2024 ANNUAL REPORT

COMBINED SEWER OVERFLOW NOTIFICATION PLAN

for the

City of Akron
Water Reclamation Services

CITY OF AKRON
WATER RECLAMATION SERVICES
2460 AKRON-PENINSULA ROAD, AKRON, OH 44313
Ph. 330-375-2963

2024 ANNUAL REPORT

COMBINED SEWER OVERFLOW NOTIFICATION PLAN

Table of Contents

Appendices

Introduction and Background

The City of Akron has developed a Combined Sewer Overflow Notification Plan (CSONP) to comply with the requirements of 40 C.F.R. § 122.38. This regulation requires that a permittee authorized to discharge combined sewer overflows ("CSOs") to the Great Lakes Basin must provide public notification, as described within the rule, as well as develop a notification plan.

The City of Akron's Water Reclamation Facility (WRF) and sewer collection system is regulated under a National Pollution Discharge Elimination System (NPDES) permit issued by the Ohio EPA (Permit #3PF00000). This permit authorizes the discharge of CSOs to surface waters at 26 locations within the system (Table 1).

The City of Akron sewer collection system includes both separate sanitary sewers and combined sewers (i.e. sewers that convey both sanitary and stormwater in the same pipe). The combined sewers are located within the older, central part of the City. The combined sewer system includes CSO discharge points that discharge to surface water when the flow exceeds the capacity of the combined sewers or storage facilities (basins and/or tunnels). Wet weather flows are diverted into storage facilities until the collection system has the capacity to accept and send the flow to the Water Reclamation Facility for treatment.

Intercepted flows at CSO Racks 6 and 32-35 are controlled by a "limiting pipe" located in the invert of the combined sewer at their connection point to the Little Cuyahoga Interceptor (LCI) or the Northside Interceptor (NSI). The "limiting pipe" functions as a static control device, which conveys dry weather flow, while limiting wet weather flow to the interceptor during rainfall events. The "limiting pipe" consists of a small diameter conduit connecting pipe to the receiving interceptor sewer. The pipe is covered with a horizontal bar rack to prevent clogging of the smaller diameter connection. The bar rack accounts for the name "Rack" that is given to each regulator.

The City is in the process of installing controls to reduce the volume and frequency of CSOs from the sewer system. The controls are being installed in accordance with a federal Consent Decree and a CSO Long Term Control Plan that has been approved by both the U.S. Environmental Protection Agency (USEPA) and the Ohio EPA.

Overview of the Annual Report

The USEPA adopted 40 C.F.R. §122.38 to implement section 425 of the Consolidated Appropriations Act of 2016, which requires U.S. EPA to work with the Great Lakes States to establish public notification requirements for CSO discharges to the Great Lakes Basin.

The requirements of the regulation include providing an Annual Report that is designed to describe and summarize the CSO discharges from the permittee's discharge point(s) that occurred in the previous calendar year. This Annual Report includes data for 2024.

Copies of the CSONP Annual Report will be posted to the CSO Notification web page at Overflow Status | Akron Waterways Renewed! and distributed to the following departments and functional positions:

- U.S. EPA (email sent to: NPDES_CSO@epa.gov)
- Ohio EPA, David Brumbaugh – Environmental Specialist II (Central Office)
- Ohio EPA, Courtney Grossman – Environmental Specialist II (Northeast District Office)
- Summit County Public Health, Health Commissioner
- Summit Metro Parks, Superintendent
- Cuyahoga Valley National Park
- City of Akron, Water Reclamation Services

- City of Akron, Director of Public Service
- City of Cuyahoga Falls, City Engineer

The elements that must be included within this Annual Report are set forth in 40 C.F.R. § 122.38(b) and the City's NPDES Permit #3PF00000 (Part II, Section F). Each required element is discussed in the following sections.

CSO Discharge Point Locations

A description of the location and receiving water for each CSO discharge point and, if applicable, any treatment provided;

Table 1. CSO Discharge Point Locations

Permit Outfall Number	Location	Latitude			Longitude			Receiving Water
		DEG	MIN	SEC	DEG	MIN	SEC	
3PF00000046	Rack 3 – Kelly Ave.	41	03	50.4	81	28	52.5	Little Cuyahoga River
3PF00000047	Rack 4 – Mill St.	41	05	01.1	81	31	13.0	Ohio and Erie Canal
3PF00000049	Rack 6 – Factory St.	41	03	54.1	81	29	04.8	Little Cuyahoga River
3PF00000053	Rack 10 – Case Ave. – Newton St. District	41	04	29.6	81	29	03.4	Little Cuyahoga River
3PF00000054	Rack 11 – Hazel St. – District 4	41	04	45.4	81	29	08.7	Little Cuyahoga River
3PF00000055	Camp Brook Storage Basin (Former Rack 12)	41	05	34.5	81	29	00.7	Camp Brook
3PF00000057	Forge Field Storage Basin (Former Rack 14)	41	05	07.6	81	29	43.1	Little Cuyahoga River
3PF00000058	Cascade Village Storage Basin (Former Rack 15)	41	05	26.7	81	30	15.8	Little Cuyahoga River
3PF00000059	Rack 16 – Wolf Ledges Trunk	41	04	44.8	81	31	22.5	Ohio and Erie Canal
3PF00000060	Rack 17 – Exchange St.	41	04	44.8	81	31	22.5	Ohio and Erie Canal
3PF00000061	Rack 18 – Willow Run Trunk	41	05	10.9	81	31	08.7	Ohio and Erie Canal
3PF00000062	Rack 19 – West Market St.	41	05	10.5	81	31	08.6	Ohio and Erie Canal
3PF00000065	Howard Street Storage Basin (Former Rack 22)	41	05	34.3	81	31	05.3	Little Cuyahoga River
3PF00000067	Rack 24 – West Market St Outlet @ Ravine St.	41	05	41.1	81	31	22.1	Little Cuyahoga River
3PF00000069	Rack 26 – Aqueduct St outlet East of Hickory St.	41	06	05.4	81	31	39.9	Little Cuyahoga River
3PF00000070	Rack 27 – Uhler Ave. @ Memorial Parkway	41	06	14.7	81	31	38.1	Little Cuyahoga River
3PF00000071	Rack 28 – Memorial Parkway @ Hickory St.	41	06	14.6	81	31	39.5	Little Cuyahoga River
3PF00000072	Rack 29 – Uhler Ave. – Carpenter St. Outlet	41	06	29.9	81	31	39.5	Little Cuyahoga River
3PF00000075	Rack 32 – Carpenter Heights District @ Cascade Park Rd.	41	07	09.6	81	31	14.6	Cuyahoga River
3PF00000076	Rack 33 – North Side Interceptor @ Cuyahoga River & Main St.	41	07	23.0	81	30	38.3	Cuyahoga River
3PF00000077	Rack 34 – Riverside Dr. District @ Metroparks Easement Rd.	41	07	23.6	81	29	54.7	Cuyahoga River
3PF00000078	Rack 35 – Gorge Blvd. District @ Front St. Bridge	41	07	04.4	81	29	37.6	Cuyahoga River
3PF00000080	Rack 37 – S. Main St. @ Lock 3	41	04	49.8	81	31	12.1	Ohio and Erie Canal
3PF00000081	Goodyear Retention Tank (Former Racks 2N & 2S)	41	03	33.8	81	28	29.2	Little Cuyahoga River
3PF00000083	Cuyahoga Street Storage Facility (Former Racks 31/40)	41	06	46.3	81	31	39.4	Little Cuyahoga River
3PF00000084	Ohio Canal Interceptor Tunnel (OCIT)	41	05	40.9	81	31	21.1	Little Cuyahoga River

CSO Occurrences and Overflow Volume

The date, location, approximate duration, measured or estimated volume and cause (e.g., rainfall, snowmelt) of each CSO discharge during the past calendar year.

CSO Occurrences and Overflow Volume are contained in Appendix A.

Dry Weather Overflows

The date, location, approximate duration, measured or estimated volume, and cause of each dry weather CSO discharge during the past calendar year.

There was one dry weather overflow at CSO discharge points in 2024.

Table 2. CSO Dry Weather Overflows

Date of Incident	Location Address/Structure Name	Duration In Hours	Estimated Volume In Gallons	Cause (FOG, Roots, etc.) * = added to PM trouble list	24-Hour Notification Provided to OEPA	Date of Written Notification
11/4/2024	CSO Rack 34	2-hr. 44-min.	27,600	CIPP liner material	11/5/2023	11/6/2024

Other CSO Monitoring

A summary of available monitoring data for CSO discharges from the past calendar year.

CSO Occurrences and Overflow Volume are contained in Appendix A.

All other CSO monitoring is required to be performed at five CSO discharge points during the recreation season (May – October) for total suspended solids, ammonia (NH3), E. Coli and CBOD5. For each of the five stations, a sample is collected and the data reported for the day when the discharge occurred. Sampling these parameters is required during normal working hours.

The following are the results from the monitoring at CSO discharge points from 2024.

Table 3. 2024 CSO Monitoring Data

Location	Outfall #	Date	TSS (mg/L)	CBOD5 (mg/L)	Ammonia (mg/L)	E Coli.
Rack 32	3PF00000075	5/9/2024	164	30.3	0.621	190000
Rack 32	3PF00000075	5/29/2024	400	59.5	4.96	>3,870,000
Rack 32	3PF00000075	6/26/2024	514	196	4.22	>3,870,000
Rack 33	3PF00000076	5/9/2024	460	115.4	5.04	2080000
Rack 33	3PF00000076	5/29/2024	416	96.8	5.84	2080000
Rack 33	3PF00000076	9/24/2024	191	41	2.46	1230000
Rack 40	3PF00000083	5/29/2024	92	26.2	2.4	927000
OCIT	3PF00000084	5/29/2024	65.5	14.5	1.53	441000

Public Access Areas

A description of any public access areas potentially impacted by each CSO discharge;

Summit Metro Parks recently completed a new river access area at the Valley View Metro Park at River Mile 42.2. Construction of the river access area began in June 2023 and was opened to the public in 2024. The Valley View Area park construction concentrated on the restoration of a nearly one-mile-long section of the Cuyahoga River and 195 acres of former golf course, while connecting visitors to the Ohio & Erie Canalway Towpath Trail and the Cuyahoga River Water Trail.

Representative Precipitation Data

Representative precipitation data in total inches to the nearest 0.1 inch that resulted in a CSO discharge, if precipitation was the cause of the discharge.

Precipitation data collected at the 13 City owned rain gauges is included in Appendix A.

Permittee Contact Information

Permittee contact information, if not listed elsewhere on the website where this Annual Report is provided; and

Permittee contact information is included on the CSO Notification Web page Overflow Status | Akron Waterways Renewed! and elsewhere on the Akron Waterways Renewed (AWR!) website.

Nine Minimum Controls Implementation

A concise summary of implementation of the nine minimum controls and the status of implementation of the long-term CSO control plan (or other plans to reduce or prevent CSO discharges), including:

The USEPA's Combined Sewer Overflow (CSO) Control Policy identifies nine minimum controls (NMC) that must be implemented to reduce CSO discharges and their effect on receiving waters.

<u>NMC #1 – Provide Proper Operation and Maintenance for the Collection System and Combined Sewer Overflow Points</u>

On a daily basis, the City inspects and cleans if necessary, static combined sewer overflow racks (bar screens), or regulating structures, in efforts to minimize the potential for dry weather overflow events from occurring. The CSO racks are remotely monitored via a Supervisory Control and Data Acquisition (SCADA) system that alerts the Water Reclamation Facility operator of a possible dry weather overflow event that may require immediate investigation.

In addition, the City inspects and cleans, if necessary, the sanitary and combined sewer system on a 5-year frequency. Specific segments are inspected and cleaned more often as a result of roots, fats, oils, and grease, or other operational defects.

NMC #2 – Provide Maximum Use of the Collection System for Storage of Wet Weather Flow Prior to Allowing Overflows

The City operates and maintains seven CSO storage basins and one storage and conveyance tunnel throughout the collection system that have the ability to store approximately 57.4 MG. One additional storage and conveyance tunnel, the Northside Interceptor Tunnel (NSIT), is scheduled to be placed in service by the end of 2026.

In addition, the City implements a real-time control decision support system to optimize the available capacity in both the collection system and at the Water Reclamation Facility during wet-weather events.

NMC #3 - Review and Modify the Pretreatment Program to Minimize the Impact of Non-Domestic Discharges from CSOs

The City of Akron implements an aggressive goal-oriented pretreatment program which has received commendation from the OEPA. The program undertakes the following measures to ensure continued compliance:

- Develop and initiate Pollution Prevention Programs with tributary industries
- Conduct industrial workshops
- Develop a work plan for integrated data management system for tracking pretreatment program activities
- Formalize spill response requirements with tributary industries
- Continuous updates to the City's industrial database, identifying major pollutant contributors upstream of overflows
- Establish and maintain a database of priority industries in terms of type of discharge, specifically hazardous or deleterious contaminants upstream of overflows
- Regular monitoring of the discharge of industries with particular emphasis on priority industries
- Ongoing enforcement of discharge reduction programs

NMC #4 - Maximize Flow to the Publicly Owned Treatment Works (POTW) for Treatment

The City inspects and cleans, if necessary, the sanitary and combined sewer system on a 5-year frequency. Specific segments are inspected and cleaned more often as a result of roots, fats, oils, and grease, or other operational defects.

In addition, the City implements a real-time control decision support system to optimize the available capacity in both the collection system and at the Water Reclamation Facility during wet-weather events.

NMC #5 - Prohibit CSO Discharges During Dry Weather

On a daily basis, the City inspects and cleans if necessary, static combined sewer overflow racks (bar screens), or regulating structures, in efforts to minimize the potential for dry weather overflow events from occurring. The CSO racks are remotely monitored via a Supervisory Control and Data Acquisition (SCADA) system that alerts the Water Reclamation Facility operator of a possible dry weather overflow event that may require immediate investigation.

NMC #6 - Control Solid and Floatable Materials in CSO Discharges

Floatable material and solids control exist at the majority of the CSO storage basins with the use of mechanically raked bar screens. This screening allows the majority of the floatables and solids to stay in the sewer system to be transported and removed at the Water Reclamation Facility.

NMC #7 – Conduct Required Inspection, Monitoring and Reporting of CSOs

On a daily basis, the City inspects and cleans if necessary, static combined sewer overflow racks (bar screens), or regulating structures, in efforts to minimize the potential for dry weather overflow events from occurring. The CSO racks are remotely monitored via a Supervisory Control and Data Acquisition (SCADA) system that alerts the Water Reclamation Facility operator of a possible dry weather overflow event that may require immediate investigation.

NMC #8 – Implement Pollution Prevention Programs that Focus on Reducing the Level of Contaminants in CSOs

As described in NMC #3, the City has established measures for pollution prevention at its regulated industries.

In addition, in 2013, a Fats, Oils, and Grease (FOG) control program was established to eliminate the discharge of FOG substances into the sewer system by Food Service Establishments (FSEs).

NMC #9 – Implement a Public Notification Program for Areas Affected by CSOs

The City developed a Combined Sewer Overflow Notification Plan (the "Plan") to comply with the requirements of 40 C.F.R. § 122.38. This regulation requires that a permittee authorized to discharge combined sewer overflows ("CSOs") to the Great Lakes Basin must provide public notification, as described within the rule, as well as develop a notification plan.

As part of its Plan, the City of Akron created a CSO Notification web page, which can be found at Overflow Status | Akron Waterways Renewed!, that the public can visit 24-hours per day to

learn if a CSO discharge(s) is occurring, or has occurred in the past. The Web Page will display the initial notification as soon as possible, but no later than four hours after the City becomes aware that a CSO discharge has occurred. Shortly after the end of the day in which CSO discharges have occurred, the web page will display supplemental information that includes the measured or estimated volume of discharge(s) and the approximate time(s) the discharge(s) ended.

Long-term CSO Control Plan (LTCP) Implementation

A description of key milestones remaining to complete implementation of the plan; and

A summary of the key milestones remaining to complete implementation of the LTCP is contained in the following table. A complete report on the status of implementation of the long-term CSO control plan is included in the "City of Akron Consent Decree Semi-Annual Report No. 30" in Appendix B.

A description of the average annual number of CSO discharges anticipated after implementation of the long-term control plan (or other plan relevant to reduction of CSO overflows) is completed.

After implementation of the long-term control plan, the performance criteria for all CSO Control Measures is to have zero untreated combined sewer overflows in the typical year, as defined by the Consent Decree.

