00034031	164	1241 East Ave.	41° 21' 15"	82° 06' 15"	East Branch Black River
3PD00034037	182	Broad St. @ Water St.	41° 22' 04"	82° 06' 53"	West Branch Black River
3PD00035050	189	Lincoln St. @ Blaine St.	41° 21' 56"	82° 06' 04"	East Branch Black River
3PD00034051	190	East River St. @ Smith Ct.	41° 22' 16"	82° 05' 54"	East Branch Black River
3PD00034038	191	Buckeye St. @ East River St.	41° 22' 07"	82° 05' 47"	East Branch Black River

CHECKLIST #1

DATE:_____ TIME:_____ INIT:_____

_____Rain Event _____Dry Weather Checks _____Post-Rain Checks

STATION #	CSO#	LOCATION	DRY	OVER	INCHES OF WATER GOING OVER WEIR*	WEIR"	ACTUAL WEIR"**
3PD00034038	191	Buckeye St. @ East River St.				4"	
3PD00034050	189	Lincoln Ct. @ Blaine St.				64"	
3PD00034044	151	East Ave. @ Fourth St. (Siphon Chamber)				6"	
3PD00034020	150	East Ave. @ Fourth St.				14"	
3PD00034021	152	Fifth St. @ East Ave.				7"	
3PD00034022	153	East Ave. @ Sixth St.				18"	
3PD00034025	158	Ninth St. @ East Ave.				4"	
3PD00034026	159	Gates Ave. @ East Ave.				8"	
3PD00034027	160	Howe St. @ East Ave.				5"	
3PD00034028	161	East Ave. @ George St.				12"	
3PD00034029	162	Wooster St. (Mid-Block)				5"	
3PD00034030	163	Wooster St. @ East Ave.				6"	
3PD00034031	164	1241 East Ave.				15"	
3PD00034019	146	West Ave. @ Ninth St.				14"	
3PD00034018	145	West Ave. @ Elyria High School				12"	
3PD00034016	142	West Ave. @ Fourth St.				10"	
3PD00034045	100	Dilworth St. @ Gulf Rd.				30"	
3PD00034015	133	Kerstetter Way @ Tremont St.				6"	
3PD00034048	132	Lake Ave. @ Chestnut St.				24"	
3PD00034013	130	Furnace St. @ Florence Ct.				12"	

*MEASURE THE ***DEPTH*** OF WATER IN INCHES GOING OVER THE WEIR

MEASURE THE ACTUAL ***LENGTH* OF WATER IN INCHES GOING OVER THE WEIR

NOTIFY ERIN AND CHRIS IN THE EVENT ANY OVERFLOWS ARE GOING OVER

CHECKLIST #2

DATE:_____ TIME:_____ INIT:_____

_____Rain Event _____Dry Weather Checks _____Post-Rain Checks

STATION #	CSO#	LOCATION	DRY	OVER	INCHES OF WATER GOING OVER WEIR*	WEIR"	ACTUAL WEIR"**
3PD00034046	101	Washington Ave. @ Glenwood St.				36"	
3PD00034006	102	Columbus St. @ Saint Clair St.				6"	
3PD00034051	190	East River St. @ 1st m.h. South of Smith Ct.				30"	
3PD00034007	103	Washington Ave. (North of bridge)				14"	
3PD00034008	104	Washington Ave. @ Depot St.				3"	
3PD00034011	120	Dewey Ave. @ Lorain Blvd.				10"	
3PD00034037	182	Broad St. @ Water St.				8"	
3PD00034047	114	West Bridge St. (West of bridge)				32"	
3PD00034012	121	Bond St. @ Jefferson Alley				11"	

