



Water Quality Program

Permit Submittal Electronic Certification

Permittee: SPOKANE RIVERSIDE PARK WATER RECLAMATION FACILITY

Permit Number: WA0024473

Site Address: 4401 N AUBREY L WHITE PKWY
SPOKANE, WA 99205

Submittal Name: Combined Sewer Overflow (CSO) Annual Report

Version: 1

Due Date: 10/1/2023

Comments: Attached is the CSO Annual Report covering 2022. The report includes a cover letter.

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mike Lowdon

4/11/2023 7:15:43 AM

Signature

Date



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April 10, 2023

Diana Washington
Water Quality Program
Washington State Department of Ecology
4601 North Monroe
Spokane, WA 99205

Re: City of Spokane Combined Sewer Overflow (CSO) Annual Report – 2022

Dear Ms. Washington:

Enclosed for review and approval is the City of Spokane's 2021 CSO Annual Report as required in Section S14.D of the City's NPDES Permit (WA-002447-3). The 2022 annual CSO overflow volume to the Spokane River of approximately 11.2 million gallons - the majority of which was due to a rain/snowmelt event in December. There were no overflows to Latah Creek in 2022. This report will be posted within a few weeks to the City's Wastewater Management website: <https://my.spokanecity.org/publicworks/wastewater/cso>

Per the permit requirements, CSO maintenance records have been included as an appendix to this report. Please contact me if you have any questions about this report.

Sincerely,

Raylene Gennett
Director – Wastewater Treatment

Enclosure (1): 2022 CSO Annual Report (1 Copies)

cc: (W/O Enclosure):
Marlene Feist, Director of Public Works
Mike Cannon, Plant Manager – RPWRF
Duane Studer, Principal Engineer – Wastewater Management
Mike Lowdon, Operations Superintendent – Wastewater Management
Darin Evans, Instrumentation & Data Supervisor – Wastewater Management
Fred Brown, Principal Engineer – RPWRF
Chris Peterschmidt, Principal Engineer – RPWRF
Sibyl Spence – Sewer Department Files
Cheryl Riddle – RPWRF Files



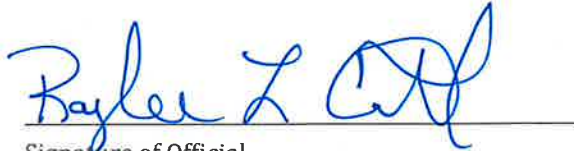
COMBINED SEWER OVERFLOW ANNUAL REPORT- 2022

Protecting the Spokane River



CERTIFICATION STATEMENT

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.


Signature of Official

4-10-2023

Date

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Section 1: Introduction

The City of Spokane's 2022 Annual CSO Report is submitted to meet two sets of regulations: the National Pollutant Discharge Elimination System (NPDES) permit program, as authorized by the Clean Water Act (CWA) under Title 33 United States Code, Section 1251, and the Washington State Department of Ecology (WSDOE) Water Pollution Control Law under Chapter 90.48 Revised Code of Washington. WSDOE administers the NPDES Permit program under a delegation from the U.S. Environmental Protection Agency (EPA).

This annual report is also submitted to share information with the public on activities that improve the City of Spokane's wastewater collection system and operations with the goal of minimizing pollution of the Spokane River. The report is organized in the following order:

- Section 1: Introduction
- Section 2: Operation and Maintenance Activities
- Section 3: Capital Activities
- Section 4: Monitoring Program and Monitoring Results
- Section 5: Operations and Maintenance Plan for CSO Regulators and Outfalls
- Section 6: Fats, Oils, and Grease (FOG) Investigations
- Section 7: CSO Maintenance Records

Additional information about the Combined Sewer Overflow Program and Integrated Plan may be found at: <https://my.spokanecity.org/publicworks/wastewater/cso/> and <https://my.spokanecity.org/publicworks/wastewater/integrated-plan/>

1.1 CITY OF SPOKANE COMBINED SEWER SYSTEM

The City of Spokane's wastewater collection system includes sanitary sewers and combined sewers, as shown in Figure 1-1. In areas of the City served by combined sewers, runoff from the street enters the system through catch basins where it is combined with sewage and conveyed to the Riverside Park Water Reclamation Facility (RPWRF). In the downtown area, rainwater from some roof drains also enters the combined system. At the end of 2022, there were approximately 869 miles of sanitary sewer gravity lines and 14 miles of sanitary sewer force mains.

In areas of the City that are fully or partially separated, runoff from City streets enters either separated storm sewers that convey stormwater to the Spokane River or Latah (Hangman) Creek, or directly to ground through drywells or bio-infiltration swales. Runoff, which is collected and discharged in a manner *other* than evaporation or a combined sewer system, is regulated under a separate set of regulations, including the 2019-2024 Eastern Washington Phase II Municipal Stormwater Permit and the Underground Injection Control (UIC) regulations.

During storm events, the volume of runoff flowing into the collection system can exceed the capacity of the combined sewer system interceptor pipes and treatment plant. When this occurs, the collection system overflows via outfall pipes to the Spokane River or Latah (Hangman) Creek. As of the end of 2022, there are 19 combined sewer overflow regulators that overflow to 17 combined sewer overflow outfall pipes.

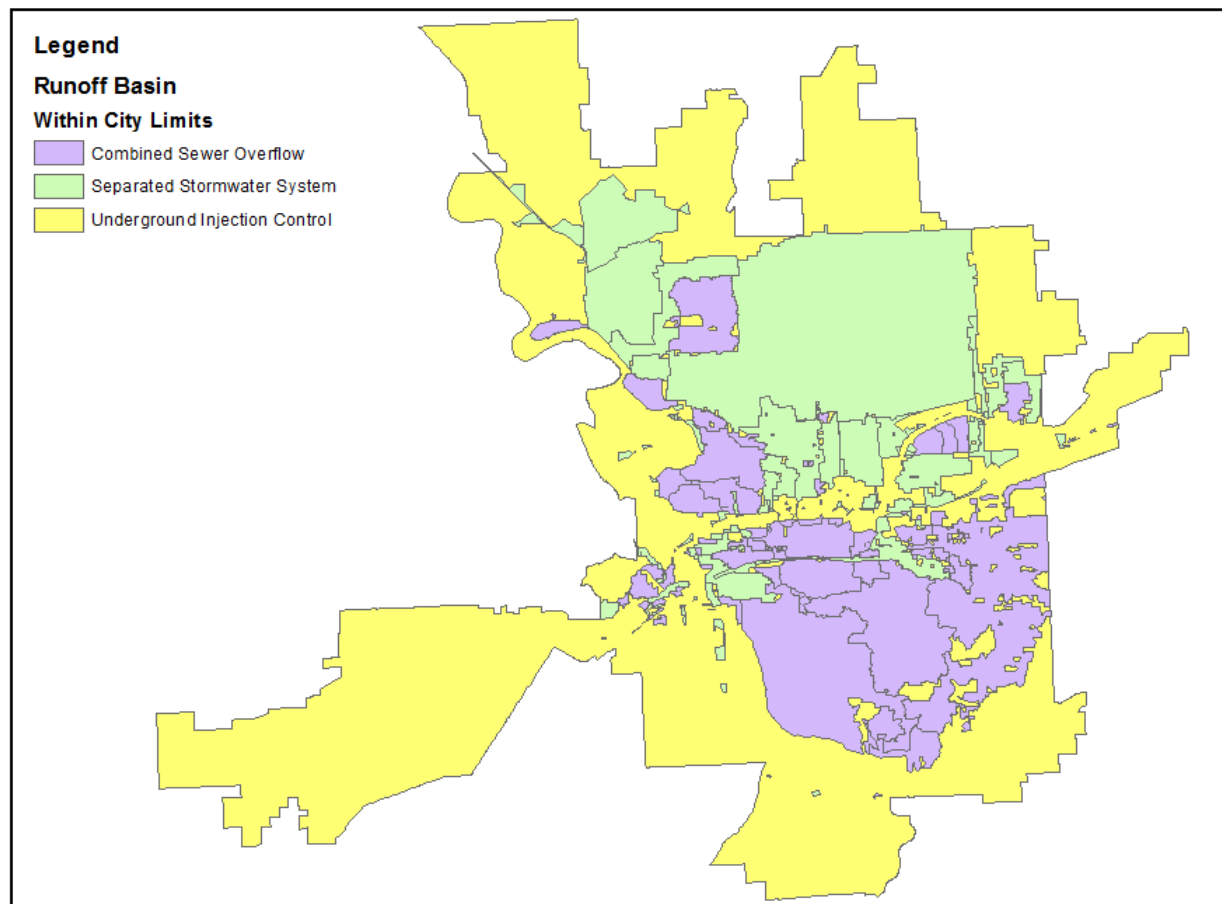


FIGURE 1-1 MAP OF CSO / STORM / UIC AREAS

1.2 SPOKANE'S SEWER SYSTEM HISTORY

The first sewer line in Spokane was built under Howard Street from First Avenue to the Spokane River in June 1888. In the 1890s, the area from the base of the South Hill to the river between Cedar and Division Streets was sewered. Growth of the system paralleled the City's growth through the years as several hundred miles of sewer lines of various sizes and materials were added, all emptying into the Spokane River or Latah (Hangman) Creek.

In 1946, a bond issue was passed to construct intercepting lines to convey sewage to a planned sewage treatment plant. The interceptor system was installed between 1948 and 1958. The system was initially designed to carry 2.3 times the average dry weather flow based on a future population of 258,000 people. This main interceptor capacity was approximately 110 million gallons per day (mgd) and the Hollywood interceptor for the northwest section of the City was 15mgd for a total peak conveyance capacity of 125mgd.

In May 1958, the first phase of a new sewage treatment plant (primary treatment) was placed into operation. It was expanded in 1961-1962 (secondary treatment). The capacity of the sewage treatment plant was 50mgd. During wet weather, flows in excess of 50mgd would flow directly to the Spokane River via 44 CSO outfalls in the system, and through a bypass diversion at the plant. Riverside Park Water Reclamation Facility

is now rated at 56mgd (tertiary treatment) and can fully treat storm-related flows up to 125mgd and partially treat flows in excess of 125mgd.

The City of Spokane has been diligently working on a series of projects since 1972 to reduce overflows to the Spokane River. The results and planned goals for reducing the frequency, volume, and number of overflow structures are summarized in Figure 1-2.

CSO REDUCTION HISTORY

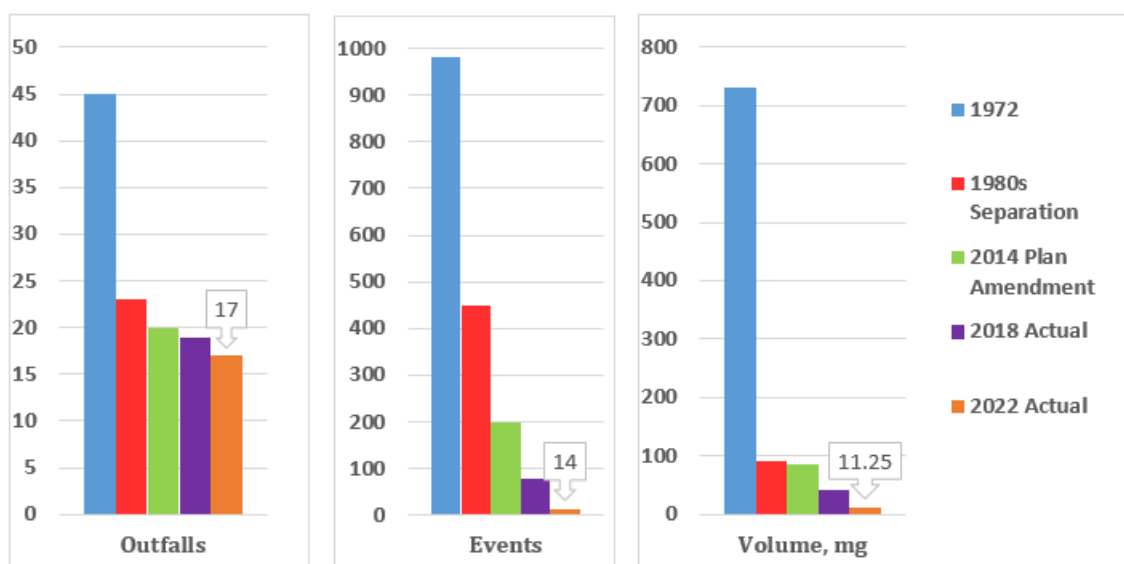


FIGURE 1-2 CSO REDUCTION HISTORY PROGRESS

1.2.1 – 1972 Action Plan

The 1972 Action Plan was published in May 1972, five months *before* the Clean Water Act was passed by Congress on October 18, 1972. This plan laid out the environmental need to upgrade the sewage treatment plant capacity and include secondary biological treatment as part of the process. It also laid out a plan for screening and disinfection of wet weather overflows in five regional treatment areas, combined with the construction of separated storm sewer systems in some areas. During an average year, it was estimated that just under 1,000 overflow events occurred from 44 overflow points totaling 447 million gallons of combined sewage, along with approximately 280 million gallons bypassed at the sewage treatment plant.

1.2.2 – 1977 Sewer Overflow Abatement Plan

The 1977 Sewer Overflow Abatement Plan further laid out several alternatives for reducing Combined Sewer Overflows to the Spokane River. Growth in the southeast corner of the City combined with river inflow during periods of high river levels were contributing to dry weather overflows from three discharge points. This report selected an alternate for separation of the north side of the City. This alternate also allowed for the City's future sanitary sewer service to Spokane Valley. During an average year, it was estimated that over 929 overflow events occurred from 33 overflow points totaling 565 million gallons of combined sewage, and an estimated 560 million gallons of bypasses at the sewage treatment plant.

1.2.3 – 1979 Sewer Overflow Abatement Plan Update

The 1979 Sewer Overflow Abatement Plan update amends the 1977 plan to further clarify areas to separate with storm sewers and explore which areas outside the City can be added to the sewer system. The original primary treatment plant was upgraded to an advanced secondary wastewater treatment plant in the mid-1970s and was achieving greater than the 85 percent phosphorus removal required by the NPDES permit. A computational analysis for calculations of flow in tandem with flow monitoring at key points along the interceptor system further refined the allocation of flow capacity for each CSO basin. Suggested overflow settings were detailed for each basin after the proposed separation of the north side of the City to storm sewers.

1.2.4 – 1994 Combined Sewer Overflow Reduction Plan

The 1994 Combined Sewer Overflow Reduction Plan put in place a program for reducing Combined Sewer Overflows to the Spokane River with a 20-year schedule. As a result of the storm sewer separation of 64 percent of the City's sewer service area, the CSO volume to the Spokane River had been reduced by 491 million gallons per year, or 86 percent, for a cost of roughly \$50 million.

The 1994 plan called for an integrated approach to CSO pollutant reduction to achieve Ecology's requirement of just one overflow event per outfall per year. This included the following: street surface cleaning, catch basin cleaning, infiltration and inflow control, water use reduction, storage facilities, optimization of existing control structures, and additional storm separation. A computational Storm Water Management Model (SWMM) was created and calibrated to existing dry and wet weather conditions. An iterative phased approach of constructing a few different facilities, monitoring the results, and constructing the next phase from those results was proposed. During an average year, it was estimated that over 467 overflow events occurred from 24 overflow points totaling 79 million gallons of combined sewage.

1.2.5 – 2005 Combined Sewer Overflow Reduction Plan Amendment

The 2005 Combined Sewer Overflow Reduction Plan Amendment recalibrated the Stormwater Management Model (SWMM) using historical rain data, improved modeling capability and increased flows from recent growth in parts of the City. The plan also began looking system-wide for adjustments in interceptor controls and storage volume, as well as creating six CSO reduction alternatives and their probable costs. The plan referenced a 5-year moving average for frequency compliance, a 2-year design storm, with snowmelt, and a spatial beta factor to accommodate differences in rainfall correlated to spatial distances from rain gauges. Several facilities from the 2005 plan were constructed and monitored for performance before constructing more facilities.

1.2.6 – 2008 Sierra Club Settlement Agreement

The City of Spokane and the Sierra Club entered into a settlement agreement in 2008 regarding dry weather overflows. The elements of the Agreement have been completed. Pursuant to the Agreement, eleven CSO regulators prone to dry weather overflows were modified or Control Facilities installed. The final regulator modifications were addressed by a project completed in late 2011. Also, improving CSO-related training and maintenance procedures and enhancing public information and notification were undertaken. Information about CSOs has been added to the City's website and major river access points for the public. Warning flags and special signage are deployed at major river access points if a dry weather overflow occurs. The CSO O&M Plan is reviewed annually and updated as needed, additional precautions during maintenance have been established, and training is ongoing.

1.2.7 – 2014 Combined Sewer Overflow Reduction Plan Amendment

In March 2014, the City filed a CSO Reduction Plan Amendment maintaining the December 31, 2017 compliance schedule as mandated by the NPDES permit. The CSO Reduction Plan Amendment reflects a change in circumstances which include more accurate long term meteorological records and data to effectively size the CSO control facilities; the valuable experience the City has gained with its completed weir modifications and CSO control facilities; the 20-year moving average for annual CSO reporting; and EPA and Ecology's recommendations to incorporate an integrated approach to managing municipal stormwater, municipal wastewater, and CSOs. Baseline conditions were updated and are reflected in Table 4-2 of this report.

The City analyzed all CSO basins and incomplete separation of previous CSO basins and classified each according to a risk profile that included options for more storage, anticipated growth, and other factors. The risk profile was then used in conjunction with basin-level continuous simulation modeling of historical rainfall to select a facility size based on a selected number of overflows per year from each basin. This was validated by a system-wide continuous simulation model and from flow monitoring data. Where the model and the flow monitoring disagreed, further analysis was used to select a facility size.

Another input to the facility sizing was a re-optimization of the flow control to the interceptor from each CSO basin. The re-optimization had two goals. The first goal was to limit peak flows resulting from the "CSO design event" in the A.L. White Interceptor to 120mgd versus its theoretical full-pipe capacity of about 130mgd. The second goal was to convey more peak flow from basins where it is infeasible or more expensive to construct a CSO facility and to convey less peak flow and construct more storage for basins where more feasible and less expensive. The City's design basis for sizing CSO facilities was revised from a 2-year, 24-hour SCS Type II storm event with snowmelt to a 1.2-year, 24-hour SCS Type II storm event. The other factor in re-sizing CSO facilities was Ecology's extending the five-year rolling average standard to a 20-year rolling average standard as stated in the current NPDES permit. The result was that the control volumes for CSO storage were reduced from a total of 28.6mg of storage in the system in the 2005 CSO Plan Amendment to between 11.3mg and 13.0mg of storage in the system in the 2014 CSO Plan Amendment.

In 2020, the City completed construction of the last control facility in the 2014 CSO Plan Amendment with the completion of the CSO 26 control facility in August 2020. Prior CSO annual reports contain descriptions of the projects identified in the 2014 CSO Plan Amendment.