Status of Implementation of the Long-Term Control Plan

Control Measure Location	Description	Critical Milestones	Progress During Reporting Period
Rack 3	Green infrastructure plus optimized conveyance	Bidding of Control Measure – June 30, 2018. Achievement of Full Operation – November 30, 2020.	The Court entered the Second Amendment to the Consent Decree December 17, 2019 which replaced the storage basin with Green infrastructure plus optimized conveyance. Kelly Conveyance (CSO Rack 3) Notice to Proceed was issued on December 5, 2019. Achievement of Full Operation occurred on November 9, 2020. Chittenden Green Project (CSO Rack 3) Notice to Proceed was issued on May 7, 2019. Achievement of Full Operation occurred on May 5, 2020. Duane Green Project (CSO Rack 3) Notice to Proceed was issued on January 14, 2020. Achievement of Full Operation occurred on November 25, 2020.

Control Measure Location	Description	Critical Milestones	Progress During Reporting Period
Rack 3	Develop and implement GI O&M Plans	Submit O&M Plan in accordance with Exhibit 7, no later than August 30, 2020	The City submitted the required GI O&M Plan on August 26, 2020. U.S. EPA provided the City of Akron with written comments to the GI O&M Plan on November 18, 2020 and the parties discussed U.S. EPA's comments on November 19, 2020. The City of Akron then revised the GI O&M Plan to address U.S. EPA's comments, and provided the revised version to U.S. EPA on December 10, 2020. On December 17, 2020, U.S. EPA informed the City of Akron that the revised plan was acceptable. The City will formally submit the revised O&M Plan. The City formally submitted the revised O&M Plan on January 27, 2021, and U.S. EPA subsequently issued a formal approval.
Rack 5 and 7	Green Infrastructure and Sewer Separation (Per Exhibit 3)	Bidding of Control Measure – October 31, 2015. Achievement of Full Operation – October 31, 2017.	Project complete. Achievement of Full Operation occurred on October 26, 2017.
Racks 10 and 11	Storage Basin(s)	Bidding of Control Measure – June 30, 2018. Achievement of Full Operation – December 31, 2020.	The Court entered the Second Amendment to the Consent Decree December 17, 2019 which increased the size of the storage basin from 2.5 to 4.5 MG. Project complete. Achievement of Full Operation occurred on July 23, 2020.
Rack 12	Storage Basin(s)	Bidding of Control Measure – November 30, 2014. Achievement of Full Operation – October 31, 2017.	Project complete. Achievement of Full Operation occurred on October 30, 2017.
Rack 14	Storage Basin(s)	Bidding of Control Measure – October 31, 2014. Achievement of Full Operation – April 30, 2017.	Project complete. Achievement of Full Operation occurred on January 3, 2017.

Control Measure Location	Description	Critical Milestones	Progress During Reporting Period
Rack 15	Storage Basin(s)	Bidding of Control Measure – November 30, 2013. Achievement of Full Operation – October 31, 2015.	Project complete. Project placed in service on October 30, 2015. Achievement of Full Operation occurred on February 17, 2016.
Rack 22	Storage Basin(s)	Bidding of Control Measure – October 31, 2015. Achievement of Full Operation – December 31, 2017.	Project complete. Achievement of Full Operation occurred on November 29, 2017.
Rack 26 and 28	Green infrastructure plus optimized conveyance	Bidding of Control Measure – October 31, 2021. Achievement of Full Operation – December 31, 2022.	The Court entered the Second Amendment to the Consent Decree December 17, 2019 which replaced the storage basin with Green infrastructure plus optimized conveyance. Construction of the Aqueduct Green Street Improvements project was completed on December 17, 2018.The Rack 26 construction was completed on December 19, 2022. The Rack 28 work was completed as a change order to the Rack 27 and 29 project to coordinate with other work on Memorial Parkway. Construction was completed on May 6, 2022. Project complete. Achievement of Full Operation occurred on December 22, 2022.
Rack 26 and 28	Develop and implement GI O&M Plans	Submit O&M Plan in accordance with Exhibit 7, no later than March 1, 2019	U.S. EPA issued an approval of the City's O&M Plan on October 23, 2019. GI performance reporting is provided in Appendix H.
Rack 27	Optimized conveyance	Bidding of Control Measure – January 31, 2018. Achievement of Full Operation – December 31, 2019.	The Court entered the Second Amendment to the Consent Decree December 17, 2019, which replaced the storage basin with optimized conveyance. The notice to proceed was issued on November 5, 2018. Project complete. Achievement of Full Operation occurred on December 21, 2019..

Control Measure Location	Description	Critical Milestones	Progress During Reporting Period
Rack 29	Optimized conveyance	Bidding of Control Measure – January 31, 2018. Achievement of Full Operation – December 31, 2019.	See Rack 27 above for project update.
Rack 36	Green Infrastructure and Sewer Separation (Per Exhibit 3)	Bidding of Control Measure – October 31, 2015. Achievement of Full Operation – October 31, 2017.	Project complete. Achievement of Full Operation occurred on October 30, 2017.
Racks 4, 16, 17, 18, 19, 20, 23, 24, 37	Ohio Canal Tunnel – Construct a 28-foot internal diameter tunnel, 5,500 feet in length, or any other combination of diameter and length that achieves the design criteria.	Bidding of Control Measure – April 30, 2014. Achievement of Full Operation – December 31, 2018.	Notice to Proceed was issued on November 6, 2015. The OCIT was placed into operation in stages. The racks controlled by the OCIT were tied into, and then controlled by, the OCIT beginning on March 3, 2020. As of May 29, 2020, over 90% of the flow from the racks was tied into and being controlled by the OCIT. The remaining racks were tied into the OCIT as of June 13, 2020. See table 2-3 below for the tie in dates of the racks and the associated percentage of total flow. Achievement of Full Operation occurred on June 29, 2020 with the submission of O&M Plans. Construction was substantially complete as of June 7, 2021.
Racks 16, 17, 18, 19, 20, 23, 24	Ohio Canal Tunnel – ACTIFLO™ Ballasted Flocculation Unit or equivalent technology that meets the Design and Performance Criteria and Disinfection.	Bidding of Control Measure – April 30, 2024. Achievement of Full Operation – October 31, 2027.	LTCP optimization was performed as part of the Integrated Plan in 2015. No advanced facilities planning or design activities were undertaken during the reporting period. The City updated the model to account for the actual OCIT configuration and engaged in flow monitoring activities to recalibrate the model. The parties engaged in multiple discussions regarding the reduced overflow volume at the OCIT and whether or not it is cost effective to treat the remaining overflows.

Control Measure Location	Description	Critical Milestones	Progress During Reporting Period
Racks 32, 33, 35	Northside Interceptor Tunnel -Construct a 16-foot internal diameter tunnel, 6850 feet in length or any other combination of diameter and length that achieves the design criteria (Amendment No. 3).	Bidding of Control Measure – April 30, 2023. Achievement of Full Operation – December 31, 2026.	The Court entered the Third Amendment to the Consent Decree November 28, 2023, which provided for a smaller 16-foot internal diameter tunnel. Construction is underway.
Rack 34	The Riverside Sewer Separation Project - Construction of new storm sewers in the North Hill neighborhood located along Riverside Drive and along streets that are located between Big Falls and Drexel Avenue. (Amendment No. 3).	Bidding of Control Measure – December 31, 2022 Sewer Separation Substantially Complete – December 31, 2024 Rack 34 Overflow Structure Eliminated – December 31, 2026 A preconstruction meeting was held. Work began on utility relocations and water main offsets.	The Court entered the Third Amendment to the Consent Decree November 28, 2023, which requires the separation of the Rack 34 combined sewers. Control Measure Advertised: November 15, 2022 Achievement of Substantial Completion – October 4, 2024
WPCS Phase 1	Upgrade conventional secondary treatment capacity to 130MGD by implementing step feed operation in Train 6, as described in Paragraph 10.A of the Consent Decree.	Bidding of Control Measure – October 31, 2011. Achievement of Full Operation – October 15, 2013.	Project complete (see Section 1.A of this Semi-Annual Report).
WPCS Phase 1	Upgrade conventional secondary treatment capacity to 130MGD by performing the upgrades identified in the Consent Decree in Section V.10.C.	Bidding of Control Measure – January 15, 2016. Achievement of Full Operation – October 15, 2017.	Since the Final Demonstration Testing Evaluation Report concluded that the step feed and clarifier upgrades to Unit 6 have achieved 30 MGD of wet weather treatment capacity, this Consent Decree item is not required.

Control Measure Location	Description	Critical Milestones	Progress During Reporting Period
WPCS Phase 1 BioACTIFLO™ Wet Weather Treatment Pilot Study (the "Pilot Study")	Conduct the Pilot Study in accordance with Exhibit 1 to this Long-Term Control Plan Update.	Pilot Study Start Date – May 1, 2012. Pilot Study Completion Date – November 30, 2013. Pilot Study Report submitted to EPA by December 31, 2013.	Study is complete. USEPA issued a concurrence letter on April 8, 2015.
WPCS Phase 2 – Part 1*	Upgrade conventional secondary treatment capacity to 170 MGD.	Bidding of Control Measure –February 28, 2019. Achievement of Full Operation – December 31, 2021.	This project was replaced by WPCS Alternative Plan A Phase 2 – Part 1 per US EPA approval of Alternate Plan A on February 11, 2016.
WPCS Phase 2 – Part 2*	Install BioACTIFLO™ ballasted flocculation to treat all flow that does not receive conventional secondary treatment. In addition, all flows receiving BioACTIFLO™ shall receive disinfection.	Bidding of Control Measure – April 30, 2017. Achievement of Full Operation – April 30, 2019.	This project was replaced by WPCS Alternative Plan A Phase 2 – Part 2 per US EPA approval of Alternate Plan A on February 11, 2016.
WPCS Alternative Plan A – Phase 2 – Part 1*	Upgrade conventional secondary treatment capacity to achieve the minimum sustained capacity specified in Alternative Plan A approved by USEPA.	Bidding of Control Measure –April 30, 2017. Achievement of Full Operation – April 30, 2019.	USEPA issued an approval of Alternative Plan A on February 11, 2016 to upgrade conventional secondary treatment capacity to 220 MGD. The construction Notice to Proceed was issued on August 24, 2016. Project is complete. Achievement of Full Operation occurred on April 30, 2019. The sequence of the WPCS Alternative A Phase 2, Part 1(Row 17) and Phase 2 Part 2 projects was changed under the First Amendment to the Consent Decree, entered on September 20, 2016. The revised dates are shown in this report.

Control Measure Location	Description	Critical Milestones	Progress During Reporting Period
WPCS Alternative Plan A – Phase 2 – Part 2*	Install – BioCEPT to achieve a minimum capacity of 60 MGD. In addition, all flows receiving BioCEPT shall receive disinfection during the recreation season.	Bidding of Control Measure – February 28, 2019. Achievement of Full Operation – December 31, 2021.	BioCEPT is to achieve a minimum sustained capacity of 60 MGD. Project is complete. Achievement of Full Operation occurred on December 27, 2021. The BioCEPT Demonstration Study Final Report was submitted on February 16, 2023. The sequence of the WPCS Alternative A Phase 2, Part 1 (Row 17) and Phase 2 Part 2 projects was changed under the First Amendment to the Consent Decree, entered on September 20, 2016. The revised dates are shown in this report. The Court entered the Second Amendment to the Consent Decree December 17, 2019 which replaced the BioACTIFLO facility with a BioCEPT facility and an additional demonstration study. The replacement project was approved by USEPA and Ohio EPA, see Section 2.A.2.
WPCS Alternative Plan B – Phase 2 – Part 1*	Upgrade conventional secondary treatment capacity to achieve the minimum sustained capacity specified in Alternative Plan B approved by USEPA.	Bidding of Control Measure –December 31, 2019. Achievement of Full Operation – December 31, 2021.	Not Applicable
WPCS Alternative Plan B – Phase 2 – Part 2*	Install BioACTIFLO™ ballasted flocculation to achieve the minimum capacity specified in Alternative Plan B approved by USEPA. In addition, all flows receiving BioACTIFLO™ shall receive disinfection.	Bidding of Control Measure –April 30, 2017. Achievement of Full Operation – April 30, 2019.	Not Applicable

*Alternative Plan to Upgrading Conventional Secondary Treatment to 170 MGD:

• 1) If US EPA approves in writing an Alternative Plan A, in accordance with Exhibit 2 to the LTCP update, then Akron shall implement the control measures specified in the First Amendment in Rows 17 and 18, instead of the control measures specified in Rows 15 and 16

• 2) If US EPA approves in writing an Alternative Plan B, in accordance with attachment to the LTCP update, then Akron shall implement the control measures specified in the First Amendment in Rows 19 and 20, instead of the control measures specified in Rows 15 and 16

Appendix A

CSO Occurrences, Overflow Volumes and Precipitation Data 2024

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	1/9/2024		1/12/2024		1/16/2024		1/18/2024		1/22/2024		1/26/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0	0	0	0	0	0	0	0
047/R04	Mill St.	0	0	0	0	0	0	0	0	0	0	0	0
049/R06	Factory St.	0	0	0	0	0	0	0	0	0	0	0	0
053/R10	Case Ave. – Newton St. District	0	0	0	0	0	0	0	0	0	0	0	0
054/R11	Hazel St. – District 4	0	0	0	0	0	0	0	0	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0	0	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0	0	0	0	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0	0	0	0	0	0	0	0	0	0	0	0
075/R32	Carpenter Heights @ Cascade Park Rd.	0	0	0.2	0.0021	0	0	0	0	0	0	0	0
076/R33	Northside Interceptor @ Cuyahoga River	2.5	0.0047	1.3	0.0026	0.9	0.0005	1.2	0.0005	0.5	0	0.3	0.0004
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0	0	0	0	0	0	0	0
078/R35	Gorge Blvd. @ Front St. Bridge	3.8	0.1092	0.4	0.0042	0.1	0.0063	0.2	0.0651	0	0	0.6	0.0441
080/R37	South Main St. @ Lock 3	0	0	0	0	0	0	0	0	0	0	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	0	0	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0	0	0	0	0	0	0	0	0	0	0	0

Rain Gauge	**Location**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**
G1	2644 Cordelia Ave.	1.13	8.08	0.35	2.42	0.03	0.08	0.00	0.00	0.01	0.08	0.12	0.75
G2	1532 Peckham St.	1.00	7.25	0.36	2.75	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.58
G3	1668 Merriman Rd.	0.87	6.75	0.33	2.50	0.02	0.17	0.00	0.00	0.01	0.08	0.18	1.08
G4	1200 Firestone Pkwy.	0.89	6.58	0.30	2.17	0.01	0.08	0.00	0.00	0.01	0.08	0.16	0.83
G5	177 S. Broadway St.	1.07	7.67	0.34	2.42	0.03	0.25	0.00	0.00	0.00	0.00	0.15	0.67
G6	574 E. Cuyahoga Falls Ave.	0.86	6.42	0.26	2.08	0.00	0.00	0.00	0.00	0.01	0.08	0.14	0.75
G7	1436 Triplett Blvd.	0.84	6.50	0.25	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.67
G8	2100 Eastwood Ave.	1.08	7.83	0.31	2.50	0.01	0.08	0.00	0.00	0.00	0.00	0.12	0.83
G9	3487 S. Smith Rd.	1.05	7.33	0.39	3.08	0.01	0.08	0.00	0.00	0.00	0.00	0.19	0.75
G10	3061 Albrecht Ave.	1.04	7.75	0.28	2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.75
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	1.00	7.33	0.35	2.67	0.02	0.17	0.00	0.00	0.01	0.08	0.20	1.25
G13	10 Ascot Pkwy.	0.74	6.00	0.26	2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.92

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	1/27/2024		1/28/2024		2/6/2024		2/10/2024		2/22/2024		2/28/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0	0	0	0	0	0	0	0
047/R04	Mill St.	0	0	0	0	0	0	0	0	0	0	0	0
049/R06	Factory St.	0	0	0	0	0	0	0	0	0	0	0.3	0.0023
053/R10	Case Ave. – Newton St. District	0	0	0	0	0	0	0	0	0	0	0.2	0.1221
054/R11	Hazel St. – District 4	0	0	0	0	0	0	0	0	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0	0	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0	0	0	0	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0	0	0	0	0	0	0	0	0	0	0	0
075/R32	Carpenter Heights @ Cascade Park Rd.	0	0	0	0	0	0	0	0	0	0	0.2	0.0819
076/R33	Northside Interceptor @ Cuyahoga River	0	0	3.2	0.0042	0.5	0	0	0	0.6	0.001	0	0
077/R34	Riverside Dr. @ MetroParks Rd.	0.1	0	0	0	0	0	0	0	0	0	0.3	0
078/R35	Gorge Blvd. @ Front St. Bridge	0.3	0.0252	3.1	0.0819	0	0	0.3	0.0021	1.6	0.0672	1.0	0.0693
080/R37	South Main St. @ Lock 3	0	0	0	0	0	0	0	0	0	0	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	0	0	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0	0	0	0	0	0	0	0	0	0	0	0