***MEASURE THE DEPTH OF WATER IN INCHES GOING OVER THE WEIR**

****MEASURE THE ACTUAL LENGTH OF WATER IN INCHES GOING OVER THE WEIR**

*****NOTIFY ERIN AND CHRIS IN THE EVENT ANY OVERFLOWS ARE GOING OVER*****

2024 CSO OVERFLOW DATA: JANUARY 2024 THROUGH DECEMBER 2024

AVERAGE	0.0494	1.9617
MAX	0.4726	12.4200
MIN	0.0001	0.08

DATE	NPDES STATION #	Elyria CSO ID	Location	Estimated Volume (MG)	Estimated Duration (Hrs)	Rainfall (inches)	Cause R-Rain S-Snowmelt
1/9/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0088	12.42	0.78	R
1/24/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0039	6.00	0.37	R,S
4/1/2024	3PD00034050	189	Lincoln Ct. @ Blaine St.	0.0709	6.25	0.7	R
4/1/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0126	6.25	0.7	R
5/22/2024	3PD00034050	189	Lincoln Ct. @ Blaine St.	0.0080	2.00	0.72	R
6/2/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0003	0.58	0.18	R
6/5/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0114	0.58	0.38	R
6/5/2024	3PD00034019	146	West Ave. @ Ninth (9th) St.	0.0020	1.17	0.38	R
6/5/2024	3PD00034031	164	1241 East Ave.	0.0005	0.08	0.38	R
6/5/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0445	1.58	0.38	R
6/18/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0363	0.50	0.32	R
6/18/2024	3PD00034019	146	West Ave. @ Ninth (9th) St.	0.0021	0.33	0.32	R
6/18/2024	3PD00034027	160	Howe St. @ East Ave.	0.0007	0.25	0.32	R
6/18/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0315	0.50	0.32	R
6/23/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0047	0.42	0.19	R
6/23/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0064	0.50	0.19	R
6/25/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0003	0.50	0.11	R
6/26/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0005	0.50	0.38	R
6/26/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0040	2.92	0.38	R
6/29/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0128	1.08	0.39	R
6/29/2024	3PD00034019	146	West Ave. @ Ninth (9th) St.	0.0191	1.00	0.39	R
6/29/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0265	1.50	0.39	R
7/4/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0198	1.25	0.29	R
7/4/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0553	1.58	0.29	R
7/10/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0102	0.50	0.39	R
7/10/2024	3PD00034019	146	West Ave. @ Ninth (9th) St.	0.0088	0.92	0.39	R
7/10/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0012	0.75	0.39	R
7/14/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0074	0.33	0.09	R
7/16/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0079	0.42	0.14	R

DATE	NPDES STATION #	Elyria CSO ID	Location	Estimated Volume (MG)	Estimated Duration (Hrs)	Rainfall (inches)	Cause R-Rain S-Snowmelt
7/16/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0183	0.50	0.14	R
7/29/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0370	0.75	0.45	R
7/29/2024	3PD00034019	146	West Ave. @ Ninth (9th) St.	0.0180	0.67	0.45	R
7/29/2024	3PD00034027	160	Howe St. @ East Ave.	0.0030	0.17	0.45	R
7/29/2024	3PD00034031	164	1241 East Ave.	0.0100	0.25	0.45	R
7/29/2024	3PD00034050	189	Lincoln Ct. @ Blaine St.	0.0160	1.50	0.45	R
7/29/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0445	1.17	0.45	R
8/1-8/2/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0711	1.17	0.42	R
8/1-8/2/2024	3PD00034019	146	West Ave. @ Ninth (9th) St.	0.1944	3.00	0.42	R
8/1/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0388	0.58	0.42	R
8/2/2024	3PD00034047	114	W. Bridge St. @ Bridge	0.1558	0.83	1.39	R
8/2-8/3/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.3551	2.42	1.39	R
8/2-8/3/2024	3PD00034027	160	Howe St. @ East Ave.	0.0765	1.83	1.39	R
8/2/2024	3PD00034028	161	George St. @ East Ave.	0.0354	1.33	1.39	R
8/2-8/3/2024	3PD00034031	164	1241 East Ave.	0.1973	1.83	1.39	R
8/2/2024	3PD00034050	189	Lincoln Ct. @ Blaine St.	0.1139	3.55	1.39	R
8/2/2024	3PD00034051	190	E. River St. @ Smith Ct.	0.1580	1.33	1.39	R
8/2-8/3/2024	3PD00034038	191	Buckeye St. @ East River St.	0.2100	2.67	1.39	R
8/3/2024	3PD00034019	146	West Ave. @ Ninth (9th) St.	0.0197	0.58	0.58	R
8/6/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0136	1.17	0.33	R
8/6/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0286	0.67	0.33	R
8/17-8/18/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0806	1.33	0.58	R
8/17/2024	3PD00034019	146	West Ave. @ Ninth (9th) St.	0.0308	0.75	0.58	R
8/17/2024	3PD00034027	160	Howe St. @ East Ave.	0.0079	0.33	0.58	R
8/17/2024	3PD00034031	164	1241 East Ave.	0.0320	0.58	0.58	R
8/17-8/18/2024	3PD00034038	191	Buckeye St. @ East River St.	0.1056	2.58	0.58	R
8/18/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0480	1.17	0.33	R
9/6/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0416	2.00	1.23	R
9/6/2024	3PD00034019	146	West Ave. @ Ninth (9th) St.	0.0141	2.17	1.23	R
9/6/2024	3PD00034027	160	Howe St. @ East Ave.	0.0012	0.25	1.23	R
9/6/2024	3PD00034031	164	1241 East Ave.	0.0018	0.25	1.23	R
9/6/2024	3PD00034050	189	Lincoln Ct. @ Blaine St.	0.0935	3.33	1.23	R
9/6/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0793	4.58	1.23	R
9/22/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0157	0.50	0.27	R
9/24/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0035	2.33	0.59	R
9/27-9/28/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0728	1.50	0.38	R
10/1/2024	3PD00034019	146	West Ave. @ Ninth (9th) St.	0.0046	0.42	0.25	R
10/1/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0032	1.08	0.25	R