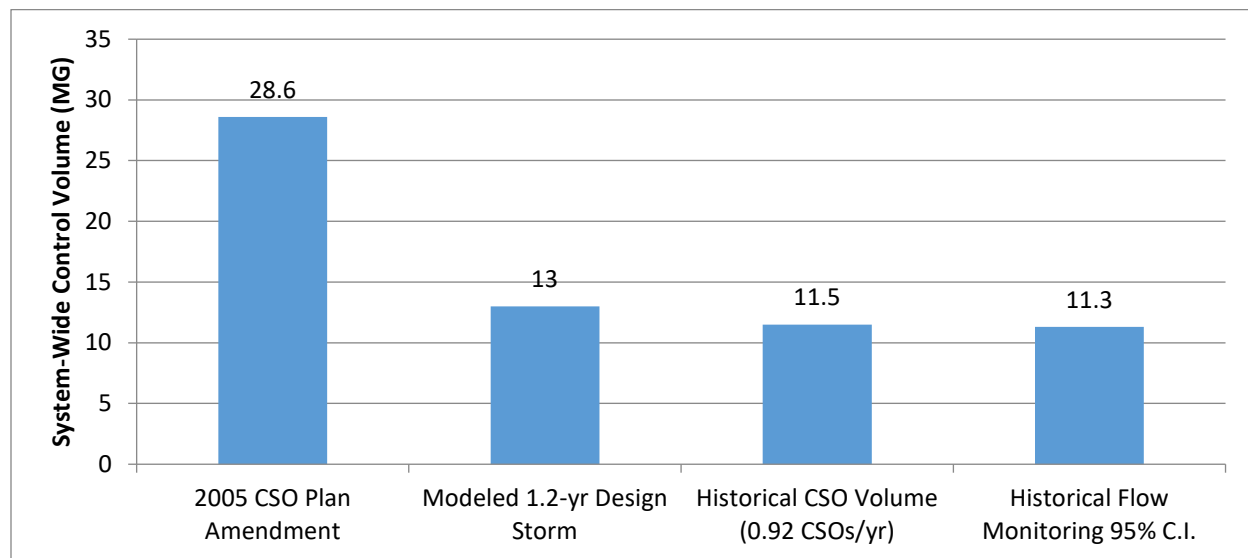


FIGURE 1-3: COMPARISON OF CSO FACILITY SIZING IN 2005 VS. THREE METHODS USED IN THE

2014 CSO PLAN AMENDMENT.

1.3 CITY OF SPOKANE NPDES PERMIT

The City of Spokane's Combined Sewer System (CSS) is operated under two sets of regulations: The National Pollutant Discharge Elimination System (NPDES) permit program, as authorized by the Clean Water Act (CWA) under Title 33 United States Code, Section 1251, and the Washington State Department of Ecology Water Pollution Control Law under Chapter 90.48 Revised Code of Washington. Washington State Department of Ecology administers the NPDES Permit program under a delegation from the Environmental Protection Agency (EPA). Because of the two sets of regulations, there are various reporting requirements that must be fulfilled to comply with both laws. As a result, this report is organized to fulfill both reporting requirements with respect to the CSS and CSOs. The current NPDES permit WA-002447-3 is effective on September 1, 2022 and expires on August 31, 2027. The current permit can be found on the City's website: <https://static.spokanecity.org/documents/publicworks/wastewater/treatmentplant/wa0024473-spokane-rpwrp-permit-2022-09-01.pdf>

1.4 ORGANIZATION OF THIS REPORT

TABLE 1-1: 2022 PERMIT CSO ANNUAL REPORTING REQUIREMENTS

Source	Requirement	Report Location
NPDES S3.A	Submit CSO monitoring data with the CSO Annual Report	Table 4-8
NPDES S14.A	Locations of Combined Sewer Outfalls.	Table 4-1
NPDES S14.B	Implement and document nine minimum controls for CSOs.	Section 2.1
NPDES S14.B.3	Identify any regulated non-domestic discharge that enters the CSO system.	Section 2.1.3
NPDES S14.C.b	Demonstrate compliance with performance standards of WAC 173-245 on a 5 and 20-year moving average period.	Table 4-9
NPDES S14.D.7	Summary of the CSO and collection system O&M activities	Section 2.1, Section 7
WAC 173-245-090(1)(a)	Detail the past year's frequency and volume of combined sewage discharged.	Table 4-7, Table 4-8
WAC 173-245-090(1)(b)	Explain the previous year's CSO reduction accomplishments.	Section 3.1
WAC 173-245-090(1)(c)	List the CSO reduction projects planned for the next year.	Section 3.2

Section 2: Operations and Maintenance Activities

This section describes the Operation and Maintenance (O&M) activities the Spokane Wastewater Department undertakes to reduce the number and volume of Sanitary Sewer Overflows (SSOs), Dry Weather Overflows (DWOs), and Combined Sewer Overflows (CSOs).

2.1 NINE MINIMUM CONTROLS ACTIVITIES

Section S14.B of the City's NPDES Permit Requires compliance with US EPA CSO control policy (59 FR 18688) that states: "permittees with CSOs should submit appropriate documentation demonstrating implementation of the nine minimum controls..." The NPDES Permit requires annual reporting on the City's ongoing efforts to comply with these controls. The following describes the work performed in 2022 on each of these nine minimum controls.

2.1.1 Control 1: Proper Operation and Regular Maintenance Programs for the Sewer System and the CSOs

"Implement proper operation and maintenance programs for the sewer system and all CSO outfalls to reduce the magnitude, frequency, and duration of CSOs. The program must consider regular sewer inspections; sewer, catch basin, and regulator cleaning; equipment and sewer collection system repair or replacement, where necessary; and disconnection of illegal connections."

Every year the City's Wastewater Management (WWM) Department performs O&M activities to reduce the frequency and volume of preventable overflows. In 2022, the following activities were performed to ensure proper operation of the collection system:

TABLE 2-1: SUMMARY OF 2022 O&M ACTIVITIES	
Activity	Quantity
Miles of sewer and storm lines cleaned.	505 miles cleaned
Miles of sewer and storm lines CCTV inspected.	194 miles inspected
Number of catch basins inspected.	22,916 inspections
Number of catch basins cleaned.	1,835 cleanings
Number of catch basins modified to add floatables control.	148 modified
CSO weir and facility inspections.	521 inspections
CSO weir and facility cleanings.	47 cleanings
Number of lift station inspections.	484 inspections
Number of lift station cleanings.	266 cleanings

The City's WWM Department routinely inspects sewer and storm lines using Closed Circuit Television (CCTV) equipment. To assist in identifying trouble areas in the collection system, the department uses the National Association of Sewer Service Companies (NASSCO) Pipeline Assessment and Certification Program (PACP) defect coding system.

The WWM Department has an aggressive inspection program for the collection system. Inspections often identify trouble spots in the collection system before backups occur, which otherwise can cause SSOs. When a sewer is inspected and identified as having a maintenance-related problem, the sewer is placed on a cleaning schedule to prevent future maintenance-related backups. For other than the interceptors and larger trunks,

the routine maintenance frequencies vary from as short as a month to approximately two years. Routine maintenance activities include:

- Hydro for flushing light to medium debris.
- Hydro-sawing for root control and grease.
- Rodding or balling for clearing active blockages like roots and debris.
- Chemical root treatment to mitigate growth of roots.

The WWM Department performs routine electrical and mechanical system preventative maintenance on all lift stations to ensure proper operation of the parts of the collection system that require pumping uphill to gravity mains. Most of these lift stations have backup generators to prevent CSO and SSO events during a power failure. By the end of 2015, the City completed the installation of backup generators on all but two lift stations, which have adequate storage capacity for a response by WWM crews with a portable generator. Of all the City's sanitary lift stations, only two lift stations convey combined sewage: Elm Street and Clarke Avenue.

In 2006, the City's WWM Department developed and implemented its first municipal CSO Operations and Maintenance Plan (O&M Plan), with annual revisions beginning in 2010. The goal of the O&M Plan is to protect water quality and reduce the discharge of pollutants via CSOs into receiving waters. The O&M Plan includes names and contact information of designated responsible staff with specific procedures clearly detailed; a list of the critical elements in the CSS: facilities (control tanks, CSO regulator structures, weirs, and so forth) included under this Plan; frequency of routine inspections; wet and dry weather procedures; emergency notification procedures; and record keeping procedures. Repairs and necessary modifications are made to broken or malfunctioning CSS components. A copy of the City's CSO O&M Plan is submitted under Section 5.

2.1.2 Control 2: Maximize Use of the Collection System for Storage

"Implement procedures that will maximize use of the collection system for wastewater storage that can be accommodated by the storage capacity of the collection system in order to reduce the magnitude, frequency, and duration of CSOs."

Current CSO regulator settings correspond to the maximum allowable flow conditions in the main influent interceptor (I02) entering the Riverside Park Water Reclamation Facility (RPWRF). As part of the O&M Plan, WWM has a regular preventive inspection program to ensure that trapped sedimentation or debris is cleaned out of catch basins and CSS pipes that could otherwise restrict proper flow. Visual and remote inspections by a Wastewater Specialist or a CSO Instrument Technician are completed weekly for CSOs 14, 15, and 19. In some cases, up-sized in-line storage is used to help reduce overflows. The City's program includes infiltration & inflow (I/I) reduction projects such as grouting, rerouting discovered groundwater sources, short-line and full-length cured-in-place pipe (CIPP) lining. A large CIPP project for 13,778 linear feet of CIPP was scheduled for 2022. Most of the project was completed, but some of it was delayed due to winter weather. The rest of the project should be completed in 2023. More details about the project are available in Section 3.2. In 2022, 21 CIPP short-liners were installed on problematic segments of pipe.

2.1.3 Control 3: Review and Modification of Pretreatment Requirements to Assure CSO Impacts are Minimized

“Review and modify, as appropriate, the existing pretreatment program to minimize the water quality impacts of a CSO discharge containing pollutants from non-domestic users. Permittees must identify in their annual report any regulated non-domestic discharge that enters the combined system upstream of a CSO outfall.”

The City routinely surveys existing and new businesses connected to its collection system. As a result, non-domestic customers with the potential to adversely impact the treatment system are identified and managed. At the end of 2022, there were seven listed Categorical Industrial Users, fifteen listed Significant Industrial Users, and eleven listed Non-Significant Categorical Industrial Users. Of the eleven Non-Significant Categorical Industrial Users, ten are zero dischargers and one discharges less than 100 gpd.

The City has two regulated non-domestic dischargers that have the potential to impact the CSO system – Dry Fly Distilling and ALSCO. These dischargers are classified as a Significant Industrial Users, and they are regulated through the Industrial Pretreatment Program.

Another part of the Pretreatment Program is the Fats, Oils, and Grease (FOG) Program, which implements the City’s Municipal Code requirement to remove FOG from wastewater through the use of grease traps or other methods. FOG has a detrimental effect on the City’s sewers and is a significant cause of obstructions. Each time a sewer line is observed by CCTV to be partially or fully obstructed with grease, an investigation is conducted upstream to identify potential sources and enforce the municipal code.

In 2022, there were two new FOG investigations and two ongoing investigations from 2021. The two investigations from 2022 were solved through training (Best Management Practices, documents and education) and inspections of the grease areas and records. The full reports are submitted under Section 6.

2.1.4 Control 4: Maximization of Flow to the POTW for Treatment

“Operate the POTW treatment plant at maximum treatable flow during all wet weather flow conditions to reduce the magnitude, frequency, and duration of CSOs. The Permittee must deliver all flows to the treatment plant within the constraints of the treatment capacity of the POTW.”

RPWRF has sufficient capacity to provide full treatment for wet weather flow during all but the most extreme storm events. As of 2020, with the addition of a fifth primary clarifier, peak flow up to 125 million gallons per day (mgd) is fully treated on a real-time basis within the duration of most storms. When flows exceed 125mgd, up to 2 million gallons (mg) of excess flow volume can be diverted to on-site storage and receives full treatment after the storm. On very rare occasions, when more than 2mg is diverted, the excess volume above 2mg receives primary treatment and disinfection prior to discharge and is reported as a CSO-related bypass. As part of the CSO Reduction Plan Amendments submitted in 2005 and 2014, the main I02 interceptor flows will be limited to 120mgd during the “CSO design event” through the use of upstream CSO storage.

2.1.5 Control 5: Prohibition of CSOs During Dry Weather

“Not discharge (prohibited) overflows from CSO outfalls except as a result of precipitation events. The Permittee must report each dry weather overflow to the permitting authority immediately per Special

Condition S3.E. When it detects a dry weather overflow, the Permittee must begin corrective action immediately and inspect the dry weather overflow each subsequent day until it has eliminated the overflow."

The City's CSO dry weather program, as outlined in the O&M plan, is both proactive and reactive. The plan includes visual and remote inspections with specific procedures outlined; early warning and overflow alarm monitoring and coordinated response protocols; combined sewer system (CSS) mapping; crew training to avoid overflows from CSS maintenance; and a public notification hotline (344-FISH) which is displayed on a variety of public education materials and on the CSO notification/information signs on the shore at each CSO outfall and at the four major river public access points. The WWM Department conducts regular cross-training of other City departments such as Water & Hydroelectric Services, Streets, Parks and the Fire Department to prevent dry weather overflows from hydrant flushing, reservoir draining, water line flushing, fire-fighting activities, and the draining of Park department pools. In 2022, there were no dry weather overflows.

2.1.6 Control 6: Control Solids and Floatable Materials in CSOs

"Implement measures to control solid and floatable material in CSOs."

The control of solid and floatable materials is an inherent part of the City's O&M plan. Many existing and all new catch basins in CSS areas have 90 degree down-turned elbows that retain floatables within the catch basins. Heavier solid materials settle to the bottom of the catch basins and oils and greases float above the elbow. This serves as a preliminary treatment system and captured trash and sediment are pumped out, decanted, and landfilled on a routine basis by maintenance crews. In 2022, 148 bends were installed or modified in catch basins.

As each CSO regulator is modified to add storage in compliance with the CSO long term control plan, floatable controls are included in the CSO storage facilities and overflow points to largely eliminate any floatable material discharge.

2.1.7 Control 7: Pollution Prevention

"Implement a pollution prevention program focused on reducing the impact of CSOs on receiving waters."

The City conducts a regular street sweeping schedule that aids in keeping trash and debris out of the CSS. In addition, catch basins are pumped regularly as a preventive maintenance measure. Leaves are swept and removed from City streets in the fall. Since 2010, the City has been placing markers near curb drain inlets and catch basins to inform and remind the public about where wastewater goes. The curb markers installed in CSS areas read: "Only Rain Down The Drain" and include a hotline phone number to report dumping. In 2022, 24 curb markers were installed by Wastewater Maintenance crews.



The MS4 program - while not covered by this permit - also supports a clean sewer collection system. Any illicit discharge complaints are investigated by the WWM stormwater inspectors. The WWM stormwater inspectors also inspect construction projects to make sure they are following Best Management Practices (BMPs) and manage stormwater on site. This ensures that dirt and other debris does not enter the storm or sewer collection systems.

2.1.8 Control 8: Public Notification to Ensure that the Public Receives Adequate Notification of CSO Occurrences and CSO Impacts

“Implement a public notification process to inform the citizens of when and where CSOs occur. The process must include (a) mechanism to alert persons of the occurrence of CSOs and (b) a system to determine the nature and duration of conditions that are potentially harmful for users of receiving waters due to CSOs.”

Real-time CSO status updates can be viewed by the public on the department’s website, <https://my.spokanecity.org/publicworks/wastewater/cso/>. The website includes the CSO number, location with map, and the date/time of any overflow event within the past 48 hours. It also informs the public and recreational visitors that Spokane River water activities should be avoided in these areas during and after heavy rainfall or snowmelt. In 2022, there were approximately 1,196 views of this page on the department’s website.

Information kiosks regarding CSOs are located at four popular river access points: Water Avenue, T.J. Meenach Bridge, Red Band Park, and Plese Flats. If a dry weather overflow occurs, warning signs with orange flags are opened at these four locations to warn the public. When there is a dry weather overflow event, the City also notifies the Spokane Regional Health District and the Washington State Department of Ecology in accordance with the O&M Plan. In 2022, the Water Avenue kiosk was reinstalled after construction was completed in the area.

2.1.9 Control 9: Monitoring to Effectively Characterize CSO Impacts and the Efficacy of CSO Controls

“Monitor CSO outfalls to characterize CSO impacts and the efficacy of CSO controls. This must include the collection of data that it will use to document the existing baseline conditions, evaluate the efficacy of the technology-based controls, and determine the baseline conditions upon which it will base the long-term control plan. This data must include:

- a) Characteristics of the combined sewer system including the population served by the combined portion of the system and locations of all CSO outfalls in the CSS.*
- b) Total number of CSO events, and the frequency and duration of CSOs for a representative number of events.*
- c) Locations and designated uses of receiving water bodies.*
- d) Water quality data for receiving water bodies.*
- e) Water quality impacts directly related to CSO (e.g., beach closing, floatables, wash-up episodes, fish kills). ”*

The City’s CSS serves approximately 100,000 citizens; the rest are in areas with separated storm systems, drywells, bioinfiltration swales, or evaporation ponds. The Spokane River (Lower Spokane – WRIA 54 and Middle Spokane – WRIA 56) and Latah Creek (Hangman Creek – WRIA 56) are the only two water bodies that receive CSO discharges, with 16 outfalls and one outfall, respectively. Designated uses for these water bodies

are: Salmonid spawning/rearing/migration, primary contact recreation, water supply, wildlife habitat, fish harvesting, commerce/navigation, boating, and aesthetic values (WAC 173-201a-600). Water quality data specific to these water bodies can be found through Ecology's Environmental Information Management System (EIM) Data Portal. No known water quality impacts directly related to CSOs occurred in 2022. All outfalls are mapped in GIS, marked with signs, and each regulator leading to an outfall is equipped with flow monitoring and telemetry. The City operates the flow monitoring/telemetry for timely alarms, public notification, compliance data, and operation and performance of CSO facilities. In 2022, the City achieved a 99.68% uptime with its CSO monitoring system. The CSO flow monitoring team continues to work hard to maintain the integrity and quality of the telemetry data.

Through the mid-2000s, the City sampled the receiving water bodies during and after large wet weather overflows to determine how quickly fecal coliform levels returned to background. The CSO river sampling program is now focused on dry weather events. Following any dry weather overflow during the high river use season, the City conducts river sampling to determine when fecal coliform levels downstream of the affected outfall have returned to background. The Spokane Regional Health District is informed by the City of any dry weather overflows and is responsible for any public health alerts.

2.2 OTHER MAINTENANCE ACTIVITIES

2.2.1 Sewer Cleaning Activities

The City of Spokane undertakes an extensive cleaning maintenance program. These activities include flushing, balling, rodding, hydroing and other activities. When CCTV video analysis or customer complaints indicate that there is a problem or a potential future problem with a sewer line, it is placed on a scheduled maintenance list in the maintenance management system to ensure timely cleaning occurs. If the problem becomes worse, the scheduled maintenance time is shortened, and the line is flagged for replacement or lining.

TABLE 2-2: SUMMARY OF 2022 SCHEDULED SEWER CLEANING

Schedule	Work Orders Completed in 2022
Bi-monthly	50
Monthly	598
Every 2 Months	48
Every 3 Months	208
Every 4 Months	15
Every 6 Months	132
Every 9 Months	3
Annually	13
Total # of Work Orders	1,067

2.2.2 Repair, Rehabilitation, and Replacement Activities

The City maintains two construction crews that replace, rehabilitate, and repair sewer and stormwater lines. These crews respond to emergency situations, but also replace or repair lines and catch basins identified by citizens, crews, and CCTV reports. The City also contracts out large line cured-in-place pipe (CIPP) rehabilitation most years for identified lines that have excess infiltration or are found to be structurally

deficient.

TABLE 2-3: SUMMARY OF 2022 SEWER REPAIR AND REPLACEMENTS

Activity	Asset Count
New Storm / Sanitary Line	4
Repair Storm / Sanitary Line	73
Replace Storm / Sanitary Line	15
New Catch Basin	4
Repair Catch Basin	14
Replace Catch Basin	7
New Manhole	5
Repair / Modify Manhole	167
Replace Manhole	0
Total # of Assets	289

2.2.3 Sanitary Sewer Overflow Response and Prevention Activities

A small number of Sanitary Sewer Overflows (SSOs) do occur every year and are promptly reported to Ecology, along with the proposed remedy for preventing a similar overflow in the future. Due to the average age of pipes in the City's collection system, the City has an aggressive CCTV inspection program to prevent SSOs through routine and unscheduled maintenance activities. The two most common causes of SSOs are weather-related surcharges of (private) side sewers and tree roots plugging a City sewer main. Other activities can cause SSOs as well including City large line water main breaks that can overwhelm parts of the collection system, construction activities, and vandalism. In 2022, there was one SSO caused by tree roots, one SSO caused by a water main break, and 44 SSOs caused by wet weather. 42 of these weather-related SSOs were caused by a 38-year storm in June 2022 that impacted an older area that was designed to contain a 5-year storm.

TABLE 2-4: SUMMARY OF SANITARY SEWER OVERFLOWS BY CAUSE, 2014- 2022

Cause	2014	2015	2016	2017	2018	2019	2020	2021	2022
Weather-Related	9				1				44
Tree Roots	3	4	1	3	1	1		1	1
Water Main Break		4					1		1
Crushed Line									
Construction Activity	1	1		6		3		2	
Vandalism		1							
Dirt and Rocks						1			
Grease				1					
Equipment Failure							1		
Customer Debris								2	
Other		1							
Total # of SSOs	13	11	1	10	2	5	2	5	46

2.2.4 Inflow and Infiltration Reduction Activities

The City has worked tirelessly in removing Inflow and Infiltration (I/I) from the sewer collection system. Several methods are used to reduce I/I in the system including CIPP lining, stormwater separation or redirection, plugging of abandoned sewer lines, and other methods.