Rain Gauge	**Location**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**
G1	2644 Cordelia Ave.	0.26	1.83	0.50	4.00	0.21	0.08	0.06	0.42	0.97	6.83	0.90	1.83
G2	1532 Peckham St.	0.27	1.83	0.63	5.17	0.00	0.00	0.10	0.75	0.82	6.00	0.37	1.58
G3	1668 Merriman Rd.	0.27	1.83	0.66	5.33	0.21	0.08	0.19	0.75	0.69	5.42	0.24	1.33
G4	1200 Firestone Pkwy.	0.24	1.75	0.46	3.75	0.00	0.00	0.07	0.42	0.90	6.67	0.93	1.75
G5	177 S. Broadway St.	0.25	1.75	0.65	5.17	0.24	0.08	0.15	0.75	0.83	6.25	0.57	1.58
G6	574 E. Cuyahoga Falls Ave.	0.26	1.83	0.70	5.67	0.00	0.00	0.20	1.00	0.76	5.67	0.27	1.25
G7	1436 Triplett Blvd.	0.26	1.92	0.63	4.83	0.20	0.08	0.03	0.25	0.88	6.58	0.83	1.75
G8	2100 Eastwood Ave.	0.25	1.83	0.70	5.42	0.20	0.08	0.20	0.75	0.87	6.33	0.54	1.75
G9	3487 S. Smith Rd.	0.29	2.17	0.61	4.92	0.00	0.00	0.17	0.58	0.68	5.58	0.22	1.42
G10	3061 Albrecht Ave.	0.25	1.92	0.55	4.25	0.20	0.08	0.02	0.17	0.93	6.83	0.73	1.50
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	0.28	2.00	0.76	6.08	0.21	0.08	0.13	0.67	0.67	5.17	0.23	1.50
G13	10 Ascot Pkwy.	0.24	1.75	0.64	5.25	0.00	0.00	0.13	0.67	0.60	4.67	0.17	1.17

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	3/5/2024		3/9/2024		3/14/2024		3/26/2024		3/30/2024		4/1/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0.1	0.0914	0	0	0	0	0	0
047/R04	Mill St.	0	0	0	0	0.1	0.033	0	0	0	0	0	0
049/R06	Factory St.	0	0	0	0	0.1	0.0059	0	0	0	0	0	0
053/R10	Case Ave. – Newton St. District	0.2	0.1152	0	0	0.5	0.6077	0	0	0	0	0.2	0.0792
054/R11	Hazel St. – District 4	0	0	0	0	0.4	0.1533	0	0	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0	0	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0	0	0	0	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0	0	0	0	0	0.0311	0	0	0	0	0	0
075/R32	Carpenter Heights @ Cascade Park Rd.	0	0	0	0	1.0	0.5819	0	0	0	0	0	0
076/R33	Northside Interceptor @ Cuyahoga River	0	0	0.1	0	0	0	1.7	0.0016	0	0	1.0	0.0016
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0.7	0.0339	0	0	0	0	0	0
078/R35	Gorge Blvd. @ Front St. Bridge	0	0	0.2	0.0126	2.6	0.1807	2.7	0.1891	0.6	0.0021	2.0	0.0903
080/R37	South Main St. @ Lock 3	0	0	0	0	0	0	0	0	0	0	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	0	0	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0	0	0	0	0	0	0	0	0	0	0	0

Rain Gauge	Location	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration
G1	2644 Cordelia Ave.	0.00	0.00	0.18	1.25	1.29	3.42	0.69	3.67	0.29	2.00	0.98	3.92
G2	1532 Peckham St.	0.02	0.17	0.50	3.67	0.88	2.75	0.67	3.58	0.38	2.67	0.67	3.92
G3	1668 Merriman Rd.	0.01	0.08	0.43	3.17	0.86	2.58	0.68	3.58	0.37	2.67	0.64	4.50
G4	1200 Firestone Pkwy.	0.27	0.75	0.48	3.67	1.24	3.08	0.63	3.75	0.29	2.17	0.90	3.75
G5	177 S. Broadway St.	0.15	0.25	0.52	3.92	1.03	2.58	0.64	3.75	0.38	2.50	0.72	4.33
G6	574 E. Cuyahoga Falls Ave.	0.03	0.25	0.40	3.00	0.90	2.83	0.52	3.25	0.34	2.58	0.62	4.25
G7	1436 Triplett Blvd.	0.62	0.83	0.30	2.50	1.12	3.33	0.55	3.67	0.29	2.00	1.03	3.75
G8	2100 Eastwood Ave.	0.41	0.75	0.43	3.50	0.93	2.58	0.62	4.00	0.35	2.42	0.77	4.25
G9	3487 S. Smith Rd.	0.03	0.25	0.39	3.00	0.87	2.83	0.68	3.58	0.38	2.92	0.67	4.58
G10	3061 Albrecht Ave.	0.46	0.50	0.39	3.00	1.00	2.92	0.61	4.08	0.29	2.08	0.96	4.33
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	0.00	0.00	0.50	3.67	1.01	2.42	0.61	3.58	0.31	2.50	0.76	4.92
G13	10 Ascot Pkwy.	0.01	0.08	0.43	2.75	0.92	2.50	0.54	3.42	0.28	2.08	0.68	4.58

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	4/2/2024		4/3/2024		4/11/2024		4/12/2024		4/17/2024		4/27/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0	0	0	0	0	0	0	0
047/R04	Mill St.	0	0	0	0	0	0	0	0	0	0	0	0
049/R06	Factory St.	0	0	0.1	0	0.2	0.0463	0	0	0	0	0	0
053/R10	Case Ave. – Newton St. District	0.9	0.3273	0	0	0.1	0.0312	0.0	0.0081	0	0	0	0
054/R11	Hazel St. – District 4	0	0	0	0	0	0	0	0	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0	0	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0	0	0	0	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0	0	0	0	0	0	0	0	0.5	0.0007	0	0
075/R32	Carpenter Heights @ Cascade Park Rd.	1.0	0.376	0	0	0.4	0.1197	0.2	0.0903	0.2	0.0756	0	0
076/R33	Northside Interceptor @ Cuyahoga River	0.5	0.0013	0	0	1.2	0.0068	0.6	0.0042	0.3	0.001	0	0
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0	0	0	0	0	0	0	0
078/R35	Gorge Blvd. @ Front St. Bridge	5.9	0.3718	0.2	0	1.8	0.1512	1.1	0.063	0.6	0.0546	0.1	0
080/R37	South Main St. @ Lock 3	0	0	0	0	0	0	0	0	0	0	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	9.2	18.6925	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	1.3	7.8202	0	0	0	0	0	0	0	0	0	0

Rain Gauge	**Location**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**
G1	2644 Cordelia Ave.	1.11	6.00	0.27	1.25	0.87	5.50	0.71	5.92	0.17	0.83	0.06	0.25
G2	1532 Peckham St.	1.23	6.25	0.26	1.17	0.83	5.58	0.85	6.42	0.23	1.00	0.08	0.42
G3	1668 Merriman Rd.	1.30	6.92	0.34	1.08	0.78	5.58	0.79	6.33	0.29	0.92	0.16	0.33
G4	1200 Firestone Pkwy.	1.11	6.08	0.28	1.17	0.92	5.33	0.47	3.83	0.16	1.00	0.04	0.17
G5	177 S. Broadway St.	1.15	6.08	0.30	1.42	0.95	5.67	0.88	7.00	0.14	1.00	0.09	0.42
G6	574 E. Cuyahoga Falls Ave.	1.16	6.58	0.20	1.17	0.80	4.83	0.82	6.33	0.21	0.92	0.14	0.50
G7	1436 Triplett Blvd.	1.18	6.17	0.26	1.08	0.66	4.75	0.90	6.83	0.15	0.83	0.05	0.17
G8	2100 Eastwood Ave.	1.17	6.50	0.23	1.42	0.82	5.67	0.97	7.50	0.12	0.92	0.06	0.25
G9	3487 S. Smith Rd.	1.16	6.75	0.11	0.83	1.07	6.08	0.90	7.17	0.64	1.00	0.28	0.50
G10	3061 Albrecht Ave.	1.25	6.08	0.24	1.08	0.98	6.33	0.92	6.58	0.17	0.92	0.02	0.17
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	1.36	7.00	0.24	1.17	1.02	5.92	1.05	8.42	0.33	1.25	0.19	0.50
G13	10 Ascot Pkwy.	1.24	6.58	0.25	1.00	0.67	4.67	0.91	7.50	0.38	0.92	0.25	0.33

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	5/5/2024		5/9/2024		5/11/2024		5/17/2024		5/22/2024		5/26/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0	0	0	0	0	0	0	0
047/R04	Mill St.	0.2	0.0813	0	0	0	0	0	0	0	0	0	0
049/R06	Factory St.	0	0	0	0	0	0	0	0	0	0	0	0
053/R10	Case Ave. – Newton St. District	0	0	0.0	0.002	0	0	0	0	0.1	0.0262	0	0
054/R11	Hazel St. – District 4	0	0	0	0	0	0	0	0	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0	0	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0	0	0	0	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0	0	0	0.0272	0	0	0	0	0.0	0.0001	0	0
075/R32	Carpenter Heights @ Cascade Park Rd.	0	0	5.8	0.6449	0	0	0.6	0.2038	1.1	0.2983	0.3	0.0903
076/R33	Northside Interceptor @ Cuyahoga River	0	0	1.4	0.012	0.7	0.0016	0	0	0.1	0.001	0	0
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0	0	0	0	0	0	0	0
078/R35	Gorge Blvd. @ Front St. Bridge	0	0	2.4	0.1765	2.0	0.1723	0.8	0.0525	1.1	0.0609	0.3	0.0168
080/R37	South Main St. @ Lock 3	0.1	0.0018	0	0	0	0	0	0	0	0	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	0	0	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0	0	0	0	0	0	0	0	0	0	0	0

Rain Gauge	Location	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration
G1	2644 Cordelia Ave.	0.22	0.67	1.03	4.92	0.35	1.83	0.64	2.08	0.32	1.08	0.12	0.92
G2	1532 Peckham St.	0.13	0.50	1.00	4.42	0.51	2.50	0.30	2.08	0.44	1.33	0.11	0.83
G3	1668 Merriman Rd.	0.02	0.17	0.91	4.58	0.50	2.00	0.41	2.08	0.57	1.33	0.20	1.00
G4	1200 Firestone Pkwy.	0.16	0.83	0.99	4.92	0.34	1.92	0.41	1.75	0.38	1.08	0.19	0.92
G5	177 S. Broadway St.	0.56	0.67					0.14	0.42	0.33	1.33	0.27	1.17
G6	574 E. Cuyahoga Falls Ave.	0.05	0.25	0.89	4.25	0.67	2.67	0.53	2.33	0.37	1.25	0.20	1.00
G7	1436 Triplett Blvd.	0.24	1.25	0.97	5.25	0.31	1.83	0.20	1.42	0.59	1.00	0.22	0.92
G8	2100 Eastwood Ave.	0.23	0.67	0.98	4.92	0.51	2.50			0.25	0.92	0.22	1.17
G9	3487 S. Smith Rd.	0.12	0.25	0.98	5.25	0.46	2.00	0.70	2.08	0.60	1.17	0.10	0.75
G10	3061 Albrecht Ave.	0.19	1.17	1.00	5.08	0.33	1.92	0.21	1.50	0.39	0.92	0.23	1.83
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	0.06	0.33	0.93	4.58	0.57	2.42	0.42	2.17	0.56	1.25	0.23	1.33
G13	10 Ascot Pkwy.	0.06	0.33	0.87	4.58	0.62	2.08	0.42	2.17	0.73	1.33	0.16	1.17

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	5/29/2024		6/17/2024		6/18/2024		6/23/2024		6/26/2024		7/3/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0	0	0	0	0	0	0	0
047/R04	Mill St.	0.6	0.4866	0.1	0.0211	0	0	0	0	0	0	0.1	0.051
049/R06	Factory St.	0.3	0.017	0	0	0	0	0	0	0.0	0	0.1	0.0006
053/R10	Case Ave. – Newton St. District	0.1	0.0296	0.1	0.0339	0.1	0.3628	0	0	0.3	0.0673	0.1	0.1239
054/R11	Hazel St. – District 4	0.2	0.121	0	0	0	0	0	0	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	6.0	1.9705	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0.1	0.0302	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0	0	0	0	0	0	0.1	0.0188
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0.4	0.0081
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0	0	0	0	0	0	0.1	0.0776
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0.3	0.0158
072/R29	Uhler Ave. – Carpenter St. Outlet	0	0	0	0	0	0	0	0	0	0	0.1	0.2158
075/R32	Carpenter Heights @ Cascade Park Rd.	4.0	1.2688	0	0	0	0	0.2	0.0693	1.7	0.5609	0.9	0.7794
076/R33	Northside Interceptor @ Cuyahoga River	3.3	0.0286	0	0	0	0	0	0	0.9	0.0073	0.8	0.0297
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0	0	0	0	0	0	0.3	0.0088
078/R35	Gorge Blvd. @ Front St. Bridge	4.2	0.3529	0	0	0	0	0.0	0	1.8	0.1029	1.0	0.0777
080/R37	South Main St. @ Lock 3	0.2	0.0299	0	0	0	0	0	0	0	0	0.1	0.00002
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	4.7	10.9513	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0.4	1.4202	0	0	0	0	0	0	0	0	0	0

Rain Gauge	**Location**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**
G1	2644 Cordelia Ave.	0.95	4.75	0.30	0.58	0.00	0.00	0.26	0.67	0.86	3.33	0.54	0.50
G2	1532 Peckham St.	2.20	5.58	0.19	0.58	0.00	0.00	0.27	1.25	0.68	2.92	0.31	0.50
G3	1668 Merriman Rd.	1.32	5.08	0.12	0.67	0.02	0.17	0.05	0.33	0.59	2.58	0.33	0.75
G4	1200 Firestone Pkwy.	0.94	3.83	0.16	0.50	0.00	0.00	0.25	0.75	0.88	2.92	0.43	0.58
G5	177 S. Broadway St.	2.04	5.17	0.31	0.42	0.00	0.00	0.28	1.25	0.81	3.00	0.50	0.75
G6	574 E. Cuyahoga Falls Ave.	1.41	4.75	0.07	0.42	0.00	0.00	0.22	0.83	0.71	3.08	0.64	0.75
G7	1436 Triplett Blvd.	0.96	3.83	0.09	0.42	0.21	0.42	0.26	0.75	0.97	2.92	0.51	0.50
G8	2100 Eastwood Ave.	1.08	4.83	0.22	0.25	0.65	0.50	0.00	1.17	0.87	3.17	0.40	0.67
G9	3487 S. Smith Rd.	1.42	5.83	0.20	0.58	0.00	0.00	0.07	0.58	0.67	3.08	0.35	0.58
G10	3061 Albrecht Ave.	0.48	4.00	0.03	0.25	0.09	0.75	0.08	0.67	0.17	1.42	0.08	0.67
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	1.26	4.67	0.10	0.33	0.00	0.00	0.19	0.67	0.71	2.58	0.63	0.58
G13	10 Ascot Pkwy.	0.92	4.42	0.11	0.25	0.00	0.00	0.15	0.67	0.62	2.42	0.41	0.50

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	7/4/2024		7/8/2024		7/10/2024		7/17/2024		7/22/2024		7/23/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0.3	0.7302	0	0	0	0	0.1	0.0739	0	0	0	0
047/R04	Mill St.	0.5	0.4815	0	0	0.1	0.0001	0	0	0	0	0	0
049/R06	Factory St.	0.3	0.0176	0	0	0	0	0	0	0	0	0	0
053/R10	Case Ave. – Newton St. District	1.4	3.9405	0	0	0.1	0.0607	0	0	0	0	0	0
054/R11	Hazel St. – District 4	1.1	1.1875	0	0	0	0	0	0	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	1.3	1.8385	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0.1	0.1189	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0.1	0.0711	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0.1	0.0147	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0	0	0	0	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0.1	0.02	0	0	0.1	0.0089	0	0	0	0	0	0
075/R32	Carpenter Heights @ Cascade Park Rd.	2.5	1.0209	0	0	0.9	0.4306	0	0	0.5	0.1891	0.8	0.1533
076/R33	Northside Interceptor @ Cuyahoga River	0.2	0.0026	0	0	0.1	0.001	0	0	0.1	0.0016	0	0
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0	0	0	0	0	0	0	0
078/R35	Gorge Blvd. @ Front St. Bridge	2.3	0.147	0.3	0.1344	0.9	0.0588	0	0	0.6	0.0336	0.5	0.0378
080/R37	South Main St. @ Lock 3	0.2	0.0386	0	0	0	0	0	0	0	0	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	0	0	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0	0	0	0	0	0	0	0	0	0	0	0