DATE	NPDES STATION #	Elyria CSO ID	Location	Estimated Volume (MG)	Estimated Duration (Hrs)	Rainfall (inches)	Cause R-Rain S-Snowmelt
10/13/2024	3PD00034019	146	West Ave. @ Ninth (9th) St.	0.0081	0.50	0.86	R
10/13/2024	3PD00034050	189	Lincoln Ct. @ Blaine St.	0.0886	2.33	0.86	R
10/13/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0478	2.67	0.86	R
10/15/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0298	3.33	0.57	R
11/6/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0035	0.17	0.27	R
11/10/2024	3PD00034031	164	1241 East Ave.	0.0042	1.67	0.51	R
11/14/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0080	2.17	0.56	R
11/25/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.0236	0.25	0.25	R
11/25/2024	3PD00034031	164	1241 East Ave.	0.0009	0.25	0.25	R
11/25/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0296	0.58	0.25	R
12/15/2024	3PD00034038	191	Buckeye St. @ East River St.	0.0055	2.92	0.45	R
12/29/2024	3PD00034045	100	Dilworth St. @ Gulf Rd.	0.4726	2.42	1.62	R
12/29/2024	3PD00034006	102	Columbus @ St. Clair	0.0012	3.17	1.62	R
12/29/2024	3PD00034008	104	Washington Ave. @ Depot St.	0.0002	3.17	1.62	R
12/29/2024	3PD00034015	133	Kerstetter Way @ Tremont St. under rail road bridge.	0.1425	2.50	1.62	R
12/29/2024	3PD00034018	145	West Ave. @ Elyria High School	0.0024	3.17	1.62	R
12/29/2024	3PD00034019	146	West Ave. @ Ninth (9th) St.	0.0436	2.25	1.62	R
12/29/2024	3PD00034025	158	Ninth @ East Ave.	0.0001	3.17	1.62	R
12/29/2024	3PD00034027	160	Howe St. @ East Ave.	0.0013	0.25	1.62	R
12/29/2024	3PD00034031	164	1241 East Ave.	0.0507	3.08	1.62	R
12/29/2024	3PD00034050	189	Lincoln Ct. @ Blaine St.	0.3033	11.08	1.62	R
12/29/2024	3PD00034051	190	E. River St. @ Smith Ct.	0.0003	0.25	1.62	R
12/29-12/30/2024	3PD00034038	191	Buckeye St. @ East River St.	0.1706	7.42	1.62	R
12/31/2024-1/1/2025	3PD00034050	189	Lincoln Ct. @ Blaine St.	0.0562	4.00	0.63	R
12/31/2024-1/1/2025	3PD00034038	191	Buckeye St. @ East River St.	0.1837	11.92	0.63	R

***Data recorded for the period of January-May 2024 were visually observed (CSO) overflow data with estimated volumes. Beginning June 2024 and forward, overflow monitoring data from the City's Consent Decree required overflow monitoring equipment is used when recording (CSO) overflow if possible. If overflow monitoring data is not available we use visual inspection with estimated volume.**