One of the main causes of I/I within the collection system is high river flows that increase the groundwater level around some of the older pipes along the river. The City has lined large sections of the interceptors along the river and many downtown smaller lines which resulted in the reduction of approximately 10mgd of I/I. Another successful I/I elimination project was the lining of many pipes and upgrading the Springfield lift station in the area south and east of Gonzaga University. As a commitment to optimizing the capacity of the upcoming tertiary membrane treatment installation at the treatment plant, another 10mgd needs to be removed during extended times of high river. In 2022, the CIPP – River Infiltration Reduction project lined several sewer pipes. The project is slated for completion in 2023.

2.3 ANNUAL REVIEW OF OPERATIONS AND MAINTENANCE MANUAL

The current version of the CSO Operations and Maintenance Manual (O&M) was reviewed on January 5, 2023. The O&M plan is contained in Section 5 of this report. As new CSO facilities come online, facility inspection checklists are created. CSO crews are also trained in CSO inspections on an annual basis. Training includes a review of normal and abnormal conditions within facilities, what preventive maintenance is required in each area of a CSO facility, along with checking safety and a gas detection system. Procedures and checklists for Dry Weather Overflows (DWOs) responses are reviewed. Design standards for CSO Facilities are reviewed during the design phase of new facilities based on maintenance feedback to minimize maintenance frequency and effort.

Section 3: Capital Activities

3.1 - 2022 CSO SYSTEM IMPROVEMENTS

Below is a list of CSO projects completed in the 2022 year:

TABLE 3-1: CSO CONTROL PROJECTS COMPLETED IN 2022

CSO Basin #: 6

Location: Kiernan @ NW Blvd

City Project #: N/A

Description: Testing of regulator setting was done. Considering changing regulator setting to allow more downstream flow.

Completion: 2022 – Q3

CSO Basin #: 7

Location: Columbia Cir @ Downriver Park Dr

City Project #: N/A

Description: Testing of regulator setting was done. Considering changing regulator setting to allow more downstream flow.

Completion: 2022 – Q3

CSO Basin #: 22B

Location: Peaceful Valley Neighborhood

City Project #: 2018111

Description: A swale and two ponds are being added at Clarke Ave, Elm & Main, and Water & Ash. This project will help keep storm water from entering the Combined Sewer System and eliminate the chances of a CSS overflow event at Elm St & Main Ave into the Spokane River. The outlet that fed the outfall was subsequently plugged in 2022.

Estimated Cost: \$1,447,850

Expected Completion: 2022 – Q3

3.2 - 2023 CSO PLANNED IMPROVEMENTS

Below is a list of CSO projects that are planned for 2023 and beyond.

TABLE 3-2: CSO PLANNED IMPROVEMENTS FOR 2023-2024

CSO Basins #: 42, I04, I05 Lower, I05 Upper

Location: Various City Sanitary Sewer Lines

City Project #: 2021078

Estimated Cost: \$1,475,870

Description: This project involves CIPP lining of 13,800 LF of 8" to 24" diameter sanitary sewer lines and 3,100 LF of 20" to 24" diameter sanitary sewer lines. This project has been split into 47 segments. While all the segments are targeting inflow & infiltration (I&I), 11 of the segments will specifically target high river influenced I&I in the I05 Upper and Lower basins. Those 11 segments are segments 4-8, which will cover the area of Trent – Erie to Helena, and segments 9-14, which will cover Front to Riverside.

Expected Completion: 2023 – Q3

CSO Basin #: 24

Location: Adams St @ Sprague Ave

City Project #: N/A

Description: Planned project to make changes to the PLC programming and possibly adjust regulator settings to allow for optimized use of the downstream trunks and earlier pumping of detained volume at the sump.

Expected Completion: 2023-Q4

CSO Basins #: 10, 34

Location: Cochran St @ York Ave and Crestline @ Riverside

City Project #: 2020097

Description: This refinement of CSO facilities project will be making repairs from the original construction for improved flow channeling and better operation of CSO 10, 34-2, and 34-3 facilities.

Estimated Cost: \$1,817,856

Expected Completion: 2024 – Q4

Section 4: Monitoring Programs and Monitoring Results

This section provides an overview of the City of Spokane's precipitation and flow monitoring programs, and presents results for 2022, including a summary of precipitation and CSO overflow frequencies, volume, and duration. There is also a summary of the CSO outfalls that meet the CSO control standard in Table 4-9.

4.1 CSO SYSTEM BASELINE CONDITIONS

In 2000, there were 24 permitted outfalls associated with the City of Spokane's combined sewer collection system. At the end of 2022, there are 17 outfalls remaining. These are identified in the City's NPDES Permit No. WA-002447-3 and are listed as follows:

TABLE 4-1: 2022 CSO OUTFALLS FROM THE NPDES PERMIT

Outfall Number	Overflow Structure & Regulator Location Description	Outfall Location Reference
<i>Discharges to Spokane River (North Bank)</i>		
002	A.L. White @ Hartley (Extended)	0.6 miles downstream of RPWRF
006	Kiernan @ NW Blvd	0.25 miles upstream of RPWRF
007	Columbia Cir @ Downriver Park Dr	0.5 miles upstream of RPWRF
010/012	CSO 010: Cochran St @ York Ave CSO 012: Pettet Dr @ Mansfield Ave	At T.J. Meenach Bridge
014	Sherwood @ Summit	2.0 miles upstream of T.J. Meenach Bridge
015	Ohio @ Nettleton	2.5 miles upstream of T.J. Meenach Bridge
<i>Discharges to Spokane River (South Bank)</i>		
016	Clarke @ Riverside	1 mile downstream of Monroe St Dam
<i>Discharges to Latah Creek</i>		
019	Seventh @ Inland Empire Way	At High Bridge (East Side)
<i>Discharges to Spokane River (North Bank)</i>		
023	Cedar St @ Summit Pkwy	0.3 miles downstream of Monroe St Bridge
<i>Discharges to Spokane River (South Bank)</i>		
024	Adams St @ Sprague Ave	0.3 miles downstream of Monroe St Bridge
025	Cedar @ Main	0.3 miles downstream of Monroe St Bridge
026	Lincoln @ Spokane Falls Blvd	At Monroe St Bridge
033	Sprague Ave west of Sprague Wy Liberty Park (West End) (2 regulator locations)	0.1 miles upstream of J. Keefe Bridge
034	Crestline @ Riverside	South of Trent Bridge
038	Magnolia @ S Riverton	0.25 miles upstream of Mission
<i>Discharges to Spokane River (North Bank)</i>		
041	Rebecca St @ Upriver Dr	0.5 miles upstream of Greene
<i>Discharges to Spokane River (South Bank)</i>		
042	Surro Ave west of Waterworks St	1.1 miles upstream of Greene

In the March 2014 CSO Plan Amendment, baseline conditions were updated using a 20-year precipitation dataset and flow monitoring data. Table 4-2 includes the original baseline conditions, and the updated baseline conditions generated from flow monitoring during the ten-year period of 2003 through 2012.

**TABLE 4-2: BASELINE AVERAGE ANNUAL CSO VOLUMES AND FREQUENCIES
ORIGINAL 1979-1988 AND REVISED 2003 – 2012**

CSO No.	CSO Location	1979 – 1988 Average Annual Overflow Volume (MG)¹	2003-2012 Average Annual Overflow Volume (MG)	1979-1988 Average Annual Overflow Frequency	2003-2012 Average Annual Overflow Frequency
2	NW Blvd. @ Hartley	1.72 ²	0 ²	40 ²	0 ²
3b	NW Blvd. @ Assembly	0.00 ²	N/A ²	1 ²	N/A ²
3c	NW Blvd. @ Assembly	1.94 ²	N/A ²	51 ²	N/A ²
6	Kiernan @ NW Blvd.	14.12	4.81	34	27
7	Columbia Circle	0.81	0.32	13	11
10	Cochran @ Buckeye	0.27	0.15	7	10
12	Nora @ Pettet	9.65	3.50	35	28
14	Sherwood @ Summit	0.86	0.11	17	14
15	Nettleton @ Ohio	4.47	0.20	34	9
16a	"A" St. @ Linton	0.01 ³	N/A ³	0 ³	N/A ³
16b	"A" St. @ Linton	0.50 ³	0.21 ³	12 ³	6 ³
18	1 st St. @ "A" St.	0.00 ³	N/A ³	1 ³	N/A ³
19	Under FW Bridge	0.00	0.00	0	<1
20	High Dr. near 33 rd	0.55	0.03	3	<1
22	Main @ Oak St.	0.00	0.03	0	1
23	Cedar @ Ide	1.69	1.07	18	16
24a	Cedar @ Riverside	2.12	8.00	3	20
24b	Cedar @ Riverside	0.00	0.10	0	10
25	Cedar @ Main	0.35	0.42	19	22
26	Lincoln @ Spokane Falls	19.73	16.41	15	24
33a	5 th @ Arthur	0.00	0.04	0	8
33b	3 rd @ Perry	2.30	6.72	5	7
33c	3 rd @ Arthur	0.12	0.04	11	6
33d	Sprague Ave @ Sprague Wy	2.03	0.42	42	23
34	Riverside @ Napa/Crestline	11.78	13.82	13	19
38	Magnolia @ S. Riverton	0.28 ⁴	0.08 ⁴	10 ⁴	10 ⁴
39	Altamont @ S. Riverton	1.06 ⁴	0.06 ⁴	34 ⁴	4 ⁴
40	Regal @ S. Riverton	1.45 ⁴	0.06 ⁴	32 ⁴	7 ⁴
41	Rebecca @ Upriver Dr.	0.52	0.39	11	12
42	Surro @ S. Riverton	0.31	0.02	7	2
Total		78.64	56.99	2124	296

¹ With snowmelt.

² CSO 2 & 3c flows are consolidated and regulated at CSO 2&3c Control Facility to overflow no more than once per year on average via Outfall 2. CSO 3b regulator is physically eliminated and outfall is now separated storm only.

³ CSO 16a, 16b & 18 flows are consolidated and regulated at CSO 16/18 Control Facility to overflow no more than once per year on average via Outfall 16b. Outfalls 16a and 18 are physically disconnected.

⁴ CSO 38, 39 and 40 flows are consolidated and regulated at the CSO 38/39 Control facility to overflow no more than once per year on average via Outfall 38. Outfalls 39 and 40 are physically disconnected.

4.2 PRECIPITATION MONITORING PROGRAM

The City of Spokane collects precipitation data from 13 rain gauges around the City. Five of those gauges have been in place since 1996, and provide a 20-year basis for precipitation modeling and validation of sewer models. The data has been collected in a 1-minute resolution since mid-2000. Because of the quality of the rain data, the City has confidence in the modeling results and sizing of the CSO facilities.

Overall, 2022 rainfall was higher than average for the region with 17.72 inches measured at the Spokane Airport. Some daily records were broken during the year: February 28th – 0.72” rainfall, April 14th – 1.5” snow, September 29th – 0.46” rainfall, December 10th – 5” snow and 0.85” rainfall, and December 27th – 0.79” rainfall. November 2022 was also the sixth snowiest November on record.

- In 2022, there were heavy storms over the area between May 30th and June 5th. Although there were no precipitation records broken, some of the City’s rain gauges measured 0.5” or more rainfall in about 20 minutes on June 5th.
- The end of December 2022 brought a record rainfall (27th – 0.79”) and warmer temperatures that reduced the recorded snowpack over 6” in two days. This single event caused the five CSOs experienced in December.

TABLE 4-3: 2022 PRECIPITATION BY GAUGE BY MONTH (INCHES)

Rain Gauge	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
343	1.18	1.33	1.48	1.32	3.14	3.81	0.43	0.01	0.83	0.82	2.28	3.20
344 [^]	2.29	1.00	0.92	0.17E	1.26P	4.38	0.65	0.01	0.86	0.81	2.91	4.90
Shadle	1.73	0.94	1.11	0.96	1.88	2.85	0.47	0.01	0.56	0.34	1.85	2.73
Hartson [^]	1.83	0.94	1.10	1.07	2.32	3.49	0.43	0.00	0.00E	0.00P	0.00M	0.00E
City Hall [^]	2.32	0.92	1.13	0.96	1.94	2.25	0.38	0.00P	0.45	0.46	2.53	3.63
Joe Albi [^]	1.41	0.00M	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Rockwood Vista [^]	2.25	1.03	1.19	0.99	2.61	2.50	0.42	0.00P	0.00E	0.57	2.21	3.83
Station 8 [^]	1.89	0.88	0.93	0.87	2.71	3.60P	0.48	0.00	0.77	0.49	2.64	2.28
West Drive [^]	2.57	1.17	1.38	1.21	2.30	2.67M	0.05M	0.00	0.00E	0.63	2.46	4.15
Nora & Pettet	2.32	0.97	1.15	1.08	2.46	1.81	0.40	0.01	0.55	0.46	1.59	0.05E
Lincoln	2.10	0.99	1.13	1.28	2.40	3.62	0.34	0.11M	0.01P	0.61P	2.58	3.52
Northeast	1.92	0.74	1.14	0.89	2.24	3.36	0.33	0.00M	0.71	0.56	1.64M	2.27M
Crestline & Hoffman	2.17	0.87	1.20	0.95	2.17	3.26	0.32	0.00P	0.70	0.56	2.33	2.74
GEG	2.13	1.18	1.26	1.09	1.50	2.46	0.34	0.00	0.53	0.61	3.03	3.59
NWS - Spokane	1.85	1.02	1.17	1.14	1.48	2.98	0.49	0.17	0.45	0.53	2.83	2.96
Felts Field	1.97	0.79	1.10	0.98	3.35	3.70	0.49	0.00	0.77	0.56	2.68	2.66
Monthly Average*	2.00	0.98	1.16	1.06	2.32	3.11	0.43	0.02	0.65	0.57	2.46	3.35

M – Rain gauge missing one or more whole days of data.

P – Rain gauge missing partial day data.

E – Rain gauge value for part of the month is in error; under-reporting or over-reporting.

* – Rain gauges with service interruptions and errors are not included in monthly average.

[^] – Rain gauge is heated.

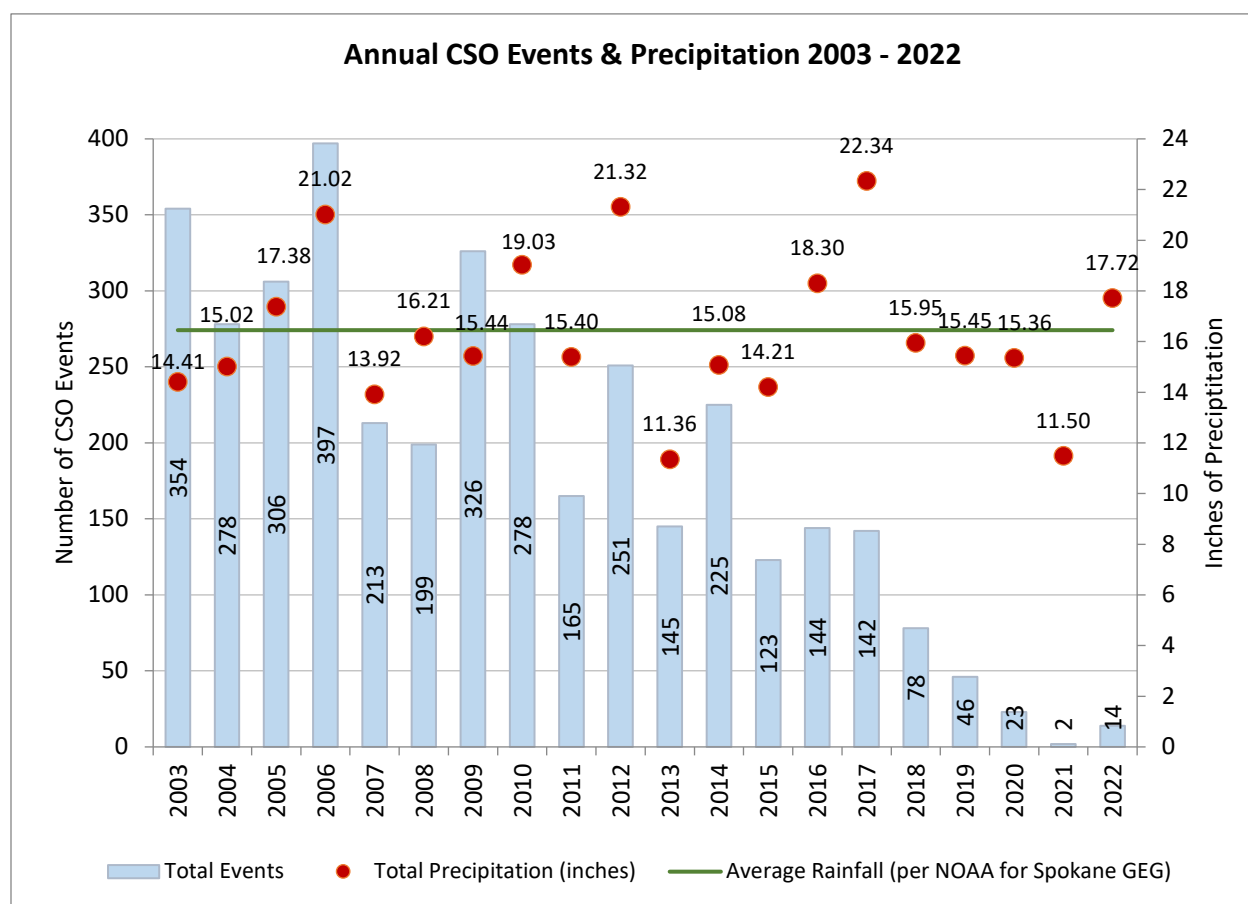
4.3 FLOW MONITORING PROGRAM AND SUMMARY OF RESULTS

During 2022, Spokane's flow monitoring employees operated and maintained 51 CSO flow monitoring sites, 1 stormwater and CSO sampling site, and 39 other flow monitoring sites for a total of 91 sites throughout the collection system.

A team of monitoring staff regularly reviews the flow monitoring results and evaluates the quality of the incoming data and the performance of each flow monitor site. The team performs maintenance when a flow monitor indicates erroneous data or is not reporting data on a timely schedule. Early warning alarms are monitored 24 hours per day by the Operations group at RPWRF. If conditions are dry, the alarms are referred to the flow monitoring team and sewer maintenance crews for potential maintenance. Overflow alarms are monitored 24 hours per day, and confirmed alarms are posted to the City's public notification web site. See Section 7 for detailed maintenance records regarding early alarms and overflow checks.

On a monthly basis, an analyst and the flow monitoring team review the monthly report data. False positives are eliminated from the data, and data that is missing or in error is estimated or adjusted using information from alternative or redundant monitoring points. Any problematic rain gauges and flow monitoring sites with an increase in missing or erroneous data are reviewed by the team to suggest improvements to the flow monitoring site to increase the quality of the data.

FIGURE 4-4: 2003 – 2022 CSO EVENTS & PRECIPITATION



As the City of Spokane's rainfall varies from year to year, the amount of rain and the variability in the intensity of rainstorms introduce a high degree of variability in the number of CSO overflow events. As the City of Spokane continues to install control facilities, the number of overflow events have generally been reduced as shown in Figure 4-4. CSO volume and precipitation by month for 2022 is shown in Figure 4-6.