Rain Gauge	Location	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration
G1	2644 Cordelia Ave.	1.53	2.08	0.00	0.00	0.45	1.83	0.70	1.08	0.00	0.00	0.06	0.25
G2	1532 Peckham St.	1.11	2.33	0.00	0.00	0.33	1.50	0.30	0.67	0.00	0.00	0.13	0.42
G3	1668 Merriman Rd.	0.92	3.08	0.00	0.00	0.24	1.00	0.07	0.17	0.00	0.00	0.03	0.25
G4	1200 Firestone Pkwy.	0.86	1.92	0.00	0.00	0.41	1.42	0.46	1.25	0.00	0.00	0.01	0.08
G5	177 S. Broadway St.	1.43	2.08	0.00	0.00	0.44	1.42	0.19	1.00	0.00	0.00	0.17	0.58
G6	574 E. Cuyahoga Falls Ave.	0.84	2.83	0.00	0.00	0.44	1.25	0.08	0.50	0.00	0.00	0.51	0.33
G7	1436 Triplett Blvd.	1.29	2.08	0.00	0.00	0.36	1.50	0.77	1.17	0.00	0.00	0.00	0.00
G8	2100 Eastwood Ave.	1.22	2.42	0.00	0.00	0.32	1.25	0.55	1.42	0.00	0.00	0.00	0.33
G9	3487 S. Smith Rd.	0.86	2.42	0.00	0.00	0.22	1.50	0.00	0.00	0.00	0.00	0.06	0.25
G10	3061 Albrecht Ave.	0.07	0.58	0.00	0.00	0.01	0.08	0.03	0.25	0.00	0.00	0.00	0.00
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	1.00	2.42	0.00	0.00	0.52	1.58	0.00	0.00	0.00	0.00	0.08	0.25
G13	10 Ascot Pkwy.	0.67	2.25	0.00	0.00	0.32	1.08	0.00	0.00	0.00	0.00	0.12	0.42

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	7/24/2024		7/29/2024		7/30/2024		7/31/2024		8/1/2024		8/2/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0	0	0.1	0.141	0	0	0	0
047/R04	Mill St.	0.1	0.0606	0.1	0.02	0	0	0.3	0.3116	0	0	0	0
049/R06	Factory St.	0	0	0	0	0	0	0.2	0.0158	0	0	0	0
053/R10	Case Ave. – Newton St. District	0.1	0.0287	0	0	0	0	0.5	3.1969	0.1	0.0133	0.1	0.044
054/R11	Hazel St. – District 4	0	0	0	0	0	0	0.4	1.0241	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0	0	0	0	0	0	0.1	0.0356	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0	0	0.1	0.0377	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0	0	0.1	0.0075	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0.2	0.0601	0	0	0.1	0.0217	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0	0	0.2	0.2208	0	0	0.1	0.0004	0	0	0	0
075/R32	Carpenter Heights @ Cascade Park Rd.	0	0	0.6	0.4832	0.8	0.3634	0.6	0.2521	1.3	0.2311	0	0
076/R33	Northside Interceptor @ Cuyahoga River	0	0	0.4	0.0104	0.1	0.003	0.2	0.0021	0	0	0	0
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0	0	0	0	0	0	0	0
078/R35	Gorge Blvd. @ Front St. Bridge	0	0	0.6	0.0315	0.5	0.0378	1.0	0.0903	1.1	0.1029	0.5	0.0462
080/R37	South Main St. @ Lock 3	0	0	0	0	0	0	0.2	0.0601	0	0	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	0	0	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0	0	0	0	0	0	0	0	0	0	0	0

Rain Gauge	Location	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration
G1	2644 Cordelia Ave.	0.03	0.17	0.00	0.00	0.17	0.58	0.45	0.58	0.29	1.58	0.09	0.75
G2	1532 Peckham St.	0.07	0.17	0.01	0.08	0.09	0.25	0.67	0.67	0.26	1.42	0.54	1.42
G3	1668 Merriman Rd.	0.12	0.25	0.27	0.33	0.16	0.50	0.35	0.58	0.26	1.25	0.15	0.92
G4	1200 Firestone Pkwy.	0.03	0.17	0.01	0.08	0.15	0.58	0.29	0.33	0.30	1.50	0.11	0.92
G5	177 S. Broadway St.	0.36	0.25	0.18	0.33	0.12	0.83	0.67	0.92	0.35	1.58	0.33	1.00
G6	574 E. Cuyahoga Falls Ave.	0.17	0.33	0.38	0.58	0.24	0.67	0.30	0.67	0.28	1.33	0.20	0.75
G7	1436 Triplett Blvd.	0.00	0.00	0.02	0.17	0.14	0.42	0.52	0.58	0.42	1.33	0.18	1.42
G8	2100 Eastwood Ave.	0.27	0.42	0.29	1.25	0.29	1.00	0.84	0.83	0.61	1.33	0.43	1.58
G9	3487 S. Smith Rd.	0.04	0.17	0.11	0.50	0.17	0.33	0.08	0.50	0.50	1.50	0.10	0.83
G10	3061 Albrecht Ave.	0.00	0.00	0.41	3.00	0.05	0.42	0.01	0.08	0.00	0.00	0.00	0.00
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	0.24	0.33	0.18	0.75	0.36	0.67	0.36	0.33	0.18	1.25	0.55	0.92
G13	10 Ascot Pkwy.	0.12	0.25	0.02	0.17	0.34	0.92	0.18	0.25	0.15	1.17	0.41	1.08

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	8/3/2024		8/5/2024		8/6/2024		8/8/2024		8/17/2024		8/18/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0.1	0.0627	0	0	0.2	0.3806	0	0
047/R04	Mill St.	0.3	0.2881	0	0	0.1	0.0631	0.3	0.1356	0.3	0.233	0	0
049/R06	Factory St.	0	0	0	0	0.1	0.0006	0	0	0.2	0.0059	0	0
053/R10	Case Ave. – Newton St. District	0.6	1.1772	0	0	0.2	0.1735	0	0	0.3	2.6319	0	0
054/R11	Hazel St. – District 4	0.5	0.9526	0	0	0	0	0	0	0.3	0.5536	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0	0	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0.1	0.0011	2.8	14.2673	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0.5	0.1917	0	0	0	0	2.0	1.8956	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0	0	0.9	1.1018	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0.5	0.0629	0	0	0	0	4.2	6.6243	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0.1	0.0084	0	0	0	0.107	0.9	1.6639	0	0	0.1	0.0055
075/R32	Carpenter Heights @ Cascade Park Rd.	1.3	0.668	0.8	0.2542	0.5	0.3991	6.1	13.2007	1.2	0.7941	0.5	0.3634
076/R33	Northside Interceptor @ Cuyahoga River	0.5	0.0151	0.1	<0.0005	0.2	0.0036	4.8	0.2893	1.1	0.0359	0	0
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0	0	0.3	0.0262	0	0	0	0
078/R35	Gorge Blvd. @ Front St. Bridge	1.2	0.0777	0.7	0.0588	0.7	0.0252	5.7	0.647	1.7	0.1197	0.4	0.042
080/R37	South Main St. @ Lock 3	0.4	0.2024	0	0	0.0	0.0002	0	0	0.1	0.0226	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	0	0	0	0	0	0	3.7	30.4167	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0	0	0	0	0	0	2.4	35.3369	0	0	0	0

Rain Gauge	Location	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration
G1	2644 Cordelia Ave.	1.69	2.33	0.00	0.00	0.40	0.75	2.79	3.50	0.13	0.42	0.59	1.50
G2	1532 Peckham St.	0.71	1.50	0.01	0.08	0.43	0.67	4.53	3.50	0.39	0.83	0.30	1.17
G3	1668 Merriman Rd.	0.81	1.25	0.29	0.83	0.15	0.92	5.20	4.33	0.10	0.83	0.18	1.50
G4	1200 Firestone Pkwy.	0.64	1.58	0.00	0.00	0.23	0.58	0.61	2.08	0.20	0.50	0.32	1.00
G5	177 S. Broadway St.	1.54	1.17	0.00	0.00	0.44	0.67	1.37	3.67	0.88	0.83	0.33	0.75
G6	574 E. Cuyahoga Falls Ave.	0.59	0.83	0.28	0.67	0.46	1.17	3.10	4.33	0.61	1.50	0.21	0.67
G7	1436 Triplett Blvd.	0.74	1.67	0.00	0.00	0.56	0.83	0.05	0.42	0.67	0.33	0.56	0.75
G8	2100 Eastwood Ave.	1.37	1.25	0.03	0.17	0.00	0.92	0.05	0.25	1.37	1.00	0.26	0.92
G9	3487 S. Smith Rd.	0.16	0.67	0.16	0.67	0.11	0.83	1.52	2.50	0.51	0.83	0.35	0.83
G10	3061 Albrecht Ave.	0.00	0.00	0.16	1.33	0.33	2.75	0.01	0.08	0.96	0.42	0.26	0.75
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	0.08	0.42	0.27	0.92	0.19	0.83	3.81	4.00	1.26	1.25	0.39	1.25
G13	10 Ascot Pkwy.	0.25	0.67	0.36	0.83	0.15	0.83	3.98	4.50	0.25	1.25	0.02	0.17

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	8/25/2024		8/27/2024		8/30/2024		9/6/2024		9/24/2024		9/25/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0	0	0	0	0	0	0	0
047/R04	Mill St.	0	0	0	0	0	0	0.1	0.0692	0	0	0	0
049/R06	Factory St.	0	0	0	0	0	0	0	0	0	0	0	0
053/R10	Case Ave. – Newton St. District	0	0	0	0	0	0	0.3	0.0791	0.1	0.0484	0.1	0.0921
054/R11	Hazel St. – District 4	0	0	0	0	0	0	0	0	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0	0	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0.0	0.0002	0	0	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0.2	0.0039	0	0	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0.1	0.0189	0	0	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0	0	0	0	0.1	0.1748	0	0	0	0	0	0
075/R32	Carpenter Heights @ Cascade Park Rd.	0.2	0.0042	0.2	0.021	0.9	0.771	1.6	0.4937	3.3	0.9033	0.1	0.0147
076/R33	Northside Interceptor @ Cuyahoga River	0	0	0	0	0.3	0.0031	0	0	0.9	0.0026	0	0
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0	0	0	0	0	0	0	0
078/R35	Gorge Blvd. @ Front St. Bridge	0	0	0.3	0.0063	0.7	0.0399	1.6	0.1596	3.6	0.2395	0	0
080/R37	South Main St. @ Lock 3	0	0	0	0	0	0	0.1	0.0027	0	0	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	0	0	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0	0	0	0	0	0	0	0	0	0	0	0

Rain Gauge	Location	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration
G1	2644 Cordelia Ave.	0.09	0.58	0.01	0.08	0.55	0.42	0.67	1.67	1.01	3.92	0.09	0.42
G2	1532 Peckham St.	0.23	0.75	0.00	0.00	0.55	0.83	0.73	2.25	0.99	3.83	0.06	0.25
G3	1668 Merriman Rd.	0.04	0.33	0.00	0.00	0.32	2.67	0.58	2.67	0.82	3.42	0.02	0.17
G4	1200 Firestone Pkwy.	0.10	0.67	0.00	0.00	0.21	0.42	0.52	1.58	0.90	3.58	0.10	0.67
G5	177 S. Broadway St.	0.06	0.25	0.00	0.00	0.31	0.50	1.20	2.42	1.03	3.58	0.08	0.58
G6	574 E. Cuyahoga Falls Ave.	0.08	0.42	0.11	0.17	0.42	0.83	0.66	2.42	0.90	3.58	0.05	0.42
G7	1436 Triplett Blvd.	0.08	0.33	0.01	0.08	0.00	0.00	1.08	2.67	1.16	4.08	0.20	1.08
G8	2100 Eastwood Ave.	0.04	0.33	0.02	0.17	0.03	0.25	0.78	2.50	0.84	3.75	0.18	0.83
G9	3487 S. Smith Rd.	0.28	0.75	0.02	0.17	0.60	1.17	0.36	2.25	0.92	3.50	0.01	0.08
G10	3061 Albrecht Ave.	0.02	0.17	0.00	0.00	0.00	0.00	1.14	2.58	1.15	4.08	0.15	0.67
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	0.03	0.25	0.05	0.42	0.37	0.92	0.77	2.83	0.67	3.50	0.08	0.58
G13	10 Ascot Pkwy.	0.00	0.00	0.03	0.25	0.03	0.25	0.39	2.75	0.76	3.58	0.00	0.00

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	9/26/2024		9/27/2024		9/28/2024		9/29/2024		10/13/2024		10/14/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0	0	0	0	0	0	0	0
047/R04	Mill St.	0	0	0	0	0	0	0	0	0	0	0	0
049/R06	Factory St.	0	0	0	0	0	0	0	0	0	0	0	0
053/R10	Case Ave. – Newton St. District	0	0	0	0	0.1	0.0274	0	0	0.1	0.052	0	0
054/R11	Hazel St. – District 4	0	0	0	0	0	0	0	0	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0	0	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0.1	0.0084	0	0	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0	0	0	0	0.1	0.0246	0	0	0	0	0	0
075/R32	Carpenter Heights @ Cascade Park Rd.	0	0	0.3	0.0714	0.8	0.2752	0.3	0.6932	1.2	0.4664	0.6	0.1365
076/R33	Northside Interceptor @ Cuyahoga River	0	0	0	0	0	0	0	0	0.3	0.001	0	0
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0	0	0	0	0	0	0	0
078/R35	Gorge Blvd. @ Front St. Bridge	0.2	0.0105	0	0	0.8	0.0651	0	0	1.3	0.1134	0.4	0.021
080/R37	South Main St. @ Lock 3	0	0	0	0	0	0	0	0	0	0	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	0	0	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0	0	0	0	0	0	0	0	0	0	0	0

Rain Gauge	Location	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration
G1	2644 Cordelia Ave.	0.02	0.17	0.16	0.75	0.51	1.42	0.45	3.75	0.28	1.08	0.15	1.25
G2	1532 Peckham St.	0.07	0.58	0.16	1.08	0.52	1.33	0.40	3.33	0.37	1.42	0.20	1.33
G3	1668 Merriman Rd.	0.06	0.50	0.20	1.17	0.37	1.00	0.40	3.33	0.57	2.33	0.18	1.17
G4	1200 Firestone Pkwy.	0.00	0.00	0.12	0.83	0.33	1.17	0.38	3.17	0.40	1.25	0.13	0.83
G5	177 S. Broadway St.	0.02	0.17	0.07	0.58	0.27	1.17	0.38	3.17	0.39	1.75	0.19	1.17
G6	574 E. Cuyahoga Falls Ave.	0.22	0.83	0.17	1.00	0.23	1.08	0.37	3.08	0.40	1.75	0.18	1.08
G7	1436 Triplett Blvd.	0.02	0.17	0.19	1.08	0.25	1.25	0.43	3.50	0.35	1.17	0.17	1.00
G8	2100 Eastwood Ave.	0.01	0.08	0.14	1.00	0.51	0.83	0.39	3.25	0.35	1.75	0.17	1.00
G9	3487 S. Smith Rd.	0.48	2.00	0.22	1.42	0.40	1.17	0.39	3.25	0.58	2.33	0.22	1.75
G10	3061 Albrecht Ave.	0.04	0.33	0.08	0.67	0.20	1.17	0.42	3.50	0.37	1.08	0.14	0.92
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	0.20	1.42	0.16	0.75	0.55	1.08	0.41	3.42	0.81	3.33	0.20	1.58
G13	10 Ascot Pkwy.	0.03	0.25	0.13	0.75	0.43	1.08	0.38	3.17	0.78	3.25	0.21	1.42

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	10/15/2024		10/16/2024		10/29/2024		11/4/2024		11/10/2024		11/14/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0	0	0	0	0	0	0	0
047/R04	Mill St.	0	0	0	0	0	0	0	0	0	0	0	0
049/R06	Factory St.	0	0	0	0	0	0	0	0	0.1	<0.0005	0	0
053/R10	Case Ave. – Newton St. District	0	0	0	0	0	0	0	0	0	0	0	0
054/R11	Hazel St. – District 4	0	0	0	0	0	0	0	0	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0	0	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0	0	0	0	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0	0	0	0	0	0	0	0	0	0	0	0
075/R32	Carpenter Heights @ Cascade Park Rd.	1.1	0.1302	0.7	0.063	0.3	0.0903	0	0	3.0	0.897	0.71	0.1344
076/R33	Northside Interceptor @ Cuyahoga River	0	0	0	0	0	0	0	0	1.2	0.0026	0	0
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0	0	2.8	0.0276	0	0	0	0
078/R35	Gorge Blvd. @ Front St. Bridge	0	0	0	0	0	0	0	0	2.9	0.2311	0	0
080/R37	South Main St. @ Lock 3	0	0	0	0	0	0	0	0	0	0	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	0	0	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0	0	0	0	0	0	0	0	0	0	0	0