2024 Public Notification Email Tracker

Notified of CSO Overflow		Initial Notification Email Sent		Supplemental Notification Email Sent		Overflow Duration
Date	Time	Date	Time	Date	Time	Hours
1/9/2024	1045	1/9/2024	1105	1/10/2024	1313	12.42
1/24/2024	1445	1/24/2024	1454	1/25/2024	0948	5.00
4/1/2024	0700	4/1/2024	0705	4/1/2024	1430	6.25
4/2/2024	0000	4/2/2024	0140	4/5/2020	0900	16.00
4/11/2024	0345	4/11/2024	0409	4/12/2024	0948	19.00
5/22/2024	2330	5/22/2024	2353	5/23/2024	0835	2.00
8/2/2024	2230	8/2/2024	2303	8/5/2024	0828	3.55
9/6/2024	2045	9/6/2024	2055	9/9/2024	0752	4.00
10/13/2024	0630	10/13/2024	0655	10/15/2024	0914	2.67
11/14/2024	1040	11/14/2024	1050	11/14/2024	1310	2.17
12/29/2024	0750	12/29/2024	0752	12/31/2024	0756	3.17

CITY OF ELYRIA
CSO PUBLIC NOTIFICATION PLAN
TABLE OF CSO SIGNAGE LOCATIONS

LOCATION	DESCRIPTION	NO. SIGNS
Black River, East Branch		
Fuller Road Bridge	NE Corner	1
	NW, SW and SE Corners - No Access	
Riverdale Court	At the Dead End of Street	1
Wolf Court	At the Dead End of Street	1
Elizabeth Street	At the Dead End of Street	1
East 4th Street Bridge	NE and NW Corners	2
	SE and SW Corners - No Access	
Broad Street Bridge	No Access	
East Bridge Street Bridge	NE and NW Corners	2
	SE and SW Corners - No Access	
Smith Court	At the Dead End of Street	1
Washington Avenue Bridge	NE and NW Corners	2
	SE and SW Corners - No Access	
Black River, West Branch		
Mussey Avenue Bridge	No Access	
Riverside Drive @ 12th Street	On river side of 1140 Riverside Drive	1
Riverside Drive @ 11th Street	On river side of intersection	1
3rd Street Bridge	All four corners	4
2nd Street Bridge	All four corners	4
	NW Corner of Metroparks Bike Trail	1
West Bridge Street Bridge	NE and SE Corners	2
	SW and NW Corners - No Access	
Lake Avenue Bridge	No Access	
Two Falls Trail - Off Lake Avenue	Trail to old mill/powerhouse by overlook	1
Black River Main Stem		
Cascade Park, Duck Area	Entrance path to duck feeding area	1
Cascade Park @ CSO 013 Outfall	The storm outfall pipe at the river	1
Cascade Park, Ford Area	Entrance to the ford	1
Elywood Park, Ford Area	Entrance to the ford	1
Cascade Park, 19 Acres Area	Northernmost tip at the river	1
Bur Oak Park Canoe/Kayak Launch	Canoe/Kayak Unloading Area	1
Total Number of Signs Posted		**31**

Implementation Status – December 31, 2024
Long Term Control Plan / Integrated Wet Weather Control Plan Projects

Control Measures		Description of Control Measures	Critical Milestone for Achievement of Full Operation	Status
1	East Side Relief Sewer (ESRS)	Finish construction of the ESRS, which is the sewer system that will provide flow relief to the East Side Interceptor.	Phase 1: 12/31/24	Complete
			Phase 2: 12/31/28	In Progress
			Phase 3&4: 12/31/31	Not started
2	Overflow 132 Storm Sewer Construction and Rainfall Derived Inflow and Infiltration (RDI/I) Control	Within the Overflow 132 Corrective Action Area, disconnection of stormwater catches basins from the combined sewer and connection of the stormwater catch basins to the storm sewer.	12/30/24	Complete
3	Overflow N6 RDI/I Control, Construction of a New Lift Station, and Sewer System Improvements	1. Implementation of RDI/I work. 2. Installation of a second lift station to increase wet weather pumping capacity of the Overbrook Road Lift Station. 3. Increase size of gravity sewer at force main discharge **AFO extended from 12/31/24 to 3/31/25; force majeure affecting 2 & 3; US EPA approval letter dated 3/24/25.	1. 12/31/24	Complete
			2&3: 3/31/25	In Progress
4	Elyria wastewater treatment plant (WWTP) improvements	Implementation of the following improvements at the Elyria WWTP: 1. Increase wet weather flow conveyance capacity to the WWTP Intermediate Storage Tanks. 2. Upgrade the WWTP to provide a peak treatment capacity of forty million gallons per day (MGD).	12/31/26	In Progress