FIGURE 4-5: 2003 – 2022 CSO VOLUME & PRECIPITATION

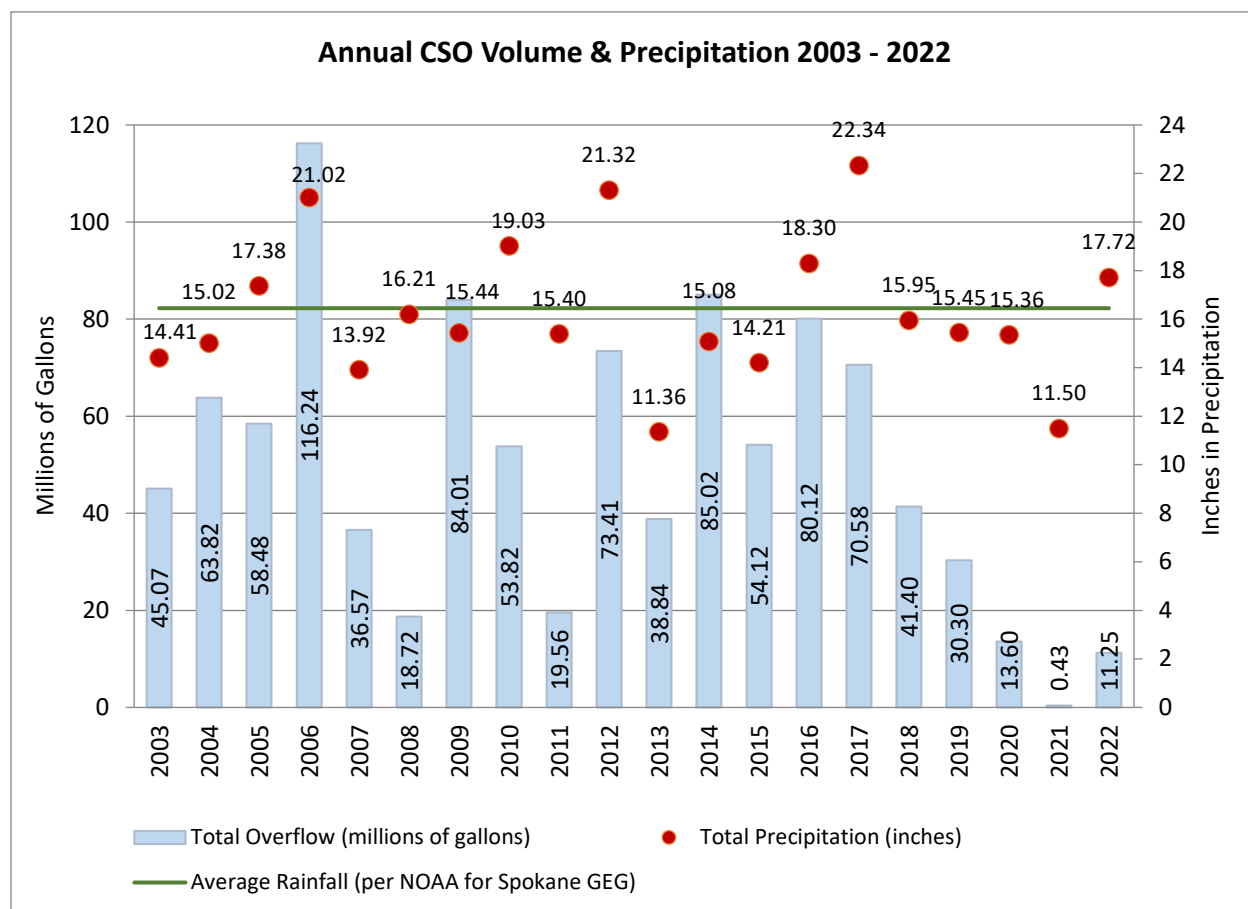
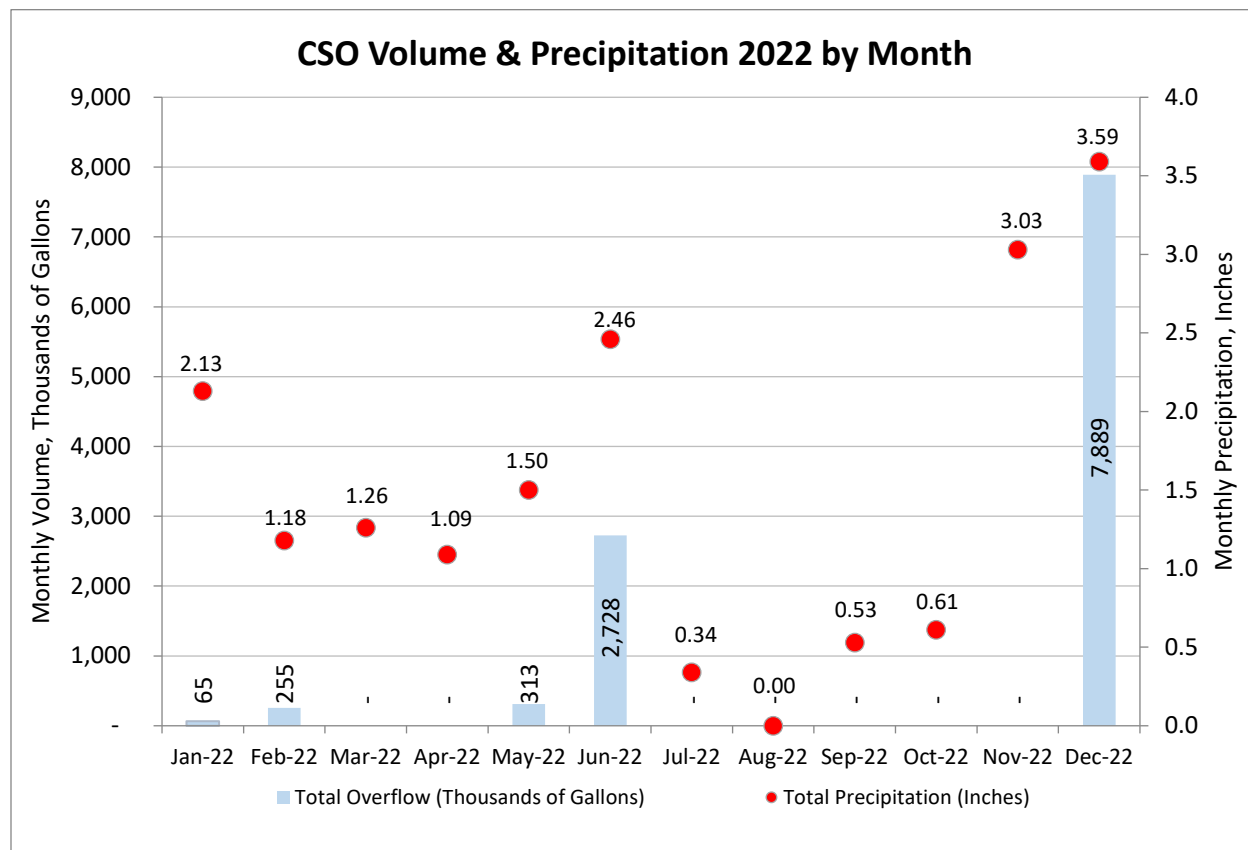


FIGURE 4-6: MONTHLY CSO VOLUMES & PRECIPITATION FOR 2022



In accordance with the requirements of the City of Spokane's NPDES Permit concerning combined sewer overflow discharges, summarized below are the frequencies, volumes and durations of CSO events recorded from January 1 through December 31, 2022. It is estimated that a **total of 11,250,301 gallons** of combined sewage discharged to local receiving waters over these twelve months. The discharges were associated with snowmelt and/or rain events and distributed across 7 of the 17 permitted CSO outfalls.

Table 4-7 below summarizes the total overflow durations, events, and volumes for all the regulators and outfalls.

TABLE 4-7: SUMMARY OF MONITORED CSO FREQUENCIES & VOLUMES FOR 2022				
CSO OUTFALL	UPSTREAM REGULATOR ID	MONITORED CSO VOLUME (Gallons)	MONITORED CSO FREQUENCY (Occurrences)	MONITORED CSO DURATION (Minutes)
02 ¹	02 ¹	0	0	0
06	06	2,086,073	3	1,140
07	07	79,142	2	40
10/12	10	0	0	0
10/12	12	186,036	1	455
14	14	20,222	1	25
15	15	0	0	0
16	16	0	0	0
19	19	0	0	0
23	23-1	0	0	0
24	24-1	6,360,154	4	1,940
25	25	0	0	0
26	26	0	0	0
33	33-1	805,582	1	910
	33-2	146,965	1	785
	Total²:	952,547	1	
34	34	1,566,127	2	1,230
38	38	0	0	0
41	41	0	0	0
42	42	0	0	0
RPWRF ³	RPWRF ³	0	0	0
TOTAL:		11,250,301	14	6,525

1. CSO 03C is now associated with CSO Outfall 02.

2. Frequency reflects any simultaneous overflows from multiple regulators to a common outfall.

3. NPDES Permit requires reporting date, duration, and volume of CSO-Related bypasses at RPWRF.

Table 4-8 below details individual overflow events that occurred during 2022. Chemical totals are N/A pending the CSO Post Construction Monitoring Plan to take effect on January 1, 2024.

TABLE 4-8: 2022 CSO DETAILS BY REGULATOR AND DATE											
CSO Number	CSO Start Date	Volume Discharged (Gallons)	CSO Duration (Hours)	Storm Duration (Hours)	Precipitation (Inches)	Total Ammonia as N (mg/L)*	Total Ammonia as N (lbs/day)*	Total Phosphorous as P (µg/L)*	Total Phosphorous as P (lbs/day)*	CBOD5 (mg/L)*	CBOD5 (lbs/day)* ¹
02		There were no Combined Sewer Overflows from regulator 02 during 2022.									
06	01/07/2022	65,465	1.92	110.27	1.19	N/A	N/A	N/A	N/A	N/A	N/A
	06/03/2022	1,410,965	1.08	83.60	1.40	N/A	N/A	N/A	N/A	N/A	N/A
	12/27/2022	609,643	16.00	97.78	2.57	N/A	N/A	N/A	N/A	N/A	N/A
	Total:	2,086,073	19.00	291.65	5.16						
07	05/06/2022	43,611	0.33	83.42	1.16	N/A	N/A	N/A	N/A	N/A	N/A
	05/29/2022	35,531	0.33	77.48	0.44	N/A	N/A	N/A	N/A	N/A	N/A
	Total:	79,142	0.67	160.90	1.60						
10		There were no Combined Sewer Overflows from regulator 10 during 2022.									
12	12/27/2022	186,036	7.58	97.78	2.57	N/A	N/A	N/A	N/A	N/A	N/A
	Total:	186,036	7.58	97.78	2.57						
14	05/30/2022	20,222	0.42	77.48	0.44	N/A	N/A	N/A	N/A	N/A	N/A
	Total:	20,222	0.42	77.48	0.44						
15		There were no Combined Sewer Overflows from regulator 15 during 2022.									
16		There were no Combined Sewer Overflows from regulator 16 during 2022.									

* Lab results are N/A pending the 2024 CSO Post-Construction Monitoring Plan

TABLE 4-8: 2022 CSO DETAILS BY REGULATOR AND DATE											
CSO Number	CSO Start Date	Volume Discharged (Gallons)	CSO Duration (Hours)	Storm Duration (Hours)	Precipitation (Inches)	Total Ammonia as N (mg/L)*	Total Ammonia as N (lbs/day)*	Total Phosphorous as P (µg/L)*	Total Phosphorous as P (lbs/day)*	CBOD5 (mg/L)*	CBOD5 (lbs/day)* ¹
19		There were no Combined Sewer Overflows from regulator 19 during 2022.									
23		There were no Combined Sewer Overflows from regulator 23-1 during 2022.									
24	02/28/2022	254,705	2.83	214.93	1.57	N/A	N/A	N/A	N/A	N/A	N/A
	05/06/2022	213,818	1.08	83.42	1.16	N/A	N/A	N/A	N/A	N/A	N/A
	06/13/2022	1,155,990	6.25	108.78	1.78	N/A	N/A	N/A	N/A	N/A	N/A
	12/27/2022	4,735,641	22.17	97.78	2.57	N/A	N/A	N/A	N/A	N/A	N/A
	Total	6,360,154	32.33	504.91	7.08						
25		There were no Combined Sewer Overflows from regulator 25 during 2022.									
26		There were no Combined Sewer Overflows from regulator 26 during 2022.									
33-1	12/27/2022	805,582	15.17	97.78	2.57	N/A	N/A	N/A	N/A	N/A	N/A
	Total:	805,582	15.17	97.78	2.57						
33-2	12/27/2022	146,965	13.08	97.78	2.57	N/A	N/A	N/A	N/A	N/A	N/A
	Total:	146,965	13.08	97.78	2.57						
33(Total)	Total:	952,547	15.17								

TABLE 4-8: 2022 CSO DETAILS BY REGULATOR AND DATE											
CSO Number	CSO Start Date	Volume Discharged (Gallons)	CSO Duration (Hours)	Storm Duration (Hours)	Precipitation (Inches)	Total Ammonia as N (mg/L)*	Total Ammonia as N (lbs/day)*	Total Phosphorous as P (µg/L)*	Total Phosphorous as P (lbs/day)*	CBOD5 (mg/L)*	CBOD5 (lbs/day)* ¹
34	06/05/2022	160,895	1.67	83.60	1.40	N/A	N/A	N/A	N/A	N/A	N/A
	12/27/2022	1,405,232	18.83	97.78	2.57	N/A	N/A	N/A	N/A	N/A	N/A
	Total:	1,566,127	20.50	181.38	3.97						
38		There were no Combined Sewer Overflows from regulator 38 during 2022.									
41		There were no Combined Sewer Overflows from regulator 41 during 2022.									
42		There were no Combined Sewer Overflows from regulator 42 during 2022.									
RPWRF		There were no bypasses at RPWRF during 2022.									

Table 4-9 below summarizes the CSO overflow averages based on a 5-year rolling average and a 20-year rolling average. Real time from the last 20 years has been used to calculate the averages. In 2022, nine outfalls are compliant with the 5-year rolling average (CSO 2, 10, 12, 15, 16, 19, 38, 41, and 42), three outfalls are compliant with the 20-year rolling average (CSOs 2, 19, and 42). Out of the 19 control facilities covering 17 outfalls (CSO 10/12 are a combined outfall and CSO 33-1/33-2 are a combined outfall), the majority have averaged one overflow or less per year since being in their final settings for a full calendar year (CSO 2, 10, 12, 14, 15, 16, 19, 23, 25, 26, 33, 34, 38, 41, and 42), two are having their regulator settings reviewed (CSO 6 and 7), and one has plans to bring it into compliance (CSO 24).

TABLE 4-9: SUMMARY OF CSO OUTFALLS AND AVERAGES FOR 2022

CSO OUTFALL	UPSTREAM REGULATOR ID	CSO FREQUENCY IN 2022	CSO 5-YEAR ROLLING AVERAGE ³	CSO 20-YEAR ROLLING AVERAGE ⁴	CSO AVERAGE SINCE FACILITY CONTROLLED ⁵	CORRECTIONS IN PROCESS
02 ¹	02 ¹	0	0.00	0.00	0.00	None – Site is compliant with 20-year rolling average
06	06	3	1.20	17.15	3.00	Setting tested. Changes to regulator being considered to allow more downstream flow.
07	07	2	2.20	6.95	2.00	Setting tested. Plans to remove more stormwater flow from basin being considered.
10/12	10	0	0.00	4.75	0.00	None - Site has been compliant for the last 11 years
10/12	12	1	0.80	17.55	0.80	None - Site has been compliant for the last 5 years
14	14	1	1.20	8.30	0.75	None - Site has been compliant for the last 4 years
15	15	0	0.20	4.40	0.25	None - Site has been compliant for the last 4 years
16	16	0	0.00	2.75	0.00	None - Site has been compliant for the last 15 years
19	19	0	0.20	0.30	0.08	None – Site is compliant with 20-year rolling average
23	23-1	0	1.60	9.45	0.25	None - Site has been compliant for the last 4 years
24	24-1	4	4.40	18.05	2.50	Plans are being made to divert more flow to CSO 26 from CSO 24-1. PLC updates are still being reviewed to make the pumps work more efficiently.
25	25	0	1.60	15.40	0.25	None - Site has been compliant for the last 4 years
26	26	0	13.80	21.80	0.00	None – Site has been complaint for the last 2 years
33	33-1, 33-2	1 ²	2.40	18.10	0.67	None – Site has been compliant for the last 3 years
34	34	2	3.00	14.85	0.67	None - Site has been compliant for the last 3 years
38	38	0	0.00	5.05	0.00	None - Site has been compliant for the last 10 years
41	41	0	0.20	9.70	0.20	None - Site has been compliant for the last 5 years
42	42	0	0.00	0.75	0.00	None – Site is compliant with 20-year rolling average

1. CSO 03C is now associated with CSO Outfall 02.

2. Frequency reflects any simultaneous overflows from multiple regulators to a common outfall

3. CSO overflow average from 2018-2022. Overflows are based on real time data and may include periods before the control facility was completed and in control configuration.

4. CSO overflow average from 2003-2022. Overflows are based on real time data and may include periods before the control facility was completed and in control configuration..

5. A CSO facility is “controlled” when it is in its first full year of operation – i.e. CSO 26 became operational in Aug. 2020, so it is “controlled” in 2021

Section 5: CSO O&M Manual

CSO O&M MANUAL

City of Spokane

OPERATIONS & MAINTENANCE PLAN

For

CSO Regulators and Outfalls

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GOAL:

The goal of this operations and maintenance plan is to properly manage the CSO regulator structures and prevent combined sewer dry weather overflows (DWO). To accomplish that we have eliminated most of the dam and leaping weir methods of control and upgraded to hydrosides and tanks for storage. Dam and leaping weir overflow occurs within the same manhole as the active sewer line. This style has potential to plug and overflow immediately to the river.

The modified weirs and tanks have storage areas before the overflow weir. This allows for some response time prior to the actual overflow. See comprehensive 6 year sewer program for future tank construction schedules.

AWARENESS AND PREVENTION:

- Wastewater Maintenance Atlas has the CSO regulator basin areas identified by shading and labeling, as to the immediate impact on the regulator through various maintenance procedures.
- Wastewater Crew member training to include these designated areas of immediate impact shall take place annually.
- All contract documents for our cured in place pipe program and any work upstream of regulator that could affect regulator shall include reference to the regulator and/or control device sites and strict notification to the contractor that mechanical measures must be taken to prevent any type of dry weather over flow from any and all work performed by the contractor.
- Maintenance and Construction procedures have been reviewed to include the feasibility of installing pneumatic plugs / sand bags during the course of routine work to prevent any type of dry weather overflow in designated areas.
- Training of Water Department Staff and other city staff that have the potential to cause a DWO.

FREQUENCY OF INSPECTION:

Routine Inspections:

Visual inspection or by remote means by a Wastewater Specialist or CSO Instrument Technician for each CSO structure (without storage capabilities) shall take place once a week year around, unless maintenance history dictates a more frequent schedule is required. The City's CSOs are geographically split into those located north or south of the Spokane River (see weir check lists).

Inspections shall include a visual check for any blockages, plugs, sticks, rocks or debris and be used to assess the overall operating condition. CSO monitoring alarm thresholds have been reviewed and, where feasible, lowered. Remote regular verification of CSO monitoring equipment and telemetry status from RPWRF has been implemented. Weekly visual inspections are accomplished along with continued monitoring. The exception to this schedule shall be on any regulator and/or control device that has been plugged; it is checked daily for five working days, and then checked once a week for a month, before returning to the regular schedule.

- Check all outfall pipes and down stream banks once monthly for signs of overflow.
- Check all sign condition once monthly, if damaged fix as soon as possible.
- As determined by remote monitoring, any CSO structure that overflows following the prior week check will have that outfall pipe checked. Down stream banks will be checked for sewage debris, and cleaned up.

Routine Tank Inspection

See the O & M manual and/or SOP for appropriate tank inspection checklist.

Visual inspection of each tank shall take place annually per each tank O&M procedures.

An intermediate event is when water gets in the flush tanks and/ or the tank. An extreme event is when the tank fills then overflows to the river.

If monitoring indicates the tanks have filled in an intermediate or extreme event, a follow-up visual inspection of tank components will take place within 7 days of the event.

Stage II Snow Event Procedures

Routine weekly visual inspections will be suspended during stage II snow events for access and safety reasons.

- Remote monitoring of CSO's will continue during the stage II event.

High River Procedures

For safety reasons, outfalls and downstream river bank inspections will be suspended when the river flows are above 25,000 cfs.

Dry Weather Procedures:

DWO procedures will be done year around. When notification of a possible dry weather overflow occurs Wastewater maintenance will:

- Inspect affected regulator and/or control device and return to normal operation

DWO MAINTENANCE PROCEDURES:

If the regulator and/or control device is overflowing, the crew will immediately try to dislodge any debris causing the blockage with the service truck pole. If this is unsuccessful, the crew will radio Wastewater Maintenance to get the closest available hydro cleaner to assist in clearing the blockage. The crew will continue to work with the pole to dislodge any debris until the hydro crew arrives. If the blockage is still not 100% clear from the regulator and/or

control device, the crew shall immediately notify the appropriate Supervisor in order to enter the confined space; per the Wastewater Management confined space entry program and remove all foreign objects with hooks and shovels or by using a combination sewer cleaner with vacuum capabilities. (Note: If the debris cannot be removed expediently, it may be necessary to plug the sewer line and by-pass pump all the flow to another sanitary facility in the interim to remove all debris.) This practice shall be continued until the structure is flowing cleanly and there is no doubt that the regulator and/or control device is 100% free of any obstruction.