Rain Gauge	Location	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration
G1	2644 Cordelia Ave.	0.31	2.50	0.24	2.00	0.06	0.33	0.00	0.00	0.93	5.58	0.52	4.33
G2	1532 Peckham St.	0.51	3.67	0.35	2.75	0.08	0.25	0.00	0.00	0.90	5.33	0.55	4.33
G3	1668 Merriman Rd.	0.51	3.75	0.27	2.17	0.01	0.08	0.00	0.00	0.76	4.92	0.50	4.08
G4	1200 Firestone Pkwy.	0.50	3.33	0.28	2.33	0.04	0.25	0.00	0.00	0.92	5.33	0.47	3.83
G5	177 S. Broadway St.	0.49	3.17	0.30	2.17	0.13	0.25	0.00	0.00	0.92	5.42	0.56	4.33
G6	574 E. Cuyahoga Falls Ave.	0.49	3.17	0.34	2.42	0.09	0.25	0.00	0.00	0.75	4.83		
G7	1436 Triplett Blvd.	0.47	2.83	0.39	2.83	0.05	0.25	0.00	0.00	0.97	5.17	0.52	4.08
G8	2100 Eastwood Ave.	0.64	4.25	0.15	1.17	0.06	0.25	0.00	0.00	1.00	5.58	0.58	4.50
G9	3487 S. Smith Rd.	0.63	4.33	0.24	1.92	0.01	0.08	0.00	0.00	0.71	5.00	0.62	4.83
G10	3061 Albrecht Ave.	0.62	3.58	0.14	1.08	0.11	0.33	0.00	0.00	1.10	5.92	0.63	4.42
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	0.68	4.08	0.28	2.00	0.00	0.00	0.00	0.00	0.84	5.33	0.58	4.58
G13	10 Ascot Pkwy.	0.52	3.25	0.32	2.25	0.00	0.00	0.10	0.00	0.68	4.92	0.42	3.50

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	11/20/2024		11/22/2024		11/23/2024		11/25/2024		11/27/2024		11/28/2024	
CSO Discharges													
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0	0	0	0	0	0	0	0
047/R04	Mill St.	0	0	0	0	0	0	0	0	0	0	0	0
049/R06	Factory St.	0	0	0	0	0	0	0	0	0	0	0	0
053/R10	Case Ave. – Newton St. District	0.25	0.2257	0	0	0	0	0	0	0	0	0	0
054/R11	Hazel St. – District 4	0	0	0	0	0	0	0	0	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0	0	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0	0	0	0	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0	0	0	0	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0	0	0	0	0	0	0	0	0	0	0	0
075/R32	Carpenter Heights @ Cascade Park Rd.	0.12	0.16	0.18	0.0021	0	0	0.09	<0.0005	0	0	0	0
076/R33	Northside Interceptor @ Cuyahoga River	0	0	0	0	0	0	0	0	0	0	0	0
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0	0	0	0	0	0	0	0
078/R35	Gorge Blvd. @ Front St. Bridge	0	0	1.31	<0.0005	0.37	<0.0005	0	0	0.26	<0.0005	1.99	<0.0005
080/R37	South Main St. @ Lock 3	0	0	0	0	0	0	0	0	0	0	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	0	0	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0	0	0	0	0	0	0	0	0	0	0	0

Rain Gauge	**Location**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**	**Depth**	**Duration**
G1	2644 Cordelia Ave.	0.13	1.00	0.48	4.00	0.07	0.58	0.18	1.08	0.24	1.83	0.34	2.83
G2	1532 Peckham St.	0.12	0.83	0.58	4.83	0.11	0.92	0.12	0.75	0.21	1.67	0.32	2.58
G3	1668 Merriman Rd.	0.09	0.67	0.58	4.83	0.12	1.00	0.12	0.75	0.20	1.50	0.30	2.50
G4	1200 Firestone Pkwy.	0.37	1.17	0.29	2.42	0.07	0.58	0.19	1.00	0.22	1.75	0.29	2.42
G5	177 S. Broadway St.	0.20	1.25	0.63	5.25	0.10	0.83	0.22	1.42	0.28	2.33	0.28	2.33
G6	574 E. Cuyahoga Falls Ave.												
G7	1436 Triplett Blvd.	0.41	1.33	0.57	4.67	0.13	1.08	0.24	1.25	0.19	1.58	0.33	2.75
G8	2100 Eastwood Ave.	0.53	1.42	0.80	6.42	0.10	0.83	0.22	1.42	0.22	1.67	0.32	2.67
G9	3487 S. Smith Rd.	0.07	0.58	0.88	7.25	0.13	1.08	0.15	0.83	0.18	1.50	0.33	2.75
G10	3061 Albrecht Ave.	0.19	1.17	0.71	5.92	0.13	1.08	0.21	1.08	0.23	1.67	0.34	2.83
G11	89 E. Howe Rd.												
G12	1100 Graham Circle	0.14	1.08	1.03	8.33	0.16	1.33	0.10	0.67	0.17	1.33	0.35	2.92
G13	10 Ascot Pkwy.	0.13	0.92	0.77	6.17	0.12	1.00	0.12	0.67	0.12	1.00	0.32	2.67

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

CSO Occurrences, Overflow Volumes and Precipitation Data, 1/1/2024 - 12/31/24

	Date:	12/9/2024		12/15/2024		12/16/2024		12/29/2024		12/31/2024	
CSO Discharges											
Station/Rack	**Location**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**	**Duration**	**Volume**
046/R03	Kelly Ave.	0	0	0	0	0	0	0	0	0	0
047/R04	Mill St.	0	0	0	0	0	0	0	0	0	0
049/R06	Factory St.	0	0	0	0	0	0	0	0	0	0
053/R10	Case Ave. – Newton St. District	0	0	0	0	0	0	0	0	0	0
054/R11	Hazel St. – District 4	0	0	0	0	0	0	0	0	0	0
055/R12	Camp Brook Storage Basin	0	0	0	0	0	0	0	0	0	0
057/R14	Forge Field Storage Basin	0	0	0	0	0	0	0	0	0	0
058/R15	Cascade Village Storage Basin	0	0	0	0	0	0	0	0	0	0
059/R16	Wolf Ledges Trunk	0	0	0	0	0	0	0	0	0	0
060/R17	Exchange St.	0	0	0	0	0	0	0	0	0	0
061/R18	Willow Run Trunk	0	0	0	0	0	0	0	0	0	0
062/R19	West Market St.	0	0	0	0	0	0	0	0	0	0
065/R22	Howard Street Storage Basin	0	0	0	0	0	0	0	0	0	0
067/R24	West Market St. Outlet @ Ravine St.	0	0	0	0	0	0	0	0	0	0
069/R26	Aqueduct St. Outlet @ Hickory St.	0	0	0	0	0	0	0	0	0	0
070/R27	Uhler Ave. @ Memorial Parkway	0	0	0	0	0	0	0	0	0	0
071/R28	Memorial Parkway @ Hickory St.	0	0	0	0	0	0	0	0	0	0
072/R29	Uhler Ave. – Carpenter St. Outlet	0	0	0	0	0	0	0	0	0.1	0.0105
075/R32	Carpenter Heights @ Cascade Park Rd.	1.31	0.1449	1.88	0.25	1.18	0.4033	4.62	1.815	2.61	0.8949
076/R33	Northside Interceptor @ Cuyahoga River	0	0	0	0	0.05	<0.0005	0.5	0.0005	0	0
077/R34	Riverside Dr. @ MetroParks Rd.	0	0	0	0	0	0	0	0	0	0
078/R35	Gorge Blvd. @ Front St. Bridge	0.59	<0.0005	1.46	<0.0005	0.82	0.0504	5.97	0.3109	2.93	0.0882
080/R37	South Main St. @ Lock 3	0	0	0	0	0	0	0	0	0	0
081/R02	Goodyear Retention Tank	0	0	0	0	0	0	0	0	0	0
083/R40	Cuyahoga Street Storage Facility	0	0	0	0	0	0	0	0	0	0
084/OCIT	Ohio Canal Interceptor Tunnel (OCIT)	0	0	0	0	0	0	0	0	0	0

Rain Gauge	Location	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration	Depth	Duration
G1	2644 Cordelia Ave.	0.49	3.92	0.70	5.75	0.29	2.33	1.21	6.25	0.65	3.92
G2	1532 Peckham St.	0.47	3.83	0.62	5.00	0.36	2.17	1.18	6.08	0.63	3.75
G3	1668 Merriman Rd.	0.47	3.75	0.60	4.92	0.31	2.08	1.26	6.17	0.73	4.08
G4	1200 Firestone Pkwy.	0.49	3.83	0.62	5.17	0.26	2.17	0.98	5.75	0.58	3.42
G5	177 S. Broadway St.	0.54	4.42	0.64	5.08	0.30	2.42	1.11	6.08	0.67	3.83
G6	574 E. Cuyahoga Falls Ave.										
G7	1436 Triplett Blvd.	0.44	3.33	0.61	4.92	0.21	1.75	1.09	5.75	0.58	3.58
G8	2100 Eastwood Ave.	0.57	4.33	0.63	5.25	0.26	2.17	1.14	6.17	0.56	3.50
G9	3487 S. Smith Rd.	0.46	3.83	0.68	5.42	0.28	1.83	1.31	7.08	0.80	4.58
G10	3061 Albrecht Ave.	0.50	3.92	0.66	5.33	0.29	2.42	1.02	5.67	0.61	3.75
G11	89 E. Howe Rd.										
G12	1100 Graham Circle	0.52	4.17	0.63	5.08	0.33	2.00	1.13	6.33	0.73	4.33
G13	10 Ascot Pkwy.	0.45	3.75	0.52	4.25	0.23	1.58	1.18	6.00	0.68	3.92

Units: Duration-Hours; Volume-Million Gallons; Depth-Inches

Appendix B

Consent Decree Semi-Annual Report #30
(July 1, 2024 - December 31, 2024)

CHRIS D. LUDLE
Director of Public Service

EUFRANCIA G. LASH
Deputy Director of Public Service

Shammas Malik, MAYOR

DEPARTMENT OF PUBLIC SERVICE
166 S. High St., Room 201
Akron, OH 44308-1657
www.akronohio.gov

February 12, 2025

Chief, Environmental Enforcement Section
US Department of Justice
DOJ No. 90-5-1-1-3144/2
950 Pennsylvania Avenue, NW
PO Box 7611
Washington, DC 20530-0001

Chief, Water Enforcement and
Compliance Assurance Branch (WC-15J)
US Environmental Protection Agency, Region 5
77 West Jackson Boulevard
Chicago, IL 60604

Director, Water Division (WD-15J)
US Environmental Protection Agency, Region 5
77 West Jackson Boulevard
Chicago, IL 60604

Regional Counsel (C-14J)
US Environmental Protection Agency, Region 5
77 West Jackson Boulevard
Chicago, IL 60604

Electronic File

Chief, Environmental Enforcement Section
Ohio Attorney General
30 East Broad Street, 25th Floor
Columbus, OH 43215-3400

Erin Sherer
Manager, Permits
Ohio EPA – DSW
50 West Town Street, Suite 700
PO Box 1049
Columbus, OH 43216-1049

Dean Stoll, P.E.
Unit Supervisor, Compliance & Enforcement
Division of Surface Water
Ohio EPA Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087

RE: Consent Decree, City of Akron, Ohio
Case No. 5:09-cv-00272
Judge John R. Adams (Magistrate Pearson)

SUBMISSION: Akron shall submit a Semi-Annual Report to the U.S. EPA and OEPA on August 15, 2010, and every six (6) months thereafter until termination of this Consent Decree: Report No. 30, February 12, 2025 (July 1, 2024 – December 31, 2024).

CONSENT DECREE REFERENCE: Consent Decree XV, Reporting Requirements: Paragraph 75.

CERTIFICATION: I certify under penalty of law that this document and its attachments were prepared under my direction or supervision in a manner designed to ensure that qualified and knowledgeable personnel properly gather and present the information contained herein. I further certify, based on my inquiry of those individuals immediately responsible for obtaining the information, that I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Chris D. Ludle
Service Director

If you have any questions concerning this submittal, please feel free to contact Patrick Gsellman, AWR Program Manager, Akron Engineering Bureau, at 330-375-2355 or pgsellman@akronohio.gov.

CDL:PDG:LCG

Attachment

cc: Mayor S. Malik, D. Matz, C. Ludle, E. Lash, T. Capper, R. Scarlatelli, P. Gsellman, T. Finn (R&A), File 2010-009-00
ec: Gary Prichard (USEPA-Region V), Marta Grabowski (USEPA-Region V)

DANIEL HORRIGAN, MAYOR

City of Akron

Consent Decree
Semi-Annual Report No. 30

July 1, 2024 - December 31, 2024

February 12, 2025

AkronWaterways Renewed!

Department of Public Service
Akron Engineering Bureau
Environmental Division

City of Akron

Consent Decree
Semi-Annual Report No. 30
July 1, 2024 - December 31, 2024

February 12, 2025

Patrick D. Gsellman, P.E.
AWR Senior Advisor, Environmental Design Group

Travis L. Capper, P.E.
City Engineer

Genny Hanna, P.E.
Environmental Division Manager

Robert Scarlatelli, P.E.
Water Reclamation Services Manager

Document prepared by:
G. Stephens, Inc.
133 N. Summit St.
Akron, OH 44304

Semi-Annual Report No. 29
January 1, 2024 - June 30, 2024

Table of Contents

List of Abbreviations and Acronyms

AFO	Achievement of Full Operation
AFP	Advanced Facilities Plan
AASEP	All-Akron Student Engineering Program
AWR!	Akron Waterways Renewed!
CAG	Community Action Group
CCTV	Closed-Circuit Television
CD	Consent Decree
CEPT	Chemically Enhanced Primary Treatment
CIPP	Cured in Place Process
CMOM	Capacity, Management, Operations, and Maintenance
CSO	Combined Sewer Overflow
CSS	Combined Sewer Systems
EHRT	Enhanced High Rate Treatment
EPA	Environmental Protection Agency
FOG	Fats, Oils and Grease
FSE	Food Service Establishments
GI	Green Infrastructure
GIS	Geographic Information System
HVAC	Heating, Ventilation, and Air Conditioning
ID	Identification
I/I	Infiltration/Inflow
IP	Integrated Plan
IPF	Integrated Planning Framework
IPS	Integrated Plan Stakeholders
LCI	Little Cuyahoga Interceptor
LF	Linear Feet
LTCP	Long Term Control Plan
Mg/l	Milligrams per Liter
MGD	Million Gallons per Day
MH	Manhole
MLSS	Mixed Liquor Suspended Solids
MOI	Main Outfall Interceptor
NASSCO	National Association of Sewer Service Companies
NFA	No Feasible Alternative
No.	Number
NOI	Notice of Intent
NSI	Northside Interceptor
NTP	Notice To Proceed
OCI	Ohio Canal Interceptor
OCIT	Ohio Canal Interceptor Tunnel
OHPO	Ohio Historic Preservation Office
OSHA	Occupational Safety and Health Administration
PER	Preliminary Engineering Report
PID	Project Identification
PTI	Permit to Install
QAPP	Quality Assurance Project Plan
RAS	Return Activated Sludge
RCA	Root Cause Analysis
RIO	Remote Input/Output
SCPHD	Summit County Public Health Department
SEP	Supplemental Environmental Project
SOP	Standard Operating Procedure
SORNP	Sewer Overflow and Response Notification Plan

List of Abbreviations and Acronyms

SSO	Sanitary Sewer Overflow
SWPPP	Stormwater Pollution Prevention Plan
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
WAS	Waste Activated Sludge
WPCLF	Water Pollution Control Loan Fund
WPCS	Water Pollution Control Station
WRF	Water Reclamation Facility (See: WPCS)

Section 1: Specific Action Projects

1.A Upgrade of the WPCS (Phase 1)

Status of Work Plan Development	The Work Plan for Water Pollution Control Station (WPCS) improvements was submitted to EPA on February 10, 2010, per the Consent Decree.
Status of Design and Construction Activities	Design and construction are complete. Certificate of Achievement of Full Operation was issued and acknowledged on September 20, 2013.
Status of Stress Test Protocol Development	Stress Tests are complete.
Status and Results of Stress Tests	Stress Tests are complete. The Final Demonstration Testing Evaluation Report was submitted to EPA on October 15, 2015, per the Consent Decree.
Capacity Achieved at the WPCS After Upgrade	The Final Demonstration Testing Evaluation Report concluded that the step feed and clarifier upgrades to Unit 6 have achieved 30 MGD of wet weather treatment capacity.
Project Cost Incurred During Reporting Period	No project costs were incurred during the reporting period.

1.B Upgrade of the WPCS (Contingency Projects)

The Final Demonstration Testing Evaluation Report concluded that the step feed and clarifier upgrades to Unit 6 achieved 30 MGD of wet weather treatment capacity, therefore, this Consent Decree item is not applicable.