Control Measures		Description of Control Measures	Critical Milestone for Achievement of Full Operation	Status
5	Chemically Enhanced Primary Treatment (CEPT) and High-Rate Disinfection (HRD) ("CEPT/HRD")	Provide CEPT in the 1.6 MG wet weather storage tank (WWST) followed by HRD to treat flows that exceed the Elyria WWTP wet weather storage and WWTP treatment capacity.	12/31/34	In Progress
6	West Side Interceptor Relief Point Regulator Modification	Raising of the weir located at the West Side Interceptor (WSI) overflow relief point (a.k.a., Overflow WSI).	12/31/27	Not Started
7-1	Mussey Conveyance and Storage for Overflows 147 and 263	1. Construction of a relief sewer system, which is called the Mussey Conveyance, to reduce discharges from Overflows 147 and 263. 2. Construction of storage to reduce discharges from Overflow 147. 3. Construction of storage to reduce discharges from Overflow 263.	12/31/33	Not Started
7-2	Overflow 147 Storm Sewer Construction and RDI/I Control	Within the Overflow 147 Corrective Action Area: 1. Construction of new storm sewer. 2. Implementation of RDI/I control work.	12/31/37	Not Started
7-3	Overflow 263 Storm Sewer Construction and RDI/I Control	Within the Overflow 263 Corrective Action Area: 1. Construction of new storm sewer. 2. Implementation of RDI/I control work.	12/31/37	Not Started
8	St. Jude and Eastern Heights Neighborhoods RDI/I Control	Implementation of RDI/I control work in the St. Jude and Eastern Heights neighborhoods.	12/31/34	In Progress
9	Overflow 102 Storage	Construction of storage to reduce discharges from Overflow 102.	12/31/37	Not Started
10	West River Road Sanitary Sewer Bottleneck Removal	Replacement of existing sanitary sewer along West River Road to increase conveyance capacity.	12/31/37	Not Started
11	Overflow 120 Storage	Construction of storage to reduce discharges from Overflow 120.	12/31/37	Not Started
12-1	Overflow 133 Storage	Construction of storage to reduce discharges from Overflow 133.	12/31/40	Not Started
12-2	Overflow 133 RDI/I Control	Within the Overflow 133 Corrective Action Area, implementation	12/31/40	Not Started

Control Measures		Description of Control Measures	Critical Milestone for Achievement of Full Operation	Status
		of RDI/I control work.		
13	Overflow 146 Storage	Construction of storage to reduce discharges from Overflow 146.	12/31/37	Not Started
14	Overflow 182 Storage	Construction of storage to reduce discharges from Overflow 182.	12/31/37	Not Started
15	Overflow 121A Storm Sewer Construction and RDI/I Control	Within the Overflow 121A Corrective Action Area: 1. Construction of new storm sewer. 2. Implementation of RDI/I control work.	12/31/44	Not Started
16	Overflow 238 Storm Sewer Construction and RDI/I Control	Within the Overflow 238 Corrective Action Area, implementation of RDI/I control work.	12/31/44	Not Started
17	Overflow 239 Storm Sewer Construction and RDI/I Control	Within the Overflow 239 Corrective Action Area: 1. Construction of new storm sewer. 2. Implementation of RDI/I control work.	12/31/44	Not Started
18	Overflow 260A Relocation, Sewer System Improvements, and RDI/I Control	Within the Overflow 260A Corrective Action Area: 1. Abandonment and sealing of current Overflow 260A location. 2. Relocation of Overflow 260A. 3. Construction of new storm sewer. 4. Disconnection of stormwater catch basins from the combined sewer and connection to storm sewer. 5. Implementation of RDI/I control work.	12/31/40	Not Started
19	Overflow 312 RDI/I Control	Implementation of RDI/I control work in the Overflow 312 RDI/I Corrective Action Area.	12/31/40	Not Started
20-1	Hemlock Drive Pump Station Wet Well Expansion	Expansion of the Hemlock Drive Pump Station wet well capacity.	12/31/40	Not Started
20-2	Overflow 310 RDI/I Control	Implementation of RDI/I control work in the Overflow 310 Corrective Action Area	12/31/40	Not Started
21-1	Mendel Court Pump Station Wet Well Expansion	Expansion of the Mendel Court Pump Station wet well capacity.	12/31/40	Not Started

Control Measures		Description of Control Measures	Critical Milestone for Achievement of Full Operation	Status
21-2	Overflow N2 RDI/I Control	Implementation of RDI/I control work in the Overflow. N2 Corrective Action Area.	12/31/40	Not Started