- Document the DWO on the complaint form.
- Try to identify the debris blocking weir
- Where possible state the size or amount of blockage

CAUTION SIGNS AND FLAGS:

During high river use, between April 15th and November 1st, river entry point signage will also be displayed.

Flags and signage will not be displayed between November 2nd and April 14th.

- Flip open signage and install flags for 24 hours at Plese Flats, T.J. Meenach, Red Band Park, and Water Ave river access points.
- Remove any sewage debris in the vicinity of the outfall within three days of any dry weather overflow,
- Check signage at outfall

INTERNAL NOTIFICATION PROTOCOL:

Notification of any plugged regulator and or control device shall be directed immediately, 24 hours a day, to Wastewater Maintenance (625-7900) and passed on to the appropriate Supervisor;

After hours Supervisor will contact RPWRF operator to give a point of contact. When resolved, Supervisor will contact RPWRF operator on weir status.

- Dan Duffey Radio #326,
- Mal Lund Radio #330,
- Jim Montague Radio #350,

Reviewed 1/5/23

Revised 8/16/22

- Ralph Kirby Radio 331

SUPERVISOR PROCEDURES:

In any Dry Weather Overflow (DWO) event, the Wastewater Maintenance and Collection Superintendent, Mike Lowdon, or responsible person shall notify external personnel as defined in the following section and notify the Director of Wastewater Management, Raylene Gennett, and the Director of Public Works, Marlene Feist.

- Minimum information needed by Supervisors for initial (24-hour) DWO notification is:
- Location and Regulator Number
- Time of notification to Wastewater Maintenance and/or time DWO was discovered
- Notify RPWRF Operator of overflow, as to activate public notification on the city website.

Additional information needed by Supervisors for follow-up report due to DOE within 5 business days includes:

- Start and end times of DWO
- Duration of DWO (cumulative recorded overflow time)
- Estimated gallons of DWO calculated from a review of information provided by programmer analyst
- Pipe and weir sizes involved
- Description of Wastewater Management response, including timeline (alarm, validation, maintenance crew arrival, return to normal operation)
- Cause of DWO, if it can be determined
- Any special circumstances, such as vandalism, firefighting, water main break, damaged monitors or telemetry, etc.
- How we might prevent in the future, as applicable

24 HOUR PHONE NOTIFICATION TO ECOLOGY:

Wastewater Maintenance and Collection Superintendent, Mike Lowdon or responsible person shall verbally notify the Dept. of Ecology within 24 hours of the city becoming aware of a possible DWO event. **Such notification shall be to Ecology's 24-hour phone number 329-3400.** If during business hours, attempt to also notify the NPDES permit manager and enforcement coordinator at Ecology via that same phone number or by e-mail.

24 HOUR PHONE NOTIFICATION TO SPOKANE REGIONAL COUNTY HEALTH:

Wastewater Collection Superintendent, Mike Lowdon or responsible person shall verbally notify **Spokane Regional County Health (SRCH) 8am to 5:00 pm call 324-1560. After hours call 624- 4146.** During business hours attempt to notify Mike LaScuola at the 324-1574 within 24 hours of the city becoming aware of a possible DWO event.

POST EVENT INSPECTION:

Any regulator and/or control device that has been plugged;

- Check daily for five working days,
- Then check once a week for a month,
- If no signs of issues with regulator during the post inspections then return to the regular schedule.

5 DAY WRITTEN REPORT TO ECOLOGY:

Wastewater Maintenance and Collection Superintendent, Mike Lowdon or responsible person shall submit a written report documenting the DWO event. The written report shall be sent to the NPDES permit manager at Department of Ecology within five (5) business days per the notification plan.

RECORD KEEPING:

All monthly inspection reports shall be kept on file at Wastewater Maintenance. Regarding dry weather overflow events, a log of all radio communications during the event will be kept on file. All 5 day written reports for DWO events submitted to Ecology and shall be placed on file. The monthly CSO regulator inspection information is recorded electronically. The data shall reference the manhole identification number (I.D.) and CSO regulator number.

SUBMISSION DATES:

Previous year's weir, sign and outfall inspection reports shall be submitted by October 1st each year. (Reference NPDES Permit S14.D.5)

Annual review of the CSO O&M Plan shall be submitted on March 31st of each year. (Reference NPDES Permit S5.H.a.1)

Section 6: FOG Investigations

FOG INVESTIGATIONS

Wastewater Discharge Investigation Request
Employee reporting problem: Doug Uhlenkott
Contact e-mail / phone: 625-7911
Supervisor: Mal Lund
Date and time: 7-21 2PM
SR#:
Location (manhole # and closest intersection - attach map and photos if possible)
2nd & Madison
Observation(s) - sight, smell, people, processes, or environment
Grit coming out of side sewer connection
Clean up required (materials, man hours & employee names)
Any interactions with business owner
No
Can you identify source of problem? Please list.
Video inspection of side sewer
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600
No
Pretreatment Office only
Request Received on:
Received by:
Request #:
Final Report sent date (send all info. to employee and supervisor):
ACTIONS TAKEN TO LOCATE AND RESOLVE PROBLEM:
Tim Hamm and Harper Havko visited the Larry H. Miller Lexus dealership during the week of July 29th. They spoke the manager and requested oil water separator service logs to be sent to hhavko@spokanecity.org. The service logs have not been received. Further investigation will be required.
CONCLUSIONS:

Wastewater Discharge Investigation Request
Employee reporting problem: John Creed
Contact e-mail / phone: mlund@spokanecity.org
Supervisor: Mal Lund
Date and time: 9/14/2021
SR#:
Location (manhole # and closest intersection - attach map and photos if possible)
Alley behind 4427 W Wellseley
Observation(s) - sight, smell, people, processes, or environment
Grease in sewer main
Clean up required (materials, man hours & employee names)
Found during routine maintance
Any interactions with business owner
Can you identify source of problem? Please list.
Grease frem sewer tap
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600
Pretreatment Office only
Request Received on: 9/20/2021
Received by: Harper Havko
Request #:
Final Report sent date (send all info. to employee and supervisor):
ACTIONS TAKEN TO LOCATE AND RESOLVE PROBLEM:
An in person inspection was performed by Tim Hamm and Harper Havko at Outlaw BBQ on September 20, 2021. A working grease trap was observed and a request for three months of grease trap service manifests were to be sent to hhavko@sopkanecity.org . The manifests were never recieved. Upon further investigation, it was determined that Fieldhouse Pizza is on the same line as Outlaw BBQ. Certified letters were sent to Outlaw BBQ and Fielhouse Pizza requesting 3 months of grease trap manifests on November 24, 2021 with a deadline of 30 days past the receiept of the letter. Manifests have not been recieved by either business and another in person visit will be required to further enforcement.
CONCLUSIONS:

Wastewater Discharge Investigation Request
Employee reporting problem: Dave Hanshaw
Contact e-mail / phone: mlund@spokanecity.org
Supervisor: Mal Lund
Date and time: 3/1/2022
SR#:
Location (manhole # and closest intersection - attach map and photos if possible)
2721 N Market-Grace ave Sewer Market to Haven
Observation(s) - sight, smell, people, processes, or environment
Grease found during routine inspection on 12-15-21 we were unable to determine if the current business was causing issue-Reinspected 2-25-22 and found grease
Clean up required (materials, man hours & employee names)
Not severe enough for cleaning at this time
Any interactions with business owner
On 12-15-20 we had talked to one of the employees about possible grease coming from sewer tap
Can you identify source of problem? Please list.
Sewer tap for Market Street Pizza
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600
Pretreatment Office only
Request Received on: 3/2/2022
Received by: Tim Hamm
Request #:
Final Report sent date (send all info. to employee and supervisor):
ACTIONS TAKEN TO LOCATE AND RESOLVE PROBLEM:
Visited Market Street Pizza to discuss and inspect grease traps. Delivered BMPs.
CONCLUSIONS:
Spoke with manager about FOG control to a positive response.

Wastewater Discharge Investigation Request
Employee reporting problem: Doug Uhlenkott
Contact e-mail / phone: 625-7900
Supervisor: Mal Lund
Date and time: 4/22/2022
SR#: W/O #49576
Location (manhole # and closest intersection - attach map and photos if possible)
Alley sewer East of Thor manhole south side of Sprague to manhole south. Happiness Chinese 3420 E Sprague
Clean up required (materials, man hours & employee names)
Found during routine maintenance
Any interactions with business owner
No
Can you identify source of problem? Please list.
Grease from side sewer tap for 3420 E Sprague
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600
Pretreatment Office only
Request Received on: 4/26/2022
Received by: Tim Hamm
Request #:
Final Report sent date (send all info. to employee and supervisor):
ACTIONS TAKEN TO LOCATE AND RESOLVE PROBLEM:
Tim Hamm and Harper Havko visited this business on 5/25/2022. We delivered BMPs and inspected the grease trap, which was full. We advised that a pumpout should be scheduled as soon as possible.
CONCLUSIONS:
No further action is recommended at this time. If the problem persists, escalation of enforcement is advised.

Section 7: CSO Maintenance Records

CSO MAINTENANCE RECORDS



WEIR INSPECTION DETAILED SUMMARY REPORT - 2022

Protecting the Spokane River



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Summary – Overflows Checked:

CSO	Date of Overflow	Date Checked	Work Order	Report Referenced	Report Page
6	1/7/2022	1/10/2022	47917	Weir Check Events Noncyclic	73
	6/3/2022	6/7/2022	50228	Weir Check Events Noncyclic	74
	12/27/2022	12/28/2022	53109	Weir Check Events Noncyclic	75
7	5/6/2022	5/9/2022	49835	Weir Check Events Noncyclic	76
	5/29/2022	5/31/2022	50097	Weir Check Events Noncyclic	76
12	12/27/2022	12/28/2022	53112	Weir Check Events Noncyclic	49
14	5/30/2022	5/31/2022	50098	Weir Check Events Noncyclic	46
24-1	2/28/2022	3/2/2022	48731	Weir Check Events Noncyclic	51
	5/6/2022	5/9/2022	49834	Weir Check Events Noncyclic	52
	6/13/2022	6/16/2022	50386	Weir Check Events Noncyclic	53
	12/27/2022	12/28/2022	53110	Weir Check Events Noncyclic	54
33-1	12/27/2022	12/28/2022	53115	Weir Check Events Noncyclic	61
33-2	12/27/2022	12/29/2022	53120	Weir Check Events Noncyclic	62
34-1	6/5/2022	6/8/2022	50273	Weir Check Events Noncyclic	63
	12/27/2022	12/28/2022	53116	Weir Check Events Noncyclic	64

Summary – Yearly Tank Checks:

CSO	Date Checked	Work Order	Report Referenced	Page
2/3	6/20/2022	44670	Weir Check Tank	9
6	6/27/2022	44888	Weir Check Tank	10
7	6/8/2022	44669	Weir Check Tank	11
10	6/28/2022	44966	Weir Check Tank	12
12	6/22/2022	44868	Weir Check Tank	13
16	6/22/2022	44954	Weir Check Tank	14
23-1	6/20/2022	44691	Weir Check Tank	15
23-2	6/20/2022	44673	Weir Check Tank	16
24-1	6/16/2022	44727	Weir Check Tank	17
24-2	6/30/2022	44701	Weir Check Tank	18
24-3 (20)	6/30/2022	44746	Weir Check Tank	19
25	6/13/2022	44672	Weir Check Tank	20
26	6/16/2022	46318	Weir Check Tank	21
33-1	6/27/2022	44912	Weir Check Tank	22
33-2	7/1/2022	45008	Weir Check Tank	23
34-1	6/27/2022	44910	Weir Check Tank	24
34-2	7/11/2022	44937	Weir Check Tank	25
34-3	7/8/2022	44925	Weir Check Tank	26
38-1	6/20/2022	44768	Weir Check Tank	27
38-2 (39)	6/20/2022	44917	Weir Check Tank	28
38-3 (40)	6/13/2022	44769	Weir Check Tank	29
41	6/16/2022	44686	Weir Check Tank	30
42	6/28/2022	44978	Weir Check Tank	8
I-03	6/29/2022	44947	Weir Check Tank	31
I-04	7/7/2022	44953	Weir Check Tank	32
I-07	6/30/2022	50459	Weir Check Tank	33

Weir Check Sign Report

Weir Sign Check Report for 2022

CSO	Location	Work Order #	Inspection Date	Comments	WEIR SIGN CONDITION
for CSO #10	*** Check what is a CSO sign south side of parking area.	47735	1/25/2022 10:35:00 AM		Satisfactory
		48123	2/22/2022 9:00:59 AM		Satisfactory
		48589	3/22/2022 9:15:00 AM		Satisfactory
		49042	4/19/2022 11:11:34 AM		Satisfactory
		49501	5/17/2022 9:45:16 AM		Satisfactory
		49962	6/14/2022 9:49:07 AM		Satisfactory
		50351	7/12/2022 11:29:19 AM	Had to remove graffiti from kiosk	Damaged
		50727	8/9/2022 9:00:17 AM		Satisfactory
		51127	9/6/2022 9:25:44 AM		Satisfactory
		51538	10/4/2022 11:20:43 AM		Satisfactory
		51975	11/1/2022 9:15:04 AM	What is a cso sign ok. Fold down overflow sign has been removed due to construction.	Satisfactory
		52406	11/29/2022 9:20:36 AM		Satisfactory
		52775	12/27/2022 9:20:50 AM		Satisfactory

Weir Sign Check Report for 2022

CSO	Location	Work Order #	Inspection Date	Comments	WEIR SIGN CONDITION
for CSO #12	*** Check what is a CSO sign at east end of parking area.	47736	1/25/2022 10:45:00 AM		Satisfactory
		48124	2/22/2022 9:10:30 AM		Satisfactory
		48590	3/22/2022 9:25:26 AM		Satisfactory
		49044	4/19/2022 11:19:34 AM		Satisfactory
		49503	5/17/2022 9:55:00 AM		Satisfactory
		49963	6/14/2022 9:56:15 AM		Satisfactory
		50352	7/12/2022 11:41:56 AM		Satisfactory
		50728	8/9/2022 9:05:03 AM		Satisfactory
		51128	9/6/2022 9:10:31 AM		Satisfactory
		51539	10/4/2022 11:25:22 AM		Satisfactory
		51976	11/1/2022 9:21:49 AM		Satisfactory
		52407	11/29/2022 9:25:36 AM		Satisfactory
		52777	12/27/2022 9:30:30 AM		Satisfactory

Weir Sign Check Report for 2022

CSO	Location	Work Order #	Inspection Date	Comments	WEIR SIGN CONDITION
For CSO #22	*** Check what is a CSO sign at end of Water Ave.	47734	1/25/2022 8:55:08 AM		Missing
		48121	2/22/2022 9:50:42 AM		Missing
		48592	3/22/2022 8:05:47 AM		Missing
		49043	4/19/2022 8:03:57 AM		Satisfactory
		49493	5/17/2022 8:20:16 AM		Missing
		49961	6/14/2022 8:53:05 AM	Signs have been installed and are ok	Satisfactory
		50345	7/12/2022 8:35:35 AM		Satisfactory
		50710	8/9/2022 8:35:06 AM		Satisfactory
		51126	9/6/2022 8:35:59 AM		Satisfactory
		51537	10/4/2022 11:00:13 AM		Satisfactory
		51973	11/1/2022 9:43:14 AM		Satisfactory
		52409	11/29/2022 9:50:06 AM		Satisfactory
		52773	12/27/2022 8:50:00 AM		Satisfactory

Weir Sign Check Report for 2022

CSO	Location	Work Order #	Inspection Date	Comments	WEIR SIGN CONDITION
For CSO #22	*** Check what is a CSO sign on fence at Red Band Park boat launch.	47733	1/25/2022 8:49:13 AM		Satisfactory
		48110	2/22/2022 9:45:01 AM		Satisfactory
		48588	3/22/2022 8:00:29 AM		Satisfactory
		49041	4/19/2022 7:58:42 AM		Satisfactory
		49492	5/17/2022 8:15:00 AM		Satisfactory
		49960	6/14/2022 8:47:57 AM		Satisfactory
		50344	7/12/2022 8:31:06 AM		Satisfactory
		50709	8/9/2022 8:30:21 AM		Satisfactory
		51125	9/6/2022 8:25:20 AM		Satisfactory
		51536	10/4/2022 11:05:56 AM		Satisfactory
		51974	11/1/2022 9:40:53 AM		Satisfactory
		52408	11/29/2022 9:55:44 AM		Satisfactory
		52774	12/27/2022 8:45:08 AM		Satisfactory

Weir Sign Check Report for 2022

CSO	Location	Work Order #	Inspection Date	Comments	WEIR SIGN CONDITION
For CSO #41	*** Check what is a CSO sign at east end of parking area.	47737	1/25/2022 2:45:22 PM		Satisfactory
		48132	2/22/2022 9:30:57 AM		Satisfactory
		48591	3/22/2022 9:45:55 AM		Satisfactory
		49045	4/19/2022 11:55:00 AM		Satisfactory
		49506	5/17/2022 10:45:47 AM	As a crew we looked at all the locations of the Overflow to River signs to train Les Curtis.	Satisfactory
		49964	6/14/2022 10:30:58 AM		Satisfactory
		50354	7/12/2022 10:01:27 AM		Satisfactory
		50721	8/9/2022 9:25:15 AM		Satisfactory
		51129	9/6/2022 10:00:13 AM		Satisfactory
		51540	10/4/2022 11:45:57 AM	All checks complete. No issues with signs.	Satisfactory
		51977	11/1/2022 10:05:56 AM		Satisfactory
		52415	11/29/2022 9:00:18 AM		Satisfactory
		52778	12/27/2022 12:20:15 PM		Satisfactory

Weir Check Tank Report

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #42 - Surro & Waterworks	44978	6/28/2022 2:30:16 PM	All checks complete. Sump appears to be retrograde right at the check valves not allowing the sump to drain completely.	A	CLEAN	N/A	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #03C Assembly @ Royal Ct ABOVE AWWTP ON HILLSIDE CSO #02 AL Parkway Storage 5023 nw blvd pipe@mh	44670	6/20/2022 9:00:35 AM	All checks complete. Outfall pipe is under water.	A	CLEAN	N/A	NO FLOW	CLEAN	OVERCAST

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #06 - KIERNAN @ NW BL NEW VAULT 2 INT ON W SIDE OF STREET CSO 6 OVERFLOW MH, SW CORNER	44888	6/27/2022 9:45:35 AM		A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #07 - W/COLUMBIA CIR @IN FRONT OF DOWNRIVER GOLF COURSE	44669	6/8/2022 10:30:16 AM	All yeary checks ok.	A	N/A	N/A	NO FLOW	N/A	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #10- NETTLETON @ BUCKEYE	44966	6/28/2022 10:30:28 AM	All checks complete. Flush gate #2 needed hook rail adjustment to engage rollers fully. Cleaned off platform around CTI and cleaned all of FCC.	A	CLEAN	N/A	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #12 - PETIT DR N/O NORA** Outfall now combined with #10 OF W/O TJ Meenach	44868	6/22/2022 12:30:53 PM	Checks complete. Sump and CTI require further cleaning after storm events.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #16 - CSO 16 & 18 DETENTION TANK PROJECT RIVERSIDE & CLARKE	44954	6/22/2022 2:30:20 PM	Checks complete. Calgon lid opened and carbon checked earlier this year. Replaced furnace filter during facility maintenance check. Cleaned out flush tanks and did a fill and flush on each tank.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #23-1 -SUMMIT & CEDAR CSO 23-1 OVERFLOW	44691	6/20/2022 10:45:00 AM	All checks complete.	A	N/A	N/A	NO FLOW	N/A	OVERCAST

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #23-2 BRIDGE BETWEEN OAK & ASH -	44673	6/20/2022 10:00:40 AM	Checks complete. Outfall sign under water; visually checked from Peaceful Valley South side of river.	A	N/A	N/A	NO FLOW	N/A	OVERCAST

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #24 - OVERFLOW AT CSO 24 TANK	44727	6/16/2022 11:55:00 AM	Annual inspection complete. Post wet weather event cleaning required before inspection could be started. Tank #1 flush gate has an issue with pump pressure and automatically shuts done.	A	FULL	OK	NO FLOW	NEEDS CLEANING	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #24-2 W HIGH DR EAST OF BERNARD ST ON ACCESS RD	44701	6/30/2022 10:45:24 AM	All checks complete. Storage area need to be flushed out further and possible floor adjustment to help with directing flow to the check valves.	N/A	N/A	N/A	N/A	NEEDS CLEANING	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #24-3 - E 43RD AV EAST OF HATCH RD	44746	6/30/2022 9:30:42 AM	All checks complete. Odor control motor still not operational.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #25 Main	44672	6/13/2022 10:00:17 AM	All yearly inspection checks ok.	A	N/A	N/A	NO FLOW	N/A	WET