1.C Status of Sewer Separation Projects

1.C.1 Rack 8 Separation Project

Activities Undertaken During Reporting Period	Project is complete.
Status of Construction	Construction is complete.
Date of Anticipated Completion	Achievement of Full Operation occurred on December 14, 2012.

Project Cost Incurred During Reporting Period	No project costs were incurred during the reporting period.

1.C.2 Rack 25 Separation Project

Activities Undertaken During Reporting Period	Project is complete.
Status of Construction	Construction is complete.
Date of Anticipated Completion	Achievement of Full Operation occurred on December 14, 2012.
Project Cost Incurred During Reporting Period	No project costs were incurred during the reporting period.

1.C.3. Rack 21 Separation Project

Activities Undertaken During Reporting Period	Project is complete.
Status of Construction	Construction is complete.
Date of Anticipated Completion	Achievement of Full Operation occurred on November 9, 2017.
Project Cost Incurred During Reporting Period	No project costs were incurred during the reporting period.

1.C.4 Rack 13 Separation Project

Activities Undertaken During Reporting Period	Project is complete.
Status of Construction	Construction is complete.
Date of Anticipated Completion	Achievement of Full Operation occurred on October 14, 2016.

Project Cost Incurred During Reporting Period	No project costs were incurred during the reporting period.

1.C.5 Rack 30 Separation Project

Activities Undertaken During Reporting Period	Project is complete.
Status of Construction	Construction is complete.
Date of Anticipated Completion	Achievement of Full Operation occurred on November 9, 2017.
Project Cost Incurred During Reporting Period	No project costs were incurred during the reporting period.

Section 2: CSO and WPCS Control Measures

2.A Status of Document Preparation

Table 2-1 shows the current status of documents as listed in Table 1 in Paragraph 17 of the Consent Decree. Documents listed in **bold** have been completed as of the end date of this reporting period.

Table 2-1 Status of Document Preparation

Document	Consent Decree Due Date	Date Submitted or *Date of Anticipated Completion*
Updated NFA and supplement	November 30, 2009	November 25, 2009
Preliminary Report on Modeling to Predict Size and Number of Overflows	January 15, 2010	January 13, 2010
Preliminary Report on Cost/Benefit Comparison to Predict Sizes and Number of Overflows	March 15, 2010	March 12, 2010
CSO Control Measure Cost/Benefit Tables at Appendix 2 of Attachment A	May 15, 2010	May 14, 2010
Updated Financial Capability Information	May 15, 2010	May 14, 2010
Post-Construction Monitoring Program	August 15, 2010	August 16, 2010
Proposed Long Term Control Plan Update	August 15, 2010	August 16, 2010
Proposed Long Term Control Plan Update Report	August 15, 2010	August 16, 2010
Final Long-Term Control Plan Update	October 15, 2010	October 15, 2010 Revised: February 28, 2011
Final Long-Term Control Plan Update Report	October 15, 2010	October 15, 2010 Revised: February 28, 2011 Revised: November 15, 2011 USEPA Approved: November 16, 2011 Ohio EPA Approved: April 11, 2012
Report on Revising WPCS Control Measure(s) if Akron achieves 130 MGD through secondary treatment using step feed	October 15, 2016	October 14, 2016
Report on Revising WPCS Control Measure(s) if Akron constructs the WPCS Contingency Project	October 15, 2017	N/A

2.A.1 Development of an Integrated Plan

The City's LTCP Update was approved by USEPA on November 16, 2011, and Ohio EPA on April 11, 2012. The LTCP Update was incorporated into the court-approved Consent Decree on January 17, 2014.

The City submitted an Integrated Plan on July 31, 2015, in accordance with USEPA's June 5, 2012, Integrated Planning Framework (IPF) Guidance. The parties participated in several conferences and exchanged several documents regarding the City's proposed Integrated Plan. The City continued to comply with the requirements within the Consent Decree, including, but not limited to, the LTCP Update, during the ongoing discussions of the proposed Integrated Plan.

The parties subsequently agreed to suspend further discussions over the proposed Integrated Plan. At the same time, it was understood that the City would submit requests to modify the LTCP Update, independent of the integrated planning process. Those proposed modifications are discussed in the following section.

2.A.2 Consent Decree Modifications

As a result of ongoing Consent Decree negotiations, modifications were made pursuant to Exhibit 2 and Exhibit 3 of the Consent Decree, and the Court has approved the First Amendment to Consent Decree, the Second Amendment to Consent Decree, and the Third Amendment to Consent Decree. Those modifications are discussed below.

The City received modification approval letters under Exhibit 3 of the LTCP for the following green infrastructure ("GI") projects:

- Rack 36 – approval letter issued on October 30, 2015
- Rack 5/7 – approval letter issued on December 7, 2015
- Rack 22 – approval letter issued on December 7, 2015

Based upon a subsequent agreement of the parties, the City has constructed the original Rack 22 storage basin in lieu of the approved green infrastructure project.

On January 15, 2016, the City submitted an Alternative Plan to the Sizing of Secondary Treatment Capacity under Exhibit 2 of the LTCP Update. USEPA approved the City's Alternative Plan on February 11, 2016. Based on this approval, the WPCS Phase 2 projects were then subject to the requirements of the LTCP Update Rows 17 and 18.

The Court entered the First Amendment to the Consent Decree on September 20, 2016, which modified the Consent Decree as follows: (1) changed the sequencing of the WPCS Phase 2 projects and (2) replaced the MOI parallel relief sewer project with the MOI capping project. The First Amendment to Consent Decree switched the deadlines for the projects in LTCP Update Rows 17 and 18 and replaced the original LTCP Update Rows 21 and 22 with new Rows 21, 22 and 23.

The Court entered the Second Amendment to the Consent Decree on December 17, 2019 which further modified the Consent Decree as follows: (1) replaced the requirement for the BioACTIFLO facility in LTCP Update Row 18 with a BioCEPT facility and a demonstration study as now required in new LTCP Update Rows 18 and 18.a., respectively; and (2) replaced the Racks 3, 26/28 and

27/29 storage basins required in LTCP Update Rows 1, 8 and 9 with upsized underflow drains and pipes ("optimized conveyance") and two GI projects, including GI operation and maintenance ("O&M") requirements, and increased the size of the Rack 10/11 storage basin required in Row 3 from 2.5 MG to 4.5 MG. LTCP Update Rows 1, 3, 8 and 9 are now replaced with amended Rows 1, 3, 8 and 9 and new Rows 1.a., 8.a., and 9.a.

The Court entered the Third Amendment on November 28, 2023, which modified the Consent Decree by replacing the Northside Interceptor Tunnel (NSIT") descripted in Row 12 of the original LTCP Update with a smaller diameter NSIT and the separation of the Rack 34 sewers. The Third Amendment replaced LTCP Update Row 12, with revised Row 12 and a new Row 12.a.

In the United States' April 8, 2022, Status Report to the Court, the United States advised the Court and Akron that the United States did not agree with Akron's and the State of Ohio's position that the NSIT deadlines have been stayed during the pendency of the dispute over the NSIT project. As a result, Akron submitted a Notice of Dispute to the parties on April 18, 2022, regarding the applicability of the stay provisions in Paragraph 67 of the Consent Decree to the NSIT deadlines. Akron has met the bid deadlines of the modified NSIT project without relying upon the stay. Akron's current estimate provides that the modified NSIT project will be in operation within the original LTCP Row 12 deadlines. If Akron is able to complete the project within the LTCP Row 12 deadlines, it will not be necessary for the parties to go through the formal dispute resolution process over the applicability of the stay provisions in Paragraph 67. As a result, the parties have extended the informal dispute resolution period until January 13, 2024, and then extend at six month increments thereafter until the NSIT is completed, pursuant to Paragraph 71 of the Consent Decree. Any party may give written notice that it no longer agrees to the extension of the period for informal dispute resolution and, after receiving or providing such notice, Akron may pursue the dispute through formal dispute resolution in accordance with Paragraph 72 of the Consent Decree.

The City has proposed modifying Row 11.a. of the LTCP Update and eliminating the EHRT and replacing that requirement with alternative projects. On August 3, 2022, the United States sent the City a letter informing the City that the United States did not support the City's proposal to modify Row 11.a. The United States also represented that the State did not presently support the modification request due the absence of an alternative project. On September 12, 2022, Akron submitted a Notice of Dispute under Section XIV regarding the proposed modification of Row 11.a. The parties engaged in informal negotiations under the Consent Decree dispute resolution provisions. On July 17, 2023, Akron submitted a Statement of Position to the United States and the State of Ohio invoking the formal dispute resolution procedures under Paragraph 72. On July 31, 2023, Ohio submitted a Statement of Position to the other parties confirming that Ohio supports Akron's proposed modification. On August 31, 2024, the U.S. submitted its Statement of Position and opposed Akron's proposed modification. On September 15, 2023, Akron filed its Motion for Judicial Review of Dispute Regarding the EHRT with the District Court. On March 1, 2024, the District Court issued an order denying Akron's motion. Akron filed a Notice of Appeal on April 1, 2024, and the matter is now pending before the Sixth Circuit Court of Appeals.

It is Akron's position (which is shared by Ohio) that the deadlines for the EHRT have been stayed pursuant to Paragraph 67 of the Consent Decree. On October 11, 2023, the United States filed a Notice of Update to its October 6, 2023, Status Report representing that the United States disagreed with the representations made in Akron's and the State of Ohio's prior status reports that the stay provision in Paragraph 67 of the Consent Decree applies to the EHRT deadlines in Row 11.a. of the LTCP update. On October 20, 2023, Akron filed its Response to the United

States' Update. On that same day Akron also submitted a Notice of Dispute to the United States and Ohio regarding the applicability of the stay provisions in Paragraph 67 of the Consent Decree to the EHRT deadlines. Akron then invoked the Consent Decree's formal dispute resolution procedures, and the Parties' exchanges statements of position. On May 3, 2024, Akron filed a Motion for Judicial Review regarding the applicability of paragraph 67 with the District Court. On May 17, 2024, Ohio filed a Response supporting Akron's motion, and the U.S. filed a Memorandum in Opposition. On December 2, 2024, the District Court ruled on the motion, holding that the stay provision in Paragraph 67 did not apply to the EHRT deadlines. Akron filed a Notice of Appeal of this decision on December 16, 2024, and the matter is now pending before the Sixth Circuit Court of Appeals.

Akron previously filed a Motion to Stay the EHRT deadlines with the Sixth Circuit Court of Appeals. On December 10, 2024, the Sixth Circuit denied Akron's motion. However, in its ruling, the Sixth Circuit did not rule upon the applicability of the automatic stay provision in Paragraph 67, holding that the issue must first be resolved by the District Court. On December 17, 2024, Akron filed a Renewed Motion to Stay in both appeals. Akron's motion is currently pending before the Sixth Circuit.

2.B Progress Towards Completing Milestones in Approved LTCP Update

Progress on completing milestones, including status of progress toward Achievement of Full Operation, for each of the WPCS and CSO Control Measures set forth in the approved LTCP Update is provided in Table 2-2. The Consent Decree was entered January 17, 2014, and amendments were entered on September 20, 2016, December 17, 2019, and November 28, 2023. In addition, under USEPA's Integrated Plan Framework, during this reporting period the City continued with Long Term Control Plan Optimization to evaluate and identify alternative solutions for the controls listed in the LTCP Update that have yet to be constructed.

Completed projects or rows that are no longer applicable are shaded gray.

Table 2-2 Status of Progress and Cost Incurred During Reporting Period For Control Measures Set Forth in Approved LTCP Update

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
1	Rack 3	Green infrastructure plus optimized conveyance	Bidding of Control Measure – June 30, 2018. Achievement of Full Operation – November 30, 2020.	The Court entered the Second Amendment to the Consent Decree December 17, 2019, which replaced the storage basin with Green infrastructure plus optimized conveyance. Project complete. Kelly Conveyance (CSO Rack 3) Notice to Proceed was issued on December 5, 2019. Achievement of Full Operation occurred on November 9, 2020. Chittenden Green Project (CSO Rack 3) Notice to Proceed was issued on May 7, 2019. Achievement of Full Operation occurred on May 5, 2020. Duane Green Project (CSO Rack 3) Notice to Proceed was issued on January 14, 2020. Achievement of Full Operation occurred on November 25, 2020.	No costs were incurred during the reporting period.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
1.a.	Rack 3	Develop and implement GI O&M Plans	Submit O&M Plan in accordance with Exhibit 7, no later than August 30, 2020	The City submitted the required GI O&M Plan on August 26, 2020. U.S. EPA provided the City of Akron with written comments to the GI O&M Plan on November 18, 2020, and the parties discussed U.S. EPA's comments on November 19, 2020. The City of Akron then revised the GI O&M Plan to address U.S. EPA's comments and provided the revised version to U.S. EPA on December 10, 2020. On December 17, 2020, U.S. EPA informed the City of Akron that the revised plan was acceptable. The City formally submitted the revised O&M Plan on January 27, 2021, and U.S. EPA subsequently issued a formal approval.	No costs were incurred during the reporting period.
2	Rack 5 and 7	Green Infrastructure and Sewer Separation (Per Exhibit 3)	Bidding of Control Measure – October 31, 2015. Achievement of Full Operation – October 31, 2017.	Project complete. Achievement of Full Operation occurred on October 26, 2017.	No costs were incurred during the reporting period.
3	Racks 10 and 11	Storage Basin(s)	Bidding of Control Measure – June 30, 2018. Achievement of Full Operation – December 31, 2020.	The Court entered the Second Amendment to the Consent Decree December 17, 2019, which increased the size of the storage basin from 2.5 to 4.5 MG. Project complete. Achievement of Full Operation occurred on July 23, 2020.	No costs were incurred during the reporting period.
4	Rack 12	Storage Basin(s)	Bidding of Control Measure – November 30, 2014.	Project complete.	No costs were incurred during the reporting period.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
			Achievement of Full Operation – October 31, 2017.	Achievement of Full Operation occurred on October 30, 2017.	
5	Rack 14	Storage Basin(s)	Bidding of Control Measure – October 31, 2014. Achievement of Full Operation – April 30, 2017.	Project complete. Achievement of Full Operation occurred on January 3, 2017.	No costs were incurred during the reporting period.
6	Rack 15	Storage Basin(s)	Bidding of Control Measure – November 30, 2013. Achievement of Full Operation – October 31, 2015.	Project complete. Project placed in service on October 30, 2015. Achievement of Full Operation occurred on February 17, 2016.	No costs were incurred during the reporting period.
7	Rack 22	Storage Basin(s)	Bidding of Control Measure – October 31, 2015. Achievement of Full Operation – December 31, 2017.	Project complete. Achievement of Full Operation occurred on November 29, 2017.	No costs were incurred during the reporting period.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
8	Rack 26 and 28	Green infrastructure plus optimized conveyance	Bidding of Control Measure – October 31, 2021. Achievement of Full Operation – December 31, 2022.	The Court entered the Second Amendment to the Consent Decree December 17, 2019, which replaced the storage basin with Green infrastructure plus optimized conveyance. Construction of the Aqueduct Green Street Improvements project was completed on December 17, 2018.The Rack 26 construction was completed on December 19, 2022.The Rack 28 work was completed as a change order to the Rack 27 and 29 project to coordinate with other work on Memorial Parkway. Construction was completed on May 6, 2022. Project complete. Achievement of Full Operation occurred on December 22, 2022.	Project costs incurred during the reporting period were approximately $262,785.11.
8.a.	Rack 26 and 28	Develop and implement GI O&M Plans	Submit O&M Plan in accordance with Exhibit 7, no later than March 1, 2019	U.S. EPA issued an approval of the City's O&M Plan on October 23, 2019. GI performance reporting is provided in Appendix H.	Costs are reported in Section 2C as part of the overall Program costs.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
9	Rack 27	Optimized conveyance	Bidding of Control Measure – January 31, 2018. Achievement of Full Operation – December 31, 2019.	The Court entered the Second Amendment to the Consent Decree December 17, 2019, which replaced the storage basin with optimized conveyance. The Notice to Proceed was issued on November 5, 2018. Project complete. Achievement of Full Operation occurred on December 21, 2019.	No costs were incurred during the reporting period.
9.a.	Rack 29	Optimized conveyance	Bidding of Control Measure – January 31, 2018. Achievement of Full Operation – December 31, 2019.	See Row 9 above for the project update.	See Row 9 above for project costs.
10	Rack 36	Green Infrastructure and Sewer Separation (Per Exhibit 3)	Bidding of Control Measure – October 31, 2015. Achievement of Full Operation – October 31, 2017.	Project complete. Achievement of Full Operation occurred on October 30, 2017.	No costs were incurred during the reporting period.