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #26 - LINCOLN @ SPOKANE FALLS BLVD VAULT ON SW CORNER. WEIR MOD PLAN #99057 AND #99-057	46318	6/16/2022 12:00:23 PM	Electro slide has damaged glide material repair under advisement. Odor control material needs changed working on change unit is working; All other yearly checks ok.	A	CLEAN	OK	NO VISIBLE FLOW	CLEAN	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #33-1 TANK OVERFLOW WEIR	44912	6/27/2022 11:45:00 AM	Checks complete. Needed to adjust top hinge bolts for tanks #2, #3, and #4. Latch mechanism would not engage fully. Filled and flushed all tanks. Sump needs to be cleaned via entry.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #33-2 Sprague & Sprague Way	45008	7/1/2022 10:30:29 AM	All yearly inspections good.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #34-1 M/H Hatch, Crestline & Riverside N/W Corner of lot	44910	6/27/2022 2:15:02 PM	Entry to clean flush tanks and sump. All check complete.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #34-2 Underhill Park 9TH & FISKE IN THE PARK	44937	7/11/2022 2:30:07 PM	All checks complete. FCC cleaned and flush tanks filled and flushed to help clean spillways and sump. More cleaning required for future bridge inspection. Odor control ventilation continues to fall in elevation causing strain to the couplers. Still waiting for a sump pump to be installed by facility maintenance.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #34-3 RAY & 21st	44925	7/8/2022 9:30:58 AM	All checks complete. Odor control #1 still down awaiting replacement media. Tightened butterfly valve control motor mounts. Cleaned sump and FCC.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #38-1 Magnolia @ Riverton South Riverton w/o Magnolia	44768	6/20/2022 2:15:27 PM	Checks complete. Backflow valve at outfall pipe checks need to be added for next year's checks.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #38-2 CONTROL STRUCTURE @ALTAMONT & SO RIVERTON WAS CSO 39	44917	6/20/2022 1:30:17 PM	Checks complete. Heater units now working properly; waiting for annual facility maintenance checks to determine problem.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #38-3 Regal @ S Riverton Was old CSO #40	44769	6/13/2022 10:30:54 AM	All yearly inspections ok.	A	N/A	N/A	N/A	N/A	WET

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #41 - REBECCA @ UPRIVER REBECCA & UPRIVER DR.	44686	6/16/2022 2:45:04 PM	Flush tank operates normally with hand pump device. Door reset to closed position after bleeding fluid off. Storage pipe and overflow FCC needs cleaned.	A	CLEAN	N/A	NO FLOW	NEEDS CLEANING	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection I-03 TJ & W Northwest	44947	6/29/2022 11:30:44 AM	Problem with pump controller monitoring crew repairing. Heater in mechanical room not working under repair. All other yearly inspections good. (emergency lighting not working)	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection I-04 Monroe @ Summit Pkwy	44953	7/7/2022 10:45:53 AM	All checks complete. Electoslide still removed due to failure and awaiting replacement with electrician from treatment plant. Odor control unit #1 still inoperable until we fix or replace internal grid support structure.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2022

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection I-07 NW CORNER RIVERSIDE/NAPA	50459	6/30/2022 2:15:09 PM	All checks complete. Flush tank #1 found full. All tanks required cleaning for inspection. Spillways and sump require further cleaning and sump pump float levels need adjustment. Bolt sticking up through CTI pvc pipe requires removal.	N/A	FULL	OK	N/A	NEEDS CLEANING	DRY

Weir Check MH Cyclic Report

Manhole Weir Check Cyclic Report for 2022

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #14 - SHERWOOD @ SUMMIT NEW CSO 14 VAULT ON N SIDE OF INT	47731	1/4/2022 12:54:00 PM		SNOW	A	N/A	N/A
	47869	1/11/2022 8:10:50 AM		OVERCAST	A	N/A	N/A
	47927	1/18/2022 8:32:33 AM		OVERCAST	A	NOFLOW	A
	48018	1/25/2022 8:15:03 AM		SNOW	A	N/A	N/A
	48108	2/1/2022 12:50:00 PM		DRY	A	N/A	N/A
	48250	2/8/2022 8:20:45 AM		DRY	A	N/A	N/A
	48381	2/15/2022 8:50:59 AM		OVERCAST	A	NOFLOW	A
	48500	2/22/2022 8:30:01 AM		DRY	A	N/A	N/A
	48585	3/1/2022 8:01:00 AM		DRY	A	N/A	N/A
	48658	3/8/2022 10:04:59 AM		DRY	A	N/A	N/A
	48826	3/15/2022 9:00:15 AM		OVERCAST	A	NOFLOW	A
	48921	3/22/2022 8:30:15 AM		OVERCAST	A	N/A	N/A
	49039	3/29/2022 9:30:20 AM		DRY	A	N/A	N/A
	49136	4/5/2022 7:52:00 PM		DRY	A	N/A	N/A
	49264	4/12/2022 10:35:22 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2022

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #14 - SHERWOOD @ SUMMIT NEW CSO 14 VAULT ON N SIDE OF INT	49379	4/19/2022 9:02:52 AM		DRY	A	NOFLOW	A
	49495	4/26/2022 8:20:25 AM		WET	A	N/A	N/A
	49594	5/3/2022 8:09:00 AM		OVERCAST	A	N/A	N/A
	49717	5/10/2022 8:15:17 AM		DRY	A	N/A	N/A
	49862	5/17/2022 8:40:22 AM		DRY	A	FLOW	A
	49957	5/24/2022 8:33:28 AM		DRY	A	N/A	N/A
	50033	5/31/2022 9:30:45 AM		OVERCAST	A	NOFLOW	A
	50099	6/8/2022 2:30:00 PM	Checked under extreme event 5/31 W/O# 50098	DRY	A	N/A	N/A
	50266	6/14/2022 9:24:21 AM		OVERCAST	A	N/A	N/A
	50347	6/21/2022 8:00:28 AM		DRY	A	NOTVISABLE	A
	50443	6/28/2022 8:14:43 AM		DRY	A	N/A	N/A
	50519	7/5/2022 8:11:00 AM		DRY	A	N/A	N/A
	50692	7/12/2022 9:06:02 AM		DRY	A	N/A	N/A
	50714	7/19/2022 10:05:21 AM		DRY	A	NOFLOW	A
	50813	7/26/2022 8:18:00 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2022

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #14 - SHERWOOD @ SUMMIT NEW CSO 14 VAULT ON N SIDE OF INT	50879	8/2/2022 8:10:00 AM		DRY	A	N/A	N/A
	51030	8/9/2022 8:05:38 AM		DRY	A	N/A	N/A
	51117	8/16/2022 9:36:14 AM		DRY	A	NOFLOW	A
	51233	8/23/2022 8:10:07 AM		DRY	A	N/A	N/A
	51317	8/30/2022 8:50:31 AM		DRY	A	N/A	N/A
	51417	9/6/2022 9:23:00 AM		DRY	A	N/A	N/A
	51572	9/13/2022 8:00:11 AM		DRY	A	N/A	N/A
	51663	9/20/2022 2:02:10 PM		DRY	A	NOFLOW	A
	51769	9/27/2022 8:35:02 AM		DRY	A	N/A	N/A
	51843	10/4/2022 8:05:00 AM		DRY	A	N/A	N/A
	51964	10/11/2022 8:40:00 AM		DRY	A	N/A	N/A
	52095	10/18/2022 8:58:30 AM		DRY	A	NOFLOW	A
	52197	10/25/2022 8:25:00 AM		OVERCAST	A	N/A	N/A
	52300	11/1/2022 11:02:07 AM		WET	A	N/A	N/A
	52440	11/8/2022 12:00:00 PM		SNOW	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2022

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #14 - SHERWOOD @ SUMMIT NEW CSO 14 VAULT ON N SIDE OF INT	52550	11/15/2022 10:50:57 AM		OVERCAST	A	NOFLOW	A
	52639	11/22/2022 7:55:47 AM		OVERCAST	A	N/A	N/A
	52725	11/29/2022 9:35:39 AM		DRY	A	N/A	N/A
	52771	12/6/2022 8:30:00 AM		OVERCAST	A	N/A	N/A
	52912	12/13/2022 8:40:52 AM		OVERCAST	A	N/A	N/A
	52978	12/20/2022 9:30:12 AM	No outfall check dueto weather	SNOW	A	N/A	N/A
	53063	12/27/2022 11:50:41 AM		WET	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2022

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #15 - OHIO @ NETTLETON NEW CSO 15 VAULT - TO WEST OF ASSUMED INT - OHIO/NETTLETON	47732	1/4/2022 1:05:00 PM		SNOW	A	N/A	N/A
	47870	1/11/2022 8:20:20 AM		OVERCAST	A	N/A	N/A
	47928	1/18/2022 9:30:11 AM		OVERCAST	A	NOTVISABLE	A
	48020	1/25/2022 8:37:01 AM		SNOW	A	N/A	N/A
	48109	2/1/2022 1:00:22 PM		DRY	A	N/A	N/A
	48251	2/8/2022 8:30:26 AM		DRY	A	N/A	N/A
	48382	2/15/2022 9:50:53 AM		OVERCAST	A	NOTVISABLE	A
	48501	2/22/2022 8:45:55 AM		DRY	A	N/A	N/A
	48586	3/1/2022 8:10:00 AM		DRY	A	N/A	N/A
	48659	3/8/2022 10:26:37 AM		DRY	A	N/A	N/A
	48827	3/15/2022 9:45:52 AM		OVERCAST	A	NOTVISABLE	A
	48922	3/22/2022 8:40:57 AM		OVERCAST	A	N/A	N/A
	49040	3/29/2022 9:45:54 AM		DRY	A	N/A	N/A
	49137	4/5/2022 8:00:52 PM		DRY	A	N/A	N/A
	49265	4/12/2022 10:49:18 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2022

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #15 - OHIO @ NETTLETON NEW CSO 15 VAULT - TO WEST OF ASSUMED INT - OHIO/NETTLETON	49382	4/19/2022 9:31:43 AM		DRY	A	NOTVISABLE	A
	49496	4/26/2022 8:30:07 AM		WET	A	N/A	N/A
	49595	5/3/2022 8:19:00 AM		OVERCAST	A	N/A	N/A
	49718	5/10/2022 8:30:44 AM		DRY	A	N/A	N/A
	49863	5/17/2022 9:30:14 AM		DRY	A	NOFLOW	A
	49958	5/24/2022 8:47:46 AM		DRY	A	N/A	N/A
	50034	5/31/2022 9:15:00 AM		OVERCAST	A	N/A	N/A
	50100	6/7/2022 9:20:00 AM		DRY	A	N/A	N/A
	50236	6/14/2022 9:35:59 AM		DRY	A	N/A	N/A
	50348	6/21/2022 8:15:31 AM		DRY	A	NOTVISABLE	A
	50444	6/28/2022 8:25:06 AM		DRY	A	N/A	N/A
	50520	7/5/2022 8:20:00 AM		DRY	A	N/A	N/A
	50693	7/12/2022 9:18:20 AM		DRY	A	N/A	N/A
	50716	7/19/2022 9:55:22 AM		DRY	A	NOTVISABLE	A
	50814	7/26/2022 8:27:04 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2022

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #15 - OHIO @ NETTLETON NEW CSO 15 VAULT - TO WEST OF ASSUMED INT - OHIO/NETTLETON	50880	8/2/2022 8:26:00 AM		DRY	A	N/A	N/A
	51031	8/9/2022 8:15:11 AM		DRY	A	N/A	N/A
	51118	8/16/2022 10:57:44 AM		DRY	A	NOFLOW	A
	51239	8/23/2022 8:15:04 AM		DRY	A	N/A	N/A
	51318	8/30/2022 9:00:32 AM		DRY	A	N/A	N/A
	51418	9/6/2022 10:01:00 AM		DRY	A	N/A	N/A
	51573	9/13/2022 8:15:49 AM		DRY	A	N/A	N/A
	51664	9/20/2022 3:00:00 PM		DRY	A	NOFLOW	A
	51778	9/27/2022 9:00:34 AM		DRY	A	N/A	N/A
	51844	10/4/2022 8:20:00 AM		DRY	A	N/A	N/A
	51965	10/11/2022 8:55:22 AM		DRY	A	N/A	N/A
	52096	10/18/2022 9:53:30 AM		DRY	A	NOTVISABLE	A
	52199	10/25/2022 8:35:51 AM		OVERCAST	A	N/A	N/A
	52301	11/1/2022 10:12:28 AM		WET	A	N/A	N/A
	52444	11/8/2022 10:31:05 AM		SNOW	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2022

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #15 - OHIO @ NETTLETON NEW CSO 15 VAULT - TO WEST OF ASSUMED INT - OHIO/NETTLETON	52539	11/15/2022 11:30:11 AM		OVERCAST	A	NOTVISABLE	A
	52640	11/22/2022 8:00:00 AM		OVERCAST	A	N/A	N/A
	52726	11/29/2022 9:45:26 AM		DRY	A	N/A	N/A
	52772	12/6/2022 8:40:00 AM		OVERCAST	A	N/A	N/A
	52913	12/13/2022 8:50:53 AM		OVERCAST	A	N/A	N/A
	52979	12/20/2022 9:51:31 AM	No outfall check due to weather	SNOW	A	N/A	N/A
	53064	12/27/2022 12:00:35 PM		WET	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2022

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #19 - 7TH @ CANNON N/O 7TH W/O INLAND EMPIRE WY @ TURN OUT. SQUARE VAULT.	47730	1/4/2022 1:15:00 PM		SNOW	A	N/A	N/A
	47868	1/11/2022 8:00:20 AM		OVERCAST	A	N/A	N/A
	47926	1/18/2022 8:00:00 AM		OVERCAST	A	NOFLOW	A
	48016	1/25/2022 7:52:00 AM		SNOW	A	N/A	N/A
	48106	2/1/2022 1:10:17 PM		DRY	A	N/A	N/A
	48249	2/8/2022 8:00:07 AM		DRY	A	N/A	N/A
	48380	2/15/2022 8:15:03 AM		OVERCAST	A	NOFLOW	A
	48498	2/22/2022 8:15:09 AM		DRY	A	N/A	N/A
	48584	3/1/2022 8:30:00 AM		DRY	A	N/A	N/A
	48660	3/8/2022 9:42:43 AM		DRY	A	N/A	N/A
	48822	3/15/2022 8:30:20 AM		OVERCAST	A	NOFLOW	A
	48920	3/22/2022 7:45:40 AM		OVERCAST	A	N/A	N/A
	49038	3/29/2022 9:15:41 AM		DRY	A	N/A	N/A
	49135	4/5/2022 8:26:00 AM		DRY	A	N/A	N/A
	49266	4/12/2022 10:16:48 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2022

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #19 - 7TH @ CANNON N/O 7TH W/O INLAND EMPIRE WY @ TURN OUT. SQUARE VAULT.	49378	4/19/2022 8:29:37 AM		DRY	A	NOFLOW	A
	49494	4/26/2022 8:05:25 AM		WET	A	N/A	N/A
	49593	5/3/2022 8:49:00 AM		OVERCAST	A	N/A	N/A
	49716	5/10/2022 8:00:50 AM		DRY	A	N/A	N/A
	49860	5/17/2022 8:00:00 AM		DRY	A	NOFLOW	A
	49951	5/24/2022 8:14:51 AM		DRY	A	N/A	N/A
	50032	5/31/2022 10:45:39 AM		DRY	A	N/A	N/A
	50104	6/7/2022 9:05:00 AM		DRY	A	N/A	N/A
	50235	6/14/2022 9:07:30 AM		WET	A	N/A	N/A
	50346	6/21/2022 7:45:42 AM		DRY	A	NOTVISABLE	A
	50442	6/28/2022 7:56:56 AM		DRY	A	N/A	N/A
	50518	7/5/2022 9:10:00 AM		DRY	A	N/A	N/A
	50691	7/12/2022 8:51:05 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2022

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #19 - 7TH @ CANNON N/O 7TH W/O INLAND EMPIRE WY @ TURN OUT. SQUARE VAULT.	50713	7/19/2022 9:00:23 AM	Noticed a lid was missing from an outfall manhole downstream of the weir. We located the lid on Latah creek bank and reinstalled it. New work order to tar down the lid has been created and sent to service truck. Related work order to find and reinstall lid is W/O #50804.	DRY	A	NOFLOW	A
	50812	7/26/2022 8:05:20 AM		DRY	A	N/A	N/A
	50878	8/2/2022 8:39:00 AM		DRY	A	N/A	N/A
	51029	8/9/2022 7:45:40 AM		DRY	A	N/A	N/A
	51116	8/16/2022 8:32:25 AM		DRY	A	NOFLOW	A
	51228	8/23/2022 8:00:05 AM		DRY	A	N/A	N/A
	51316	8/30/2022 8:40:50 AM		DRY	A	N/A	N/A
	51416	9/6/2022 10:40:00 AM		DRY	A	N/A	N/A
	51571	9/13/2022 7:45:19 AM		DRY	A	N/A	N/A
	51662	9/20/2022 10:52:52 AM		DRY	A	NOFLOW	A
	51762	9/27/2022 8:20:25 AM		DRY	A	N/A	N/A
	51842	10/4/2022 8:32:00 AM		DRY	A	N/A	N/A
	51963	10/11/2022 8:25:06 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2022

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #19 - 7TH @ CANNON N/O 7TH W/O INLAND EMPIRE WY @ TURN OUT. SQUARE VAULT.	52094	10/18/2022 8:15:18 AM		DRY	A	NOFLOW	A
	52196	10/25/2022 8:15:22 AM		OVERCAST	A	N/A	N/A
	52299	11/1/2022 10:22:00 AM		WET	A	N/A	N/A
	52445	11/8/2022 10:03:48 AM		SNOW	A	N/A	N/A
	52537	11/15/2022 8:55:51 AM		OVERCAST	A	NOFLOW	A
	52632	11/22/2022 7:45:20 AM	Cleared off debris and rags from flow monitoring probe. Outfall sign has graffiti on it.	OVERCAST	A	N/A	N/A
	52724	11/29/2022 10:05:45 AM		DRY	A	N/A	N/A
	52770	12/6/2022 9:25:00 AM		OVERCAST	A	N/A	N/A
	52914	12/13/2022 8:25:58 AM		OVERCAST	A	N/A	N/A
	52977	12/20/2022 8:59:54 AM	No outfall check due to weather.	SNOW	A	N/A	N/A
	53062	12/27/2022 9:00:20 AM		WET	A	N/A	N/A

Weir Check Events Noncyclic Report

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 14	50098	NEW CSO 14 VAULT ON N SIDE OF INT	5/31/2022 9:15:46 AM	CSO Extreme Event Check	Check as a result of overflow during storm event.	A	N/A	N/A	NO FLOW	N/A	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 12	47920	PETTET DR - CSO 12 TANK	1/10/2022 2:45:50 PM	CSO Intermediate Event Check	Intermediate event checks complete. Tank needs to be flushed free of settled debris.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	48071	PETTET DR - CSO 12 TANK	1/21/2022 8:30:24 AM	CSO Intermediate Event Check	Intermediate event checks complete. Tank is reset for next event.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	48681	PETTET DR - CSO 12 TANK	3/1/2022 1:00:32 PM	CSO Intermediate Event Check	Check is the result of an alarm that flush tanks filling during a rain event. Flush tanks were empty. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	49554	PETTET DR - CSO 12 TANK	4/21/2022 11:00:57 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty all other intermediat checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	49841	PETTET DR - CSO 12 TANK	5/9/2022 10:15:19 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Hydroslide okay. Flush tanks, spillway and sump need flushing.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	50126	PETTET DR - CSO 12 TANK	6/1/2022 9:30:11 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty. All other intermediate checks were ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 12	50251	PETTET DR - CSO 12 TANK	6/8/2022 9:00:06 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Hydro slide was partly plugged used bypass and hydroed to clear obstruction. It is clean and working tank needs cleaned. All other intermediate checks ok.	POBS	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	50409	PETTET DR - CSO 12 TANK	6/17/2022 8:30:10 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Checks complete. Flush tanks, spillways and sump needs cleaned. Fill and flush at later date.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	50618	PETTET DR - CSO 12 TANK	7/6/2022 8:45:44 AM	CSO Intermediate Event Check	All checks complete. Needs a fill and flush for spillways and sump a bit gritty. FCC needs cleaning also.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	51896	PETTET DR - CSO 12 TANK	9/30/2022 8:45:54 AM	CSO Intermediate Event Check	Checks as a result of rain event. Checks complete. Flush tanks found full as a surge must have occurred at the control panel. Also the LEL monitor has failed and alarm going off.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	52278	PETTET DR - CSO 12 TANK	10/24/2022 9:00:36 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Tank #1 25% full only. Flushed tank and all other checks okay.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 12	52522	PETTET DR - CSO 12 TANK	11/7/2022 9:15:00 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Checks complete.	A	CLEAN	OK	NO FLOW	CLEAN	SNOW
	53112	PETTET DR - CSO 12 TANK	12/28/2022 10:45:46 AM	CSO Extreme Event Check	Flush tanks full, sump full, FCC full, overflow evident at the weir, outfall okay.	DEBR	FULL	OK	NO VISIBLE FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 16	50101	PEOPLES PARK RIVERSIDE/CLAR KE	5/31/2022 10:30:36 AM	CSO Intermediate Event Check	Checks as a result of storm event.	A	FULL	OK	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 24-1	47804		1/10/2022 8:45:00 AM	CSO Intermediate Event Check	Intermediate event checks complete. Tank needs to be flushed free of settled debris.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	48072	ADAMS BETWEEN 1ST & SPRAGUE	1/21/2022 2:45:54 PM	CSO Intermediate Event Check	Came back to check if automatic sequence had finished. No other tanks had flushed. Sprayed sump float with clean water and then another tank triggered. We had to spray the float in order for the automatic sequence to continue for the next subsequent tank. We will alert monitoring and pump station crew of the issue. All checks complete and tank ready for next event.	A	FULL	OK	NO FLOW	CLEAN	DRY
	48731	ADAMS BETWEEN 1ST & SPRAGUE	3/2/2022 2:45:56 PM	CSO Intermediate Event Check	Intermediate check as a result of wet weather event and tank taking on flow. All checks complete. Need to come back to flush tanks and spillways as flow is too high today. Overflow to the river was identified 3-1-2022 by Fred Howell.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	WET

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 24-1	49556	ADAMS BETWEEN 1ST & SPRAGUE	4/21/2022 2:15:00 PM	CSO Intermediate Event Check	Tanks found still full except for flush tank #2 had debris caught in door and was found empty. We flushed the tanks and flushed out root mass from behind spillway door #2. Spillways could use more cleaning by filling and flushing tanks once more.	A	FULL	OK	NO FLOW	CLEAN	OVERCAST
	49834	ADAMS BETWEEN 1ST & SPRAGUE	5/9/2022 8:45:12 AM	CSO Extreme Event Check	Checks as a result of overflow during wet weather event. Checks complete. Outfall good. Flush tanks empty but require cleaning. Spillways and sump require flushing. Some gates stuck open due to debris.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	50039	ADAMS BETWEEN 1ST & SPRAGUE	5/24/2022 9:30:40 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Tank was empty. Tank needs cleaned. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	50109	ADAMS BETWEEN 1ST & SPRAGUE	5/31/2022 2:00:16 PM	CSO Intermediate Event Check	Check as a result of storm event.	A	FULL	OK	NO FLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 24-1	50287	ADAMS BETWEEN 1ST & SPRAGUE	6/9/2022 9:30:44 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were full plc not working will contact Wade for repair. All oter intermediate event checks ok. Tank needs cleaned.	A	FULL	OK	NO FLOW	NEEDS CLEANING	DRY
	50386	ADAMS BETWEEN 1ST & SPRAGUE	6/16/2022 10:00:32 AM	CSO Extreme Event Check	check s the result of an alarm that tank overflowed during a rain event. Flush tanks were full emptyed them and cleaned tank. All other extreme event checks ok.	A	CLEAN	OK	NO VISIBLE FLOW	CLEAN	DRY
	50622	ADAMS BETWEEN 1ST & SPRAGUE	7/6/2022 10:30:33 AM	CSO Intermediate Event Check	All checks complete. #1 flush tank still intermittent with air bubble or something so it will auto shut down if reaching prescribed pressure within the time limit. All tanks reset and cleaned after event.	A	FULL	OK	NO FLOW	CLEAN	OVERCAST
	51899	ADAMS BETWEEN 1ST & SPRAGUE	9/30/2022 10:00:00 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Checks complete and okay. Flush tanks needed some cleaning.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	52523	ADAMS BETWEEN 1ST & SPRAGUE	11/7/2022 9:45:04 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Checks complete.	A	NEEDS CLEANING	OK	NO FLOW	NEEDS CLEANING	SNOW

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 24-1	53110	ADAMS BETWEEN 1ST & SPRAGUE	12/28/2022 9:45:40 AM	CSO Extreme Event Check	Flush tanks and sump still full. Conditions not right for pumps to pump tank down. Evidence of overflow at the weir. Outfall witnessed overflowing to the river 12/27/2022 at about 8:45 am. Pump side electrical room had P-trap primer supply line leak and possible instant heater unit fail. SR 105465.	A	FULL	OK	NO VISIBLE FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 24-2	49857		5/10/2022 8:45:00 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Hydroslide okay. Storage tanks need cleaning.	A	CLEAN	N/A	NO FLOW	NEEDS CLEANING	DRY
	50040		5/24/2022 10:00:02 AM	CSO Intermediate Event Check	Check was the result of an alarm that west tank filling during a rain event. Tank was empty. Needs cleaned. All other intermediate checks ok.	N/A	N/A	N/A	NO FLOW	N/A	DRY
	50288		6/9/2022 10:00:21 AM	CSO Intermediate Event Check	Check is the result of an alarm that tank filling during a rain event. Tank was empty. Needs cleaned.	A	N/A	N/A	NO FLOW	N/A	DRY

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 24-3 HATCH (CSO 20-1)	47935	43RD & GARFIELD	1/11/2022 1:45:50 PM	CSO Intermediate Event Check	Intermediate checks complete. Tanks had some surface waters in each flush tank.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	49872	43RD & GARFIELD	5/10/2022 9:30:38 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Hydroslide okay. Flush tanks and sump okay.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	50299	43RD & GARFIELD	6/9/2022 2:30:33 PM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tank #2 was full emptied it. All other intermediate checks ok. Tank needs cleaned.	A	FULL	OK	NO FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 26	47915	SFB & LINCOLN	1/10/2022 9:30:01 AM	CSO Intermediate Event Check	Intermediate event checks complete. Tank needs to be flushed free of settled debris.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	48075	SFB & LINCOLN	1/21/2022 10:45:32 AM	CSO Intermediate Event Check	Intermediate event checks complete. Tank is reset for next event. Sump found over normal level from minimal flow from the main and from drainage over odor control and the plaza drains. Pumped down sump to normal level. Flush tanks and spillways did not need cleaning.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	49511	SFB & LINCOLN	4/19/2022 3:30:35 PM	CSO Intermediate Event Check	Check is the result of an alarm that flush ways were filling. Flush ways had flow in them started to pump down will continue.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	49847	SFB & LINCOLN	5/9/2022 3:00:22 PM	CSO Intermediate Event Check	Check as a result of wet weather event. Tank found two fifths full. Started to pump down in morning and returned to finish pumping down and turn pumps off. Hydroslide okay. Flush tanks full and need to empty and fill to flush spillways and sump again.	A	FULL	OK	NO FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 26	50108	SFB & LINCOLN	5/31/2022 1:15:35 PM	CSO Intermediate Event Check	Check as a result of storm event. Sump had five feet of water. Pumped down but could not regain prime on pump #2.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	50282	SFB & LINCOLN	6/9/2022 8:50:50 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush way filling during a rain event. Pumped down tank all other intermediate checks ok. Tank needs cleaned.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	50375	SFB & LINCOLN	6/15/2022 9:00:28 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Pumped down tank and flushed it. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	53127	SFB & LINCOLN	12/29/2022 9:00:58 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Flushways and sump need cleaning.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-1	47929	3RD & DENVER	1/11/2022 10:15:21 AM	CSO Intermediate Event Check	Intermediate checks complete. Flush tanks 1 & 2 needed flushed and sump requires cleaning.	A	FULL	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	48078	3RD & DENVER	1/21/2022 12:45:18 PM	CSO Intermediate Event Check	Intermediate event checks complete. Tank is reset for next event. Sump needs cleaned via entry.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	48566	3RD & DENVER	2/18/2022 8:00:54 AM	CSO Intermediate Event Check	Check was the result of a message that sump 1 was filling. No signs of flow to tank were found. Maybe a glitch in monitoring. Monitor crew notified.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	48708	3RD & DENVER	3/2/2022 9:00:30 AM	CSO Intermediate Event Check	Intermediate check as a result of wet weather event and tank taking on flow. All checks complete and okay.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	49564	3RD & DENVER	4/22/2022 9:00:00 AM	CSO Intermediate Event Check	Tanks #1 and #2 needed flushed. Fill and flush an additional time on tank #2. New graffiti found on RP box and 2 power boxes.	A	FULL	OK	NO FLOW	CLEAN	DRY
	49878	3RD & DENVER	5/10/2022 1:45:56 PM	CSO Intermediate Event Check	Check as a result of wet weather event. Hydroslide okay. Flush tanks, spillways and sump needs cleaning.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-1	50047	3RD & DENVER	5/24/2022 1:00:18 PM	CSO Intermediate Event Check	Check was the result of an alarm that flush tank filling during a rain event. Tank was empty. Needs cleaning. All other intermediat checks ok.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	50110	3RD & DENVER	5/31/2022 2:45:22 PM	CSO Intermediate Event Check	Check as a result of storm event. Sump needs cleaned. Extra fill and flush needed on cell #1.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	50314	3RD & DENVER	6/10/2022 11:30:51 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty. All other intermediate checks ok. Tank needs cleaning.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	50408	3RD & DENVER	6/17/2022 9:15:17 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Checks complete. Flush tanks, spillways and sump needs cleaned. Fill and flush at later date.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	50619	3RD & DENVER	7/6/2022 9:30:00 AM	CSO Intermediate Event Check	All checks complete. Sump is dirty again and needs cleaning.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-1	51902	3RD & DENVER	9/30/2022 11:30:44 AM	CSO Intermediate Event Check	Checks as a result of wet weather event. All checks complete and okay. Flushed tanks #1 and #2 to help clean sump. Monitoring "green" light not operating after being replaced months ago and Mr. Clark has been notified.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	52280	3RD & DENVER	10/24/2022 10:00:30 AM	CSO Intermediate Event Check	Check as a result of wet weather event. All checks complete; okay.	A	CLEAN	OK	NO FLOW	CLEAN	WET
	52524	3RD & DENVER	11/7/2022 11:15:18 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Checks complete.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	SNOW
	53115	3RD & DENVER	12/28/2022 1:30:52 PM	CSO Extreme Event Check	Flush tanks full, sumps full, evidence of tank overflowing, diversion vault okay, outfall okay.	A	FULL	OK	NO VISIBLE FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-2	48702	CSO TANK S OF SPRAGUE, E OF SCOTT	3/2/2022 8:15:21 AM	CSO Intermediate Event Check	Intermediate check as a result of wet weather event and tank taking on flow. All checks complete and okay.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	53120	CSO TANK S OF SPRAGUE, E OF SCOTT	12/29/2022 8:00:16 AM	CSO Extreme Event Check	Flush tanks empty, sump empty, FCC and hydroslide okay, evidence of overflow at the weir, outfall okay.	A	NEEDS CLEANING	OK	NO VISIBLE FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 34-1 CRESTLINE	47916	RIVERSIDE BTWN LEE-CRESTLINE	1/10/2022 12:30:44 PM	CSO Intermediate Event Check	Intermediate event checks complete. Tank needs to be flushed free of settled debris. Both pumps seem to be running; one constantly and one alternating at the same time. This is unusual and will be check on again after auto sequence is complete.	A	FULL	OK	NO FLOW	CLEAN	DRY
	49886	RIVERSIDE BTWN LEE-CRESTLINE	5/11/2022 8:45:58 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Hyroslide okay. Flush tanks and spillways require cleaning.	A	FULL	OK	NO FLOW	NEEDS CLEANING	DRY
	50059	RIVERSIDE BTWN LEE-CRESTLINE	5/25/2022 10:30:23 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Tank was empty. Needs cleaned. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	50273	RIVERSIDE BTWN LEE-CRESTLINE	6/8/2022 11:30:33 AM	CSO Extreme Event Check	Check is the result of an alarm that tank over flowed during a rain event. Tank was empty. All other extreme checks ok. Tank needs cleaned.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 34-1 CRESTLINE	50413	RIVERSIDE BTWN LEE-CRESTLINE	6/17/2022 10:45:00 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Checks complete. Flush tanks, spillways and sump needs cleaned. Fill and flush at later date.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	53116	RIVERSIDE BTWN LEE-CRESTLINE	12/28/2022 3:00:00 PM	CSO Extreme Event Check	Flush tanks found empty, sump empty, evidence of overflow, outfall okay.	A	NEEDS CLEANING	OK	NO VISIBLE FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 34-2	47933	CSO TANK UNDERHILL PARK	1/11/2022 1:00:42 PM	CSO Intermediate Event Check	Intermediate event checks complete. Only tank #1 had one foot of clean water; may have had a false reading that tank was taking flow.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	47959	CSO TANK UNDERHILL PARK	1/13/2022 8:00:07 AM	CSO Intermediate Event Check	Intermediate checks complete. No signs of an overflow into storage tanks. We will let monitoring know so they can investigate the issue.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	48079	E/O RAY NEAR CONGRESS	1/24/2022 12:00:00 PM	CSO Intermediate Event Check	Intermediate event checks partially complete. Sump still partway full and need more time to drain before triggering remaining flush tanks.	A	FULL	OK	N/A	NEEDS CLEANING	DRY
	48099		1/24/2022 3:00:25 PM	CSO Intermediate Event Check	Check was the result of an alarm that flush tanks filling durin a rain event. On Friday tank had not emptied. Today flush tanks were empty all other entermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 34-2	48714	CSO TANK UNDERHILL PARK	3/2/2022 9:45:05 AM	CSO Intermediate Event Check	Intermediate check as a result of wet weather event and tank taking on flow. All checks complete. Flush tanks retain water as Hydroslide and flow has not yet receded after event. We will need to come back after storming weather stops for day.	DEBR	FULL	OK	N/A	NEEDS CLEANING	OVERCAST
	49881	CSO TANK UNDERHILL PARK	5/10/2022 3:00:15 PM	CSO Intermediate Event Check	Check as a result of wet weather event. Hydroslide okay' FCC needs cleaning. Flush tanks, spillways, and sump needs cleaning.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	50048	CSO TANK UNDERHILL PARK	5/24/2022 1:30:52 PM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Tank was empty. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	50113	CSO TANK UNDERHILL PARK	5/31/2022 3:15:00 PM	CSO Intermediate Event Check	Check as a result of storm event. Sump and FCC and CTI needs cleaned.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	50317	CSO TANK UNDERHILL PARK	6/10/2022 1:30:40 PM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filing during a rain event. Flush tanks were empty. All other intermediate checks ok. Tank needs cleaning.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 34-2	50427	CSO TANK UNDERHILL PARK	6/20/2022 12:45:56 PM	CSO Intermediate Event Check	Check as a result of wet weather event. Could not complete checks last week as CTI and hydroslide were still backed up with flow. Checks complete. FCC and CTI and all flush tanks and spillways require fill and flush/cleaning.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 34-3	47934	E/O RAY NEAR CONGRESS	1/11/2022 1:15:44 PM	CSO Intermediate Event Check	Intermediate checks complete. Only cell #1 took flow.	A	FULL	OK	NO FLOW	CLEAN	OVERCAST
	48716	E/O RAY NEAR CONGRESS	3/2/2022 10:15:24 AM	CSO Intermediate Event Check	Intermediate check as a result of wet weather event and tank taking on flow. All checks complete and okay.	A	CLEAN	OK	N/A	CLEAN	WET
	49884	E/O RAY NEAR CONGRESS	5/11/2022 8:15:29 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Hydroslide okay. Flush tanks, spillway and sump okay.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	50041	E/O RAY NEAR CONGRESS	5/24/2022 11:00:43 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Tank was empty. All other intermediate checks are ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	50318	E/O RAY NEAR CONGRESS	6/10/2022 2:30:50 PM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty. All othe intermediate checks ok. Tank needs cleaning.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	50411	E/O RAY NEAR CONGRESS	6/17/2022 10:15:33 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Checks complete. Spillways and sump needs cleaned. Fill and flush at later date.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 38-1	49873	CSO TANK W OF MAGNOLIA	5/10/2022 10:50:37 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Hydroslide okay. Flush tanks and sump needs cleaning.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	53129	CSO TANK W OF MAGNOLIA	12/29/2022 9:30:15 AM	CSO Intermediate Event Check	Check as a result of wet weather event. flush tank empty, sump empty, FCC okay.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 38-2	49879	CSO TANK E OF ALTAMONT	5/10/2022 2:15:52 PM	CSO Intermediate Event Check	Check as a result of wet weather event. Hydroslide okay. FCC needs cleaning.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 41	49844		5/9/2022 12:45:18 PM	CSO Intermediate Event Check	Check as a result of wet weather event. Hydroslide obstructed by small branches and rags caught in those sticks. Raised and reset hydroslide. FCC, storage pipe, and overflow FCC should be cleaned.	OBS	CLEAN	N/A	NO FLOW	N/A	OVERCAST
	50445	UPRIVER & REBECCA	6/21/2022 9:15:02 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Hydroslide stuck in up position again. Entry required to determine problem with hydroslide. Storage and overflow hydroslide FCC needs to be cleaned. Checks complete.	A	CLEAN	N/A	NO FLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 42	49846	SURRO DR @ S. RIVERTON	5/9/2022 1:15:10 PM	CSO Intermediate Event Check	Check as a result of wet weather event. Hydroslide okay. Flush tank showed filling but found empty during checks. Flush tank and spillway should be cleaned.	A	FULL	OK	NO FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 6	47917	UNDERGROUND TANK NW & KIERNAN	1/10/2022 1:45:16 PM	CSO Extreme Event Check	Extreme event checks complete. Tank needs to be flushed free of settled debris.	A	CLEAN	OK	NO VISIBLE FLOW	NEEDS CLEANING	OVERCAST
	47960	UNDERGROUND TANK NW & KIERNAN	1/13/2022 9:30:41 AM	CSO Intermediate Event Check	Intermediate checks complete. Main overflowed to tank #1 only. We spent time to clean up after last two events. Flush tanks and sump are now clean again.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	48066	UNDERGROUND TANK NW & KIERNAN	1/21/2022 8:00:50 AM	CSO Intermediate Event Check	Intermediate event checks complete. Tank is reset for next event.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	48666	UNDERGROUND TANK NW & KIERNAN	3/1/2022 11:00:01 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tanks filling during a rain event. Flush tanks were empty. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	49552	UNDERGROUND TANK NW & KIERNAN	4/21/2022 10:30:33 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tank #1 was full flushed and cleaned it. All oother intermediat checks ok	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	49840	UNDERGROUND TANK NW & KIERNAN	5/9/2022 10:00:54 AM	CSO Intermediate Event Check	Checks as a result of wet weather event. FCC and spillways need cleaning. Hydroslide okay.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 6	50018	UNDERGROUND TANK NW & KIERNAN	5/23/2022 9:30:05 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. No signs of flow to tank were found will check with monitoring. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	50125	UNDERGROUND TANK NW & KIERNAN	6/1/2022 8:30:09 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty. All other intermediate checks were ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	50228	UNDERGROUND TANK NW & KIERNAN	6/7/2022 11:00:24 AM	CSO Extreme Event Check	Check was the result of an alarm that tank over flowed during a rain event. All extrime event checks ok. tank needs cleaned.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	50397	UNDERGROUND TANK NW & KIERNAN	6/16/2022 3:00:53 PM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	50447	UNDERGROUND TANK NW & KIERNAN	6/21/2022 11:00:13 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Cleaned flush tanks and did a flush of spillways. Checks complete.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	50616	UNDERGROUND TANK NW & KIERNAN	7/6/2022 8:00:05 AM	CSO Intermediate Event Check	All checks complete.	A	CLEAN	OK	NO FLOW	CLEAN	WET