11	Racks 4, 16, 17, 18, 19, 20, 23, 24, 37	Ohio Canal Tunnel – Construct a 28-foot internal diameter tunnel, 5,500 feet in length, or any other combination of diameter and length that achieves the design criteria.	Bidding of Control Measure – April 30, 2014. Achievement of Full Operation – December 31, 2018.	Notice to Proceed was issued on November 6, 2015. On September 21, 2017, the City submitted a notification that the City has reason to believe that the Ohio Canal Interceptor Tunnel (OCIT) project will not meet the Achievement of Full Operation deadline. The City submitted an amendment to this notification on October 17, 2017. The parties then participated in a conference call on November 29, 2017, and further discussed the status of the schedule of the project. The parties agreed that the City would submit periodic updates on the status of the schedule of the project. The City continued to provide U.S. EPA and Ohio EPA with updated during this reporting period. The OCIT was placed into operation in stages. The racks controlled by the OCIT were tied into, and then controlled by, the OCIT beginning on March 3, 2020. As of May 29, 2020, over 90% of the flow from the racks was tied into and controlled by OCIT. The remaining racks were tied into the OCIT as of June 13, 2020. See Table 2-3 below for the tie in dates of the racks and the associated percentage of total flow. Achievement of Full Operation occurred on June 29, 2020, with the submission of O&M Plans. Construction was substantially complete as of June 7, 2021.	Project costs incurred during the reporting period were approximately $15,504.55.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
11a	Racks 16, 17, 18, 19, 20, 23, 24	Ohio Canal Tunnel – ACTIFLO™ Ballasted Flocculation Unit or equivalent technology that meets the Design and Performance Criteria and Disinfection.	Bidding of Control Measure – April 30, 2024. Achievement of Full Operation – October 31, 2027. It is Akron's position that these deadlines have been stayed pursuant to Paragraph 67 of the Consent Decree.	See discussion under Section 2.A.2., above, regarding Akron's proposed modification and the status of the legal proceedings regarding the proposed modification. As a result of the stay provision in Paragraph 67, and Akron's Renewed Motion to Stay pending before the Sixth Circuit, Akron has not finalized the plans and specifications for the EHRT facility, nor has Akron started the bidding process for selecting a contractor to construct the EHRT facility.	Costs were incurred on the EHRT preliminary design, but not expended as the consultant contract is still being finalized. Expended costs will be provided in next report.
12a	Racks 32, 33, 35	Northside Interceptor Tunnel -Construct a 16-foot internal diameter tunnel, 6850 feet in length or any other combination of diameter and length that achieves the design criteria (Amendment No. 3).	Bidding of Control Measure – April 30, 2023. Achievement of Full Operation – December 31, 2026.	The Court entered the Third Amendment to the Consent Decree November 28, 2023, which provided for a smaller 16-foot internal diameter tunnel. Construction is underway.	Project costs incurred during the reporting period were approximately $43,049,355.25.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
12b	Rack 34	The Riverside Sewer Separation Project - Construction of new storm sewers in the North Hill neighborhood located along Riverside Drive and along streets that are located between Big Falls and Drexel Avenue. (Amendment No. 3).	Bidding of Control Measure – December 31, 2022 Sewer Separation Substantially Complete – December 31, 2024 Rack 34 Overflow Structure Eliminated – December 31, 2026 A preconstruction meeting was held. Work began on utility relocations and water main offsets.	The Court entered the Third Amendment to the Consent Decree November 28, 2023, which requires the separation of the Rack 34 combined sewers. Control Measure Advertised: November 15, 2022 Achievement of Substantial Completion – October 4, 2024	Project costs incurred during the reporting period were approximately $4,457,030.23.
13a	WPCS Phase 1	Upgrade conventional secondary treatment capacity to 130MGD by implementing step feed operation in Train 6, as described in Paragraph 10.A of the Consent Decree.	Bidding of Control Measure – October 31, 2011. Achievement of Full Operation – October 15, 2013.	Project complete (see Section 1.A of this Semi-Annual Report).	No costs were incurred during the reporting period.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
13b	WPCS Phase 1	Upgrade conventional secondary treatment capacity to 130MGD by performing the upgrades identified in the Consent Decree in Section V.10. C.	Bidding of Control Measure – January 15, 2016. Achievement of Full Operation – October 15, 2017.	Since the Final Demonstration Testing Evaluation Report concluded that the step feed and clarifier upgrades to Unit 6 have achieved 30 MGD of wet weather treatment capacity, this Consent Decree item is not required.	No costs were incurred during the reporting period.
14	WPCS Phase 1 BioACTIFLO™ Wet Weather Treatment Pilot Study (the "Pilot Study")	Conduct the Pilot Study in accordance with Exhibit 1 to this Long-Term Control Plan Update.	Pilot Study Start Date – May 1, 2012. Pilot Study Completion Date – November 30, 2013. Pilot Study Report submitted to EPA by December 31, 2013.	Study is complete. USEPA issued a concurrence letter on April 8, 2015.	No costs were incurred during the reporting period.
15	WPCS Phase 2 – Part 1*	Upgrade conventional secondary treatment capacity to 170 MGD.	Bidding of Control Measure – February 28, 2019. Achievement of Full Operation – December 31, 2021.	This project was replaced by WPCS Alternative Plan A Phase 2 – Part 1 per US EPA approval of Alternate Plan A on February 11, 2016.	No costs were incurred during the reporting period.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
16	WPCS Phase 2 – Part 2*	Install BioACTIFLO™ ballasted flocculation to treat all flow that does not receive conventional secondary treatment. In addition, all flows receiving BioACTIFLO™ shall receive disinfection.	Bidding of Control Measure – April 30, 2017. Achievement of Full Operation – April 30, 2019.	This project was replaced by WPCS Alternative Plan A Phase 2 – Part 2 per US EPA approval of Alternate Plan A on February 11, 2016.	No costs were incurred during the reporting period.
17	WPCS Alternative Plan A – Phase 2 – Part 1*	Upgrade conventional secondary treatment capacity to achieve the minimum sustained capacity specified in Alternative Plan A approved by USEPA.	Bidding of Control Measure – April 30, 2017. Achievement of Full Operation – April 30, 2019.	USEPA issued an approval of Alternative Plan A on February 11, 2016, to upgrade conventional secondary treatment capacity to 220 MGD. The construction Notice to Proceed was issued on August 24, 2016. Project complete. Achievement of Full Operation occurred on April 30, 2019. The sequence of the WPCS Alternative A Phase 2, Part 1(Row 17) and Phase 2 Part 2 projects was changed under the First Amendment to the Consent Decree, entered on September 20, 2016. The revised dates are shown in this report.	No costs were incurred during the reporting period.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
18	WPCS Alternative Plan A – Phase 2 – Part 2*	Install – BioCEPT to achieve a minimum capacity of 60 MGD. In addition, all flows receiving BioCEPT shall receive disinfection during the recreation season.	Bidding of Control Measure – February 28, 2019. Achievement of Full Operation – December 31, 2021.	BioCEPT is to achieve a minimum sustained capacity of 60 MGD. Achievement of Full Operation occurred on December 27, 2021. Project complete. The BioCEPT Demonstration Study Final Report was submitted on February 16, 2023. The sequence of the WPCS Alternative A Phase 2, Part 1 (Row 17) and Phase 2 Part 2 projects were changed under the First Amendment to the Consent Decree, entered on September 20, 2016. The revised dates are shown in this report. The Court entered the Second Amendment to the Consent Decree December 17, 2019, which replaced the BioACTIFLO facility with a BioCEPT facility and an additional demonstration study. The replacement project was approved by USEPA and Ohio EPA, see Section 2.A.2.	Project costs incurred during the reporting period were approximately $5,934.20.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
19	WPCS Alternative Plan B – Phase 2 – Part 1*	Upgrade conventional secondary treatment capacity to achieve the minimum sustained capacity specified in Alternative Plan B approved by USEPA.	Bidding of Control Measure – December 31, 2019. Achievement of Full Operation – December 31, 2021.	Not Applicable	No costs were incurred during the reporting period.
20	WPCS Alternative Plan B – Phase 2 – Part 2*	Install BioACTIFLO™ ballasted flocculation to achieve the minimum capacity specified in Alternative Plan B approved by USEPA. In addition, all flows receiving BioACTIFLO™ shall receive disinfection.	Bidding of Control Measure – April 30, 2017. Achievement of Full Operation – April 30, 2019.	Not Applicable	No costs were incurred during the reporting period.

*Alternative Plan to Upgrading Conventional Secondary Treatment to 170 MGD:

- 1) If US EPA approves in writing an Alternative Plan A, in accordance with Exhibit 2 to the LTCP update, then Akron shall implement the control measures specified in the First Amendment in Rows 17 and 18, instead of the control measures specified in Rows 15 and 16
- 2) If US EPA approves in writing an Alternative Plan B, in accordance with attachment to the LTCP update, then Akron shall implement the control measures specified in the First Amendment in Rows 19 and 20, instead of the control measures specified in Rows 15 and 16

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
(2) Collection System Measures					
21	Main Outfall Sewer Upgrades – Phase I	Installation of pneumatically placed steel reinforced mortar cap over the entire length of the brick-arch section of the Main Outfall Interceptor ("MOI") that runs between Survey Station 83+00 and the rectangular bridge section that is located upstream of the WPCS ("the Bridge Section"). The Bridge Section is not of brick-arch construction, and the approximately 400-foot portion of the MOI between the Bridge Section and the WPCS is covered with soil. As part of Phase I, a limited amount of additional soil will be added to the brick-arch portion of the MOI between the Bridge Section and the WPCS headworks.	Bidding of Control Measures: May 4, 2016 Achievement of Full Operation: November 30, 2017.	Project complete. Achievement of Full Operation occurred on November 22, 2016.	No costs were incurred during the reporting period

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
22	Main Outfall Sewer Upgrades – Phase II	Additional soil will be added to the soil cap on the brick-arch portion of the MOI between the Bridge Section and the WPCS headworks, after the completion of, and subject to the results of, a geotechnical and engineering evaluation will be to determine the amount of additional soil cover, up to 2 feet, that can be placed on the remaining brick-arch portion of the MOI between the Bridge Section and the existing WPCS headworks without causing excessive settlement of that portion of the MOI. The parties understand that the City may eliminate and/or improve some of the brick-arch portion of the MOI between the Bridge Section and the existing WPCS headworks project. Any improvements to the brick-arch portion of the MOI between the Bridge Section and the existing WPCS headworks through construction of a proposed WPCS headworks project. Any improvements to the brick-arch portion of the MOI between the Bridge Section and the existing WPCS headworks project shall ensure structural integrity such that the improved portion of the enclosed conduit of the MOI withstands at least 5 feet of surcharge.	Completion of engineering evaluation: May 30, 2017 Completion of placement of additional soil: November 30, 2017	Project complete. Engineering evaluation completed and submitted to EPA on May 22, 2017. Achievement of Full Operation for the Soil Cap occurred on November 15, 2017.	No costs were incurred during the reporting period.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
23	Main Outfall Sewer Inspection	Perform inspection and rehabilitation consistent with the Main Outfall Sewer Supplement to the Approved CMOM Program as outlined in Section VII of the Consent Decree	Full Operation shall be maintained consistent with Main Outfall Sewer Supplement to the Approved CMOM Program	Project complete.	No costs were incurred during the reporting period.

Table 2-3 Ohio Canal Interceptor Tunnel (OCIT) Flow Release Dates as of June 15, 2020

SEWER	FINAL RELEASE DATES	OVERALL	APRIL STORM	JULY STORM	AUGUST STORM
RACK 18	3/9/2020	28.81%	33.75%	26.68%	27.16%
RACK 19	4/16/2020	7.32%	5.98%	7.85%	7.83%
RACK 16 EAST	4/28/2020				
RACK 4	4/30/2020	2.71%	1.99%	3.03%	2.93%
RACK 17	5/5/2020	9.72%	8.33%	10.37%	10.11%
RACK 23	5/7/2020	0.35%	0.29%	0.37%	0.37%
RACK 37	5/13/2020	2.66%	2.52%	2.71%	2.70%
RACK 20	5/13/2020	0.47%	0.50%	0.46%	0.47%
RACK 38	5/21/2020				
RACK 16 WEST	5/29/2020	38.55%	31.89%	42.31%	39.75%
RACK 4 underflow	5/30/2020				
OCI	6/3/2020				
MARKET ST.	6/10/2020	1.43%	1.71%	1.23%	1.44%
RACK 24	6/13/2020	6.98%	12.27%	3.94%	6.11%
TOTAL		**99.00%**	**99.23%**	**98.95%**	**98.87%**

2.C Project Cost Incurred

Project costs incurred by the City during the reporting period for each of the WPCS and CSO Control Measures set forth in the approved LTCP Update are provided in Table 2-2. The City incurred additional costs for regulatory support, design management, program controls, technical and right of way support, GI operation and maintenance and program management in the amount of approximately $535,563.24 during the reporting period.

2.D Status of Implementation of the Post-Construction Monitoring Program

The Post-Construction Monitoring Program (PCMP) was submitted on August 15, 2010, and in the revised Long-Term Control Plan on February 29, 2011. In response to comments from U.S. EPA, the City submitted a revised Program on December 14, 2012. U.S. EPA has recently asked the City to update the PCMP to reflect the changes in control measures due to the First and Second Amendment of the Consent Decree. The City is in the process of updating the PCMP for all three of the approved amendments accordingly.

2.E Listing of All CSO Discharges

CSO discharges from each CSO Outfall for the period July 1, 2024, through December 31, 2024, are listed in Appendix B. The listing also provides data on the depth and duration of rainfall at each of the City's thirteen (13) rain gauges. Racks 5, 7, 8, 9, 13, 20, 21, 23, 25, 30, 31, 36, 38 and 39 are not included in the table. Racks 13, 8, 25, 9 and 39 were separated on June 14, 2016, May 21, 2012, April 26, 2012, July 27, 2004, and August 18, 2000, respectively. Racks 5, 7, 21 and 36 were separated on October 13, 2017, October 3, 2017, July 18, 2017, and August 16, 2017, respectively. Rack 30 was separated on November 9, 2017. Racks 20 and 23 were tied into the OCIT and the discharge point eliminated on May 13, 2020, and May 7, 2020, respectively. Rack 31 discharges are included with Rack 40 (Cuyahoga Street Storage Facility). Rack 38 is a diversion chamber that routes flow within the combined sewer system.

2.F Status of Development of the Supplemental Compliance Plan

As of this reporting period, the Supplemental Compliance Plan is not required.

2.G Status of Public Participation Plan Implementation

The City of Akron continued its public participation program with regular updates to the AWR! Stakeholders Group, formally known as the Integrated Plan Stakeholder Group and as the CSO Community Action Group (CAG), prior to that. During the reporting period, the following IP Stakeholder group meeting was held:

- Informational E-mail concerning Northside Interceptor Tunnel, August 10, 2024

The City's public participation efforts also included presentations made at the following events and public meetings during the reporting period:

- Blazing Paddlefest, Cleveland, September 15, 2024
- NEORSD Open House, September 21, 2024
- NPR Interview, September 26, 2024University of Akron Fall into Nature, October 5, 2024

- Northside Interceptor Tunnel / Ohio Canal Interceptor Tunnel Open House, October 19, 2024
- 2024 River Rat Revelry, Friends of the Crooked River, November 12,2024
-

Copies of presentations and distributed materials are included in Appendix C.

The City of Akron has posted updated program information to the Akron Waterways Renewed (AWR!) website (www.akronwaterwaysrenewed.com), in addition the website has been redesigned. Figure 2-1 is a picture of the home page of the AWR! website.

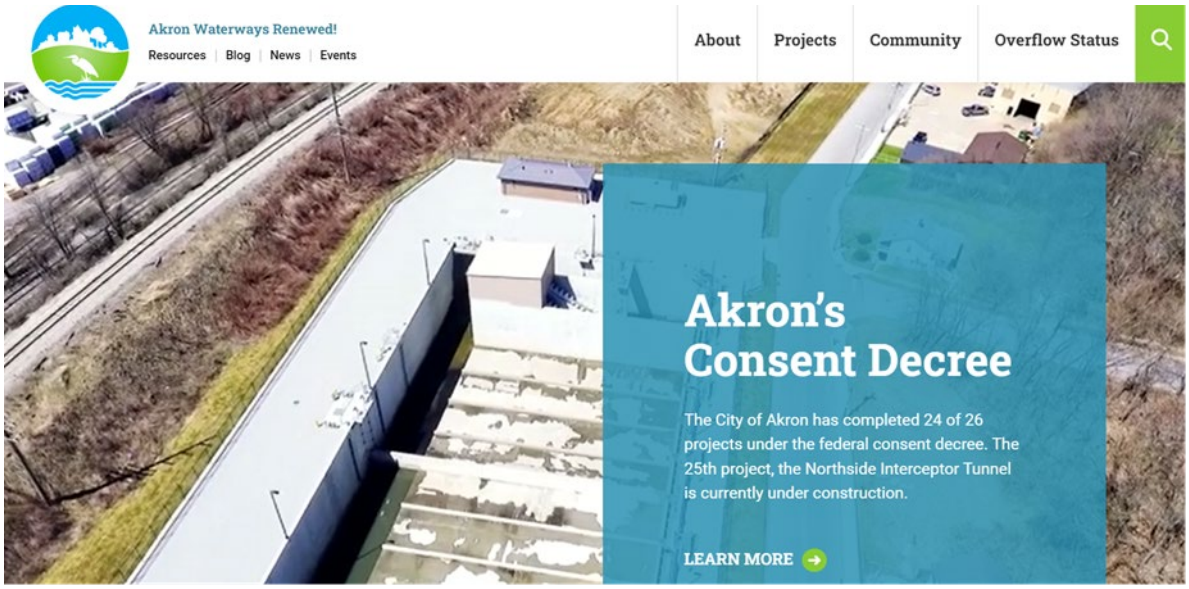

Figure 2-1 Akron Waterways Renewed Home Webpage

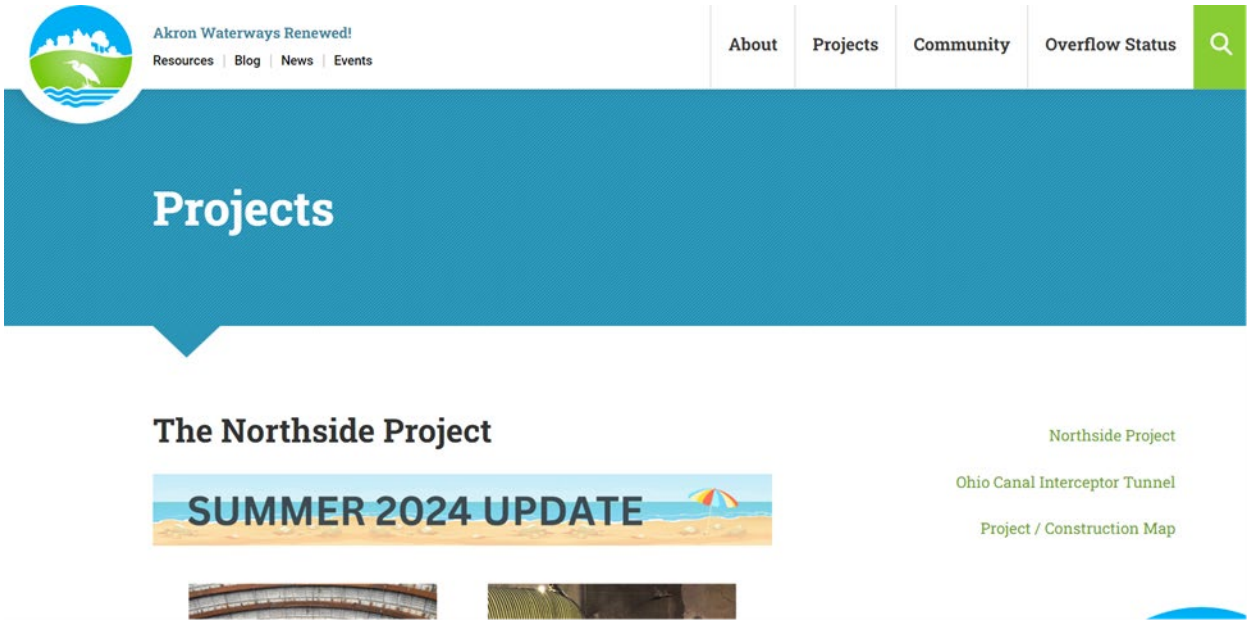

Figure 2-3 Akron Waterways Renewed Website Project Page

Section 3: CMOM, Grease Control, and Emergency Response Programs

3.A List of all SSO and CSS Releases During Reporting Period

Appendix D provides a list of SSOs and CSS Releases, including Building/Property Backups, during the reporting period.

3.B System Inspection

Table 3-1 provides the number of miles and percentage of system inspected during the reporting period.

3.C Manhole Inspection

Table 3-2 provides the number and percent of manholes inspected during the reporting period.

3.D System Cleaning

The number of miles and percentage of the system cleaned during the reporting period are provided in Table 3-3.

3.E List of Defects

The comprehensive list of defects identified in Akron's system, and a list identifying acute defects, and a schedule to repair the defects (including date repaired if the defect has already been repaired) are included in Appendices E and F.

Table 3-1 System Inspection

	Current Reporting Period		Previous Year		Previous Five Years		Accumulative Totals	
Period	**Miles Inspected**	**Percentage Inspected**	**Miles Inspected**	**Percentage Inspected**	**Miles Inspected**	**Percentage Inspected**	**Miles Inspected**	**Percentage Inspected**
July 1 - December 31, 2024	43.85	5.21*	100.43	11.95*	797.15	94.79*	841.00	100.00*

*Based on 841.00 miles in system

Table 3-2 Manhole Inspection

	Current Reporting Period		Previous Year		Previous Five Years		Accumulative Totals	
Period	**Manholes Inspected**	**Percentage Inspected**	**Manholes Inspected**	**Percentage Inspected**	**Manholes Inspected**	**Percentage Inspected**	**Manholes Inspected**	**Percentage Inspected**
July 1 - December 31, 2024	1384	7.23**	3404	17.79**	17747	92.77**	19131	100.00**

**Based on 19131 manholes in system

Table 3-3 System Cleaning

	Current Reporting Period		Previous Year		Previous Five Years		Accumulative Totals	
Period	**Miles Cleaned**	**Percentage Cleaned**	**Miles Cleaned**	**Percentage Cleaned**	**Miles Cleaned**	**Percentage Cleaned**	**Miles Cleaned**	**Percentage Cleaned**
July 1 - December 31, 2024	43.85	5.21*	100.43	11.95*	797.15	94.79*	841.00	100.00*

*Based on 841.00 miles in system

3.F Maintenance and Training Activities

A. Pump stations and force main preventive maintenance activities were conducted in accordance with Item 2.E of the approved CMOM program.

B. 1384 manholes were inspected during the period beginning July 1, 2024, through December 31, 2024, and two were documented to have signs of heavy infiltration. If confirmed repairs are needed, they will be included in a future capital improvement plan.

Table 3-4 Manholes Documented with Heavy Infiltration

Manhole Asset ID	Location
741013	1931 Gregg Rd
304770	917 Eastwood Ave

C. The following sewer construction and rehabilitation projects were completed or are ongoing within the City of Akron during the reporting period:

a) Sanitary Sewer Reconstruction 2023 Lining (File 2022-020-00)

To rehabilitate the City's sanitary and combined sewer system, part of the City's annual sewer reconstruction program.

b) Sanitary Sewer Reconstruction 2021 Large Diameter Lining (File 2020-02-01)

To rehabilitate the City's sanitary and combined sewer system, part of the City's annual sewer reconstruction program.

c) Riverside Sewer Separation (CSO Rack 34) (File 2021-033-01)

Installing approximately 10,102 lineal feet of 12" – 42" storm sewer, 58 manholes, and 77 catch basins. The project also includes CIPP of existing sanitary sewers.

d) Northside Interceptor Tunnel (File 2021-033-00)

Construct a 16.5' diameter tunnel 6,660 feet long from Peck Rd to Front St., to collect flows from Racks 35, 34 (Separation), and 33. Construct a 2,136 foot long 8' diameter sewer to collect flows from Rack 32. Install approximately 850 lineal feet of new sewers. This project also includes CIPP of existing sanitary sewers.

e) Springfield Lake Trunk Sewer Lining (File 2022-053-00)

This Project involves the Rehabilitation of Springfield Lake outlet Sanitary Sewers and Manholes within The City of Akron. Reconstruction through the Cured- In- Place Process (CIPP). Total length lined 4,992 ft.

f) East Exchange Street Full Improvement (File 2016-007-00)

This Project involves the full improvement of East Exchange Street between Fountain Street and Arc Street – pavement, curb, sidewalk, bike lanes, streetlights, traffic signals, water main, sewer reconstruction (CIPP), and landscaping.

D. Root control program activities were conducted in accordance with Item 2.K of the approved CMOM program. As a component of the Accelerated Cleaning and Inspection Program, the Root List requires more frequent attention than the system wide maintenance activities. The City's approach is to inspect each of these root list locations on a modified schedule and provide cleaning only when it is determined those pipes need maintenance.

E. Training activities were conducted on the following topics. Date of training and number of employees receiving training are indicated in Table 3-5.

Table 3-5 Training Activities

Date	Course Title/Description	Number of Employees
7/10/2024	Webinar - PFAS Analysis by EPA 1633 - Building a Comprehensive Capability	3
7/16/2024, 7/17/2024	De - Escalation Training	44
8/6/2024	Time Management	12
8/8/2024	Webinar - Design, Startup and Operation of Utah's First Deammonification System	5
8/15/2024	Webinar - Daunting Challenges for the Future of Water & Wastewater	2
8/19/2024	Hazard Communication - Global Harmonized System	3
8/28/2024	Webinar - From Activated Sludge to Granular Sludge	34
9/4/2024	Webinar - Sustainable Phosphorus Removal	1
9/18/2024	Webinar - Optimizing Pump Station Management with Grundfos Connect	2
9/19/2024, 9/20/2024	Fire Safety Training	3
9/25/2024	Webinar - Automating PFAS Treatment Design	2
10/15/2024, 10/16/2024	2024 CMOM Plan & SORNP Training	41
10/21/2024	Stormwater Pollution Prevention Plan	33
10/29/2024, 10/30/2024, 10/31/2024	First Aid / CPR	42
11/7/2024	Webinar - Methane Emissions from Wastewater Treatment	1
11/20/2024	Webinar - Nitrous Oxide Emissions from Wastewater Treatment	1

3.G Grease Control Program

In accordance with Grease Control provisions in the approved CMOM program, this program includes inspection and/or cleaning of the known FOG trouble locations, which is part of the Accelerated Cleaning and Inspection Program.

3.G.1 List of SSO and CSS Releases Caused by Fats, Oils, and Grease (FOG)

Table 3-6 Releases Caused by Fats, Oils and Grease

Date	Location	Type of Release (SSO, Rack, Property Backup)	Add to FOG Trouble Spot List
12/30/2024	200 N. Wheaton Rd.	SSO	Yes

3.G.2 List of FOG Locations

A complete list of FOG Locations inspected and/or cleaned during the reporting period is included in Appendix G.

As stated in previous Semi-Annual Reports, to optimize the current schedule for the cleaning of locations suspected to have recurring grease accumulation, in 2013, the City began the CCTV inspection of each grease location on or around the next scheduled cleaning cycle to determine if significant grease accumulation has occurred. Based on the findings of the CCTV inspection, the frequency of cleaning at each grease location is adjusted accordingly. With the improvements initiated to control FOG at the source, it is anticipated that scheduled cleaning will be less efficient than periodic inspection, and cleaning only when needed.

3.G.3 FOG Education Efforts Undertaken During Reporting Period

The following educational efforts were undertaken and completed during the reporting period:

A. The City of Akron developed a website (https://www.akronohio.gov/) which includes a FOG page (https://www.akronohio.gov/cms/site/FOG/index.html) identifying the effects of fats, oils, and grease discharged into the sewer system and things property owners can do to prevent aforementioned discharges.

B. Akron Waterways Renewed Team developed a Program website (http://akronwaterwaysrenewed.com) which includes the City's educational FOG brochure (https://www.akronwaterwaysrenewed.com/sites/default/files/docs/clean-sewers-are-happy-sewers.pdf) among the topics covered was that of the proper handling of fats, oils, and grease.

3.H Green Infrastructure Performance Reporting

Green Infrastructure Performance Reporting can be found in Appendix H.

Section 4: Mud Run Pump Station

4.A Status of Mud Run Study and Report of Findings

Status of Study and Report of Findings

No activity during this reporting period. The Report of Findings was submitted to USEPA on January 15, 2012.

Date of Report Completion

No activity during this reporting period. Report of Findings submitted on January 15, 2012, per the Consent Decree.

Project Cost Incurred During Reporting Period

Report complete. No costs incurred during the reporting period.

4.B Status of Mud Run Pump Station Remedial Report

Status of Remedial Report

The Remedial Report is complete.

Date of Report Completion

The Remedial Report was completed on October 15, 2012. Additional comments were received after completion and were included in the revised Remedial Report submitted on August 13, 2013. Final written approval dated February 26, 2014, was received via email on March 3, 2014.

Project Cost Incurred During Reporting Period

Report complete. No costs incurred during the reporting period.

4.C Status of Mud Run Pump Station Design and Construction of Projects

Projects Status

Table 4-1 shows the current status of the Mud Run Pump Station design projects. Table 4-2 shows the current status of the Mud Run Pump Station construction projects.

Table 4-1 Status of Mud Run Pump Station Design Projects

Project	Status
Mud Run Trunk Sewer Lining	Design complete
Sevilla Trunk Sewer Reconstruction	Design complete
Mud Run Pump Station Improvements	Design complete
Mud Run Storage Basin Improvements	Design complete
Mud Run District Capacity Improvements	Design complete
Mud Run District Infiltration/Inflow Improvements	Design complete

Table 4-2 Status of Mud Run Pump Station Construction Projects

Project	Status
Mud Run Trunk Sewer Lining	Construction is 100% complete
Sevilla Trunk Sewer Reconstruction	Construction is 100% complete
Mud Run Pump Station and Storage Basin Improvements***	Construction is 100% complete
Mud Run District Capacity Improvements***	Construction is 100% complete
Mud Run District I/I Repairs	Construction is 100% complete
Mud Run District I/I Rehabilitation	Construction is 100% complete
NOTE: *** projects indicate those required for CD compliance.	

Anticipated Date of Report Completion

The Report of Findings was completed on January 15, 2012. The Remedial Report was submitted on August 13, 2013. Approval of the Remedial Report was issued on February 26, 2014. On October 31, 2014, a letter was issued by USEPA that agrees to extend the October 15, 2015, construction deadline set forth in paragraph 25 of the Consent Decree to January 8, 2016, in order to construct and achieve full operation of the projects approved under the Mud Run Pump Station Remedial Report. The projects marked with *** will require an Achievement of Full Operation date of January 8, 2016, to be in compliance with the Consent Decree. The other projects are not required to be completed by January 8, 2016, since the anticipated I/I reductions were not used in determining the required storage basin capacity to meet the Consent Decree requirements.

Project Cost Incurred During Reporting Period

Mud Run District Capacity Improvements - Project complete
Mud Run Pump Station & Storage Basin - Project complete
Mud Run District I/I Repairs - Project complete
Mud Run District I/I Rehabilitation - Project complete
Sevilla Trunk Sewer Reconstruction – Project complete

Section 5: Supplemental Environmental Project

The City's third and final payment to the Supplemental Environmental Project (SEP) escrow account was made during the January – July 2011 reporting period. At the request of the State of Ohio, the City transferred the funds in the SEP escrow account ($905,972.49) to the Friends of the Crooked River, via wire transfer. The wire transfer occurred on October 13, 2017, and the State of Ohio was provided with confirmation of the wire transfer. The City is not required to do anything further regarding the SEP.

Section 6: Other Necessary Information

On October 31, 2014, U.S. EPA and Ohio EPA approved the City's request to remove certain manholes and sewer segments from the City's CMOM inspection and cleaning program. The list included three sewer segments that are tributary to the Ohio Canal Interceptor and were scheduled to be abandoned at the time that the OCIT becomes operational. (Subsequent to receiving the October 31, 2014, letter, the City renumbered segment ID 367480 to 755830.) Page 3 of the letter includes the following provision related to the three specific sewer segments that are tributary to the Ohio Canal Interceptor:

> If the City chooses not to abandon or eliminate these sewers by December 31, 2018, you must notify EPA and OEPA of this decision in writing, and you will have to inspect, clean, provide a conditional assessment and correct deficiencies in compliance with Attachment C, Section 2 of the CD no later than April 30, 2019.

The City was unable to abandon these lines until the OCIT project had been completed and the tunnel became operational. The City submitted its original request to remove these segments from the CMOM inspection and cleaning cycle because these segments carry high velocity flows that prevent the City from inspecting and cleaning the segments. Due to the high velocity flows, it is believed that these sewer segments are self-cleaning.

The City determined to abandon two of these segments at the time the OCIT tunnel became fully operational on June 13, 2020. Segment 368243 will not be abandoned. On August 3, 2020, the segment was inspected and defects to the invert of the brick sewer were identified. As a result of the inspection that City was able to confirm that this segment was self-cleaning due to the high velocity flows. As a result, no additional cleaning was required for this segment. Invert repairs were made on September 24, 2020, and the segment was reinspected on September 29, 2020. This segment was lined in March 2021.