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 6	51895	UNDERGROUND TANK NW & KIERNAN	9/30/2022 8:00:47 AM	CSO Intermediate Event Check	Check as a result of rain event. All checks complete and okay.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	53109	UNDERGROUND TANK NW & KIERNAN	12/28/2022 11:15:00 AM	CSO Extreme Event Check	Outfall okay.	DEBR	FULL	OK	NO VISIBLE FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 7	49835		5/9/2022 9:45:02 AM	CSO Extreme Event Check	Check as a result of wet weather overflow. Hydroslide and FCC good. Outfall pipe and sign visible and okay.	A	N/A	OK	NO FLOW	N/A	OVERCAST
	50097		5/31/2022 8:30:15 AM	CSO Extreme Event Check	Check as a result of overflow condition during storm.	A	N/A	N/A	NO FLOW	N/A	OVERCAST
	50254		6/8/2022 10:00:32 AM	CSO Extreme Event Check	Check was the result of an alarm that tank over flowed during a rain event. Tank was empty. All other extreme event checks were ok.	A	N/A	N/A	NO FLOW	N/A	DRY

Weir Check and Tank Maintenance Noncyclic Report

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
	52321	MULTIPLE LOCATIONS	10/26/2022 2:30:23 PM	CSO Tank Maintenance	Limbed shrubs at CSO 19 outfall and I-03. Checked on drainage at CSO 34-2; okay. Pinged for buried lids at CSO 34-1 and I-07.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
1ST MH W/O CSO 20 TANK	49087	1ST MH W/O CSO 20 TANK	3/24/2022 10:00:00 AM	CSO Tank Maintenance	BACKFLOW ASSEMBLY TESTING @ CSO 20, WILKENS 375, 2" RP #B033742

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 10	49168	TANK IN FIELD W/OF NETTLETON	3/31/2022 9:30:19 AM	CSO Tank Maintenance	Checked on hydroslide after early warning from 03/30/2022. Cleared some debris at hydroslide with extension poles and opened bypass valve to help drain back down to normal. Reset hydroslide and bypass valve.
	49965	MULTIPLE LOCATIONS	5/17/2022 3:15:16 PM	CSO Tank Maintenance	Checking on tanks after wet weather event and early warnings. CSO 23-1, 10 and 25 FCC needs cleaning. I-04 needs a fill and flush.
	51950	TANK IN FIELD W/OF NETTLETON	10/4/2022 11:30:29 AM	CSO Tank Maintenance	Structrual inspection. L.S.B. inspecting
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.
	52186	TANK IN FIELD W/OF NETTLETON	10/17/2022 3:00:41 PM	CSO Tank Maintenance	Check is the result of an early warning alarm. There was a partial obstruction at the hydro slide. Released hydro slide and cleared obstruction. flow is good. reset hydro slide.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 12	47793	MULTIPLE LOCATIONS	1/3/2022 3:15:14 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48057	MULTIPLE LOCATIONS	1/20/2022 2:15:44 PM	CSO Tank Maintenance	Checking on tanks while filling during wet weather event. Some verified, some no flow, 24-1 did not send data so monitoring will be notified.
	48128	PETTET DR - CSO 12 TANK	1/25/2022 2:30:59 PM	CSO Tank Maintenance	Assist Rich building maint. on fan & heater inspection.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48662	MULTIPLE LOCATIONS	3/1/2022 3:00:28 PM	CSO Tank Maintenance	Monthly fire extinguisher checks & odor control. Cso 24-1 & new eye wash. cso 6, cso 12 & eye wash, I-03 & eye wash, cso 16 & eye wash, 43rd & Garfield.
	48754	MULTIPLE LOCATIONS	3/3/2022 11:00:33 AM	CSO Tank Maintenance	Checking on tanks after flushway filling message received 03/02/2022 after hours. CSO 6 okay. CSO 12 tank #1 needed flushed and cleaned.
		MULTIPLE LOCATIONS	3/3/2022 11:00:33 AM	CSO Tank Maintenance	Meet Mike Schug and company for SCADA access at CSO 26; check CSO 34-2 over odor control units for new leaks during storm; check drainage tarps at CSO 16 and made adjustments.
	48881	PETTET DR - CSO 12 TANK	3/11/2022 8:15:07 AM	CSO Tank Maintenance	Flush tank #1 after Intermediate Event checks. Also spray painted over some graffiti on the main entrance gate.
	49256	PETTET DR - CSO 12 TANK	4/5/2022 3:00:20 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also checking media levels in each unit.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 12	49450	PETTET DR - CSO 12 TANK	4/15/2022 12:45:10 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING, @ CSO 12 1 OF 2 - 2008 N. PETTET DR. WILKENS 2" RP 975XL #4261564
	49451	PETTET DR - CSO 12 TANK	4/15/2022 1:15:00 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING, @ CSO 12 2 OF 2 - 2008 N. PETTET DR. WILKENS 2" RP 975XL #4057568
	49719	MULTIPLE LOCATIONS	5/3/2022 11:00:58 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	49910	MULTIPLE LOCATIONS	5/12/2022 3:15:52 PM	CSO Tank Maintenance	Fill and flush dirty tanks and spillways post wet weather event.
	49920	MULTIPLE LOCATIONS	5/13/2022 3:15:21 PM	CSO Tank Maintenance	Fill and flush and final cleaning of multiple tanks. Entry at 34-1 to get tool out of cell #8.
	50242	PETTET DR - CSO 12 TANK	6/7/2022 3:30:42 PM	CSO Tank Maintenance	Checked hydro slide for partial plug. Opened bypass valve to help drain tank and tried to hydro the hydro slide helped some. Left bypass open to help drain tank over night will finish tomorrow.
	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	51157	MULTIPLE LOCATIONS	8/10/2022 11:30:38 AM	CSO Tank Maintenance	CSO 16 has a minor leak at new 2" drop pipe joint. CSO 12 entrance "green" light for air quality monitoring does not work. All other checks complete.
	51638	MULTIPLE LOCATIONS	9/9/2022 11:30:42 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks. I-03 unit #1 does not operate; exhaust fan does not shut down when hatch is closed; RP enclosure struck by lawnmower needs to be fixed. CSO 12 H2S monitoring failed.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 12	52101	PETTET DR - CSO 12 TANK	10/12/2022 11:00:14 AM	CSO Tank Maintenance	Structural inspection complete. Jed Druffel from LSB did five entries to complete inspection.
	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52497	MULTIPLE LOCATIONS	11/3/2022 3:06:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Cso 6, 12, I-03, 16, 24-1, 26, I-04, 24-3, 34-3
	52606	MULTIPLE LOCATIONS	11/14/2022 11:45:00 AM	CSO Tank Maintenance	All heat tape checks complete. Replaced one heat tape for CSO 38-1. Shop for replacement heat tape and electrical tape.
	52799	MULTIPLE LOCATIONS	12/1/2022 3:00:38 PM	CSO Tank Maintenance	CSO 12 has a fault on air monitoring system again. CSO 24-3 has an air monitoring failure again. Will notify Chris Clarke when all checks are complete.
	52873	MULTIPLE LOCATIONS	12/5/2022 2:30:24 PM	CSO Tank Maintenance	Maintenance plow of driving surfaces for access.
	53030	MULTIPLE LOCATIONS	12/15/2022 2:45:31 PM	CSO Tank Maintenance	Finish construction photo investigation for CSO 26 drainage. Checked on CSO 12 for ice berm at apron; needs to be removed. Checked on CSO 26 catch basin on South curb line; it does feed into the tank. Check on ice build-up around CSO 23-3, I-04; okay.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 16	47798	PEOPLES PARK RIVERSIDE/CL ARKE	1/3/2022 1:30:53 PM	CSO Tank Maintenance	Annual inspection and maintenance of heater and fan units with facility maintenance.
	47793	MULTIPLE LOCATIONS	1/3/2022 3:15:14 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48126	PEOPLES PARK RIVERSIDE/CL ARKE	1/25/2022 10:30:56 AM	CSO Tank Maintenance	Assist Rick building maint. on fan & heater inspection. Bad heater in mech. room repaired
	48171	MULTIPLE LOCATIONS	1/27/2022 2:30:08 PM	CSO Tank Maintenance	Painting new cage for CSO 34-3, touch up paint on cage at CSO 41, and install drainage drip shield at CSO 16.
	48194	PEOPLES PARK RIVERSIDE/CL ARKE	1/31/2022 10:45:00 AM	CSO Tank Maintenance	Measured, purchased, and installed new heater unit cover.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48662	MULTIPLE LOCATIONS	3/1/2022 3:00:28 PM	CSO Tank Maintenance	Monthly fire extinguisher checks & odor control. Cso 24-1 & new eye wash. cso 6, cso 12 & eye wash, I-03 & eye wash, cso 16 & eye wash, 43rd & Garfield.
	48754	MULTIPLE LOCATIONS	3/3/2022 11:00:33 AM	CSO Tank Maintenance	Checking on tanks after flushway filling message received 03/02/2022 after hours. CSO 6 okay. CSO 12 tank #1 needed flushed and cleaned.
		MULTIPLE LOCATIONS	3/3/2022 11:00:33 AM	CSO Tank Maintenance	Meet Mike Schug and company for SCADA access at CSO 26; check CSO 34-2 over odor control units for new leaks during storm; check drainage tarps at CSO 16 and made adjustments.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 16	48809	PEOPLES PARK RIVERSIDE/CL ARKE	3/7/2022 3:00:27 PM	CSO Tank Maintenance	Flush tanks 1 & 2 after Intermediate Event.
	49051	MULTIPLE LOCATIONS	3/22/2022 1:45:44 PM	CSO Tank Maintenance	CSO 41 for show and tell; CSO 16 to measure for new drain pans installation for weld shop; CSO 34-2 for show and tell and to run odor control for 24 hours.
	49202	MULTIPLE LOCATIONS	4/4/2022 3:00:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks: also checking media levels in each units' cells.
	49803	MULTIPLE LOCATIONS	5/5/2022 9:30:53 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit check. 33-2, 16 all ok
	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	51157	MULTIPLE LOCATIONS	8/10/2022 11:30:38 AM	CSO Tank Maintenance	CSO 16 has a minor leak at new 2" drop pipe joint. CSO 12 entrance "green" light for air quality monitoring does not work. All other checks complete.
	51638	MULTIPLE LOCATIONS	9/9/2022 11:30:42 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks. I-03 unit #1 does not operate; exhaust fan does not shut down when hatch is closed; RP enclosure struck by lawnmower needs to be fixed. CSO 12 H2S monitoring failed.
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.
	52124	PEOPLES PARK RIVERSIDE/CL ARKE	10/12/2022 3:00:00 PM	CSO Tank Maintenance	Structural inspection complete. Jed Druffel from LSM engineering entered 4 times to complete the inspection.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 16	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52270	PEOPLES PARK RIVERSIDE/CLARKE	10/21/2022 2:00:25 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 2414 W. CLARKE WILKENS RP 975XL # 2"
	52497	MULTIPLE LOCATIONS	11/3/2022 3:06:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Cso 6, 12, I-03, 16, 24-1, 26, I-04, 24-3, 34-3
	52606	MULTIPLE LOCATIONS	11/14/2022 11:45:00 AM	CSO Tank Maintenance	All heat tape checks complete. Replaced one heat tape for CSO 38-1. Shop for replacement heat tape and electrical tape.
	52799	MULTIPLE LOCATIONS	12/1/2022 3:00:38 PM	CSO Tank Maintenance	CSO 12 has a fault on air monitoring system again. CSO 24-3 has an air monitoring failure again. Will notify Chris Clarke when all checks are complete.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 23-1	49965	MULTIPLE LOCATIONS	5/17/2022 3:15:16 PM	CSO Tank Maintenance	Checking on tanks after wet weather event and early warnings. CSO 23-1, 10 and 25 FCC needs cleaning. I-04 needs a fill and flush.
	51420	MULTIPLE LOCATIONS	8/30/2022 10:00:43 AM	CSO Tank Maintenance	Check on security box for monitoring at CSO 23-1. Check out proposed bicycle racks at CSO 24-1.
	51550	MULTIPLE LOCATIONS	9/6/2022 3:15:44 PM	CSO Tank Maintenance	Checked entry switches at CSO 26; work as advertised - need to have hatch closed to operate. CSO 23-1 got information to order or locate new lockable latch and handle. I-04 we were able to retrieve jammed grid sections out of odor control unit. We need new grid mesh cover before reinstalling and we need to retrofit supports into the unit.
	52302	MULTIPLE LOCATIONS	10/25/2022 11:30:17 AM	CSO Tank Maintenance	Research info for Nate on lock-down clean out lid for drainage basins at CSO 26, borescope for other drainage blockages. Placed grid support frame into odor control unit #1 at I-04.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 23-2	49965	MULTIPLE LOCATIONS	5/17/2022 3:15:16 PM	CSO Tank Maintenance	Checking on tanks after wet weather event and early warnings. CSO 23-1, 10 and 25 FCC needs cleaning. I-04 needs a fill and flush.
	53030	MULTIPLE LOCATIONS	12/15/2022 2:45:31 PM	CSO Tank Maintenance	Finish construction photo investigation for CSO 26 drainage. Checked on CSO 12 for ice berm at apron; needs to be removed. Checked on CSO 26 catch basin on South curb line; it does feed into the tank. Check on ice build-up around CSO 23-3, I-04; okay.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-1	47866	MULTIPLE LOCATIONS	1/5/2022 10:00:14 AM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	48057	MULTIPLE LOCATIONS	1/20/2022 2:15:44 PM	CSO Tank Maintenance	Checking on tanks while filling during wet weather event. Some verified, some no flow, 24-1 did not send data so monitoring will be notified.
	48154	MULTIPLE LOCATIONS	1/26/2022 3:00:52 PM	CSO Tank Maintenance	Tank maintenance at CSO 24-1, 26, and 34-3.
	48184	ADAMS BETWEEN 1ST & SPRAGUE	1/28/2022 3:00:52 PM	CSO Tank Maintenance	Annual facility HVAC maintenance complete. Both EF-1 and EF-2 fans coated in thin grease film and dust/debris. Odor control motors need a zerk fitting installed for greasing pillow blocks.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48662	MULTIPLE LOCATIONS	3/1/2022 3:00:28 PM	CSO Tank Maintenance	Monthly fire extinguisher checks & odor control. Cso 24-1 & new eye wash. cso 6, cso 12 & eye wash, I-03 & eye wash, cso 16 & eye wash, 43rd & Garfield.
	48803	ADAMS BETWEEN 1ST & SPRAGUE	3/7/2022 2:15:10 PM	CSO Tank Maintenance	Flushing tanks to clear spillways and sump after Intermediate Event.
	49013	MULTIPLE LOCATIONS	3/21/2022 2:30:33 PM	CSO Tank Maintenance	CSO 26; check on damages to concrete work and check on sump level and show and tell about site. CSO 24-1; check on tank and show and tell. CSO 34-3; measure for replacement media in odor control unit #1 cell 3 {51cuft.}. CSO 6 to check out ECS units media type and check on graffiti at air inlets and exhaust - more needs to be covered up.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-1	49296	MULTIPLE LOCATIONS	4/7/2022 11:15:38 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks: CSO 24-1, CSO 26, and I-04. Plus we are checking media levels in each unit.
	49472	ADAMS BETWEEN 1ST & SPRAGUE	4/18/2022 10:00:34 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ CSO 24, 1ST & ADAMS 1 OF 2, WILKEN 4" RPDA 375DA, # Y13641
	49473	ADAMS BETWEEN 1ST & SPRAGUE	4/18/2022 10:30:28 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY @ CSO 24 10 S. ADAMS, 2 OF 2, WILKENS 3/4" RP 975 #4590010
	49764	MULTIPLE LOCATIONS	5/4/2022 3:00:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units. 24-1, I-04, 24-3, 34-3, 33-1, 34-2, 34-1, I-07, 38-2, 38-1 all ok
	49888	MULTIPLE LOCATIONS	5/11/2022 3:15:41 PM	CSO Tank Maintenance	Fill and flush at 34-1, 24-1, and I-07. Multiple issues with CSO 24-1 flush doors not resetting normally. Also Flush Control Panel was glitchy and would not activate pump multiple times while doors were stuck open (resting on "j" hooks). Reset power to panel and got pump to engage and open doors in manual. Used extension poles to open doors resting on door latches to get them to reset to normal.
	49910	MULTIPLE LOCATIONS	5/12/2022 3:15:52 PM	CSO Tank Maintenance	Fill and flush dirty tanks and spillways post wet weather event.
	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-1	51157	MULTIPLE LOCATIONS	8/10/2022 11:30:38 AM	CSO Tank Maintenance	CSO 16 has a minor leak at new 2" drop pipe joint. CSO 12 entrance "green" light for air quality monitoring does not work. All other checks complete.
	51327	ADAMS BETWEEN 1ST & SPRAGUE	8/23/2022 11:30:00 AM	CSO Tank Maintenance	Partial fill and flush to get any leftover debris in tank moistened. Will do a full fill and flush tomorrow. Also went to Water Dept. to get replacement valve cover for CSO 34-1.
	51338	MULTIPLE LOCATIONS	8/24/2022 10:45:00 AM	CSO Tank Maintenance	Brought one Davet entry setup to CSO 6 from CSO 24-1 as it needed one.
		MULTIPLE LOCATIONS	8/24/2022 10:45:00 AM	CSO Tank Maintenance	Checked on eye wash dates for CSO 26. September 2023; don't need to order yet.
		MULTIPLE LOCATIONS	8/24/2022 10:45:00 AM	CSO Tank Maintenance	Filled and flushed all tanks. Had to reset Flushing control panel twice as #1 flush gate pressure dropped within allotted time. All gates reset for next storm. No pump issues.
	51420	MULTIPLE LOCATIONS	8/30/2022 10:00:43 AM	CSO Tank Maintenance	Check on security box for monitoring at CSO 23-1. Check out proposed bicycle racks at CSO 24-1.
	51638	MULTIPLE LOCATIONS	9/9/2022 11:30:42 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks. I-03 unit #1 does not operate; exhaust fan does not shut down when hatch is closed; RP enclosure struck by lawnmower needs to be fixed. CSO 12 H2S monitoring failed.
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-1	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52497	MULTIPLE LOCATIONS	11/3/2022 3:06:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Cso 6, 12, I-03, 16, 24-1, 26, I-04, 24-3, 34-3
	52616	MULTIPLE LOCATIONS	11/14/2022 2:30:14 PM	CSO Tank Maintenance	Check heater units in RP enclosures. Checks complete. I-04 heater is not operating but has indication of good power through plug-in cable. I-03 has minor leak.
	52799	MULTIPLE LOCATIONS	12/1/2022 3:00:38 PM	CSO Tank Maintenance	CSO 12 has a fault on air monitoring system again. CSO 24-3 has an air monitoring failure again. Will notify Chris Clarke when all checks are complete.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-2	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-3 HATCH (CSO 20-1)	47825	MULTIPLE LOCATIONS	1/4/2022 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48372	43RD & GARFIELD	2/7/2022 3:15:04 PM	CSO Tank Maintenance	Annual facility maintenance checks complete. Odor control motor may have to be replaced again. All power up to motor checks good. Cleaned out SF-1 free of greasy dusk collected in motor housing and fan shroud. We need to investigate inside air inlet enclosure and possibly inlet pipe for SF-1. EF-1 fan shroud was hitting fan unit so adjustments were made.
	48662	MULTIPLE LOCATIONS	3/1/2022 3:00:28 PM	CSO Tank Maintenance	Monthly fire extinguisher checks & odor control. Cso 24-1 & new eye wash. cso 6, cso 12 & eye wash, I-03 & eye wash, cso 16 & eye wash, 43rd & Garfield.
	49202	MULTIPLE LOCATIONS	4/4/2022 3:00:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks: also checking media levels in each units' cells.
	49764	MULTIPLE LOCATIONS	5/4/2022 3:00:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units. 24-1, I-04, 24-3, 34-3, 33-1, 34-2, 34-1, I-07, 38-2, 38-1 all ok
	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	50986	43RD & GARFIELD	8/2/2022 12:15:49 PM	CSO Tank Maintenance	Entries for the 2-year Bridge Inspection. Inspection complete.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-3 HATCH (CSO 20-1)	51157	MULTIPLE LOCATIONS	8/10/2022 11:30:38 AM	CSO Tank Maintenance	CSO 16 has a minor leak at new 2" drop pipe joint. CSO 12 entrance "green" light for air quality monitoring does not work. All other checks complete.
	51643	MULTIPLE LOCATIONS	9/12/2022 10:30:00 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units checks complete. #1 unit at CSO 34-3 still down and awaiting new media install to check the repair completed earlier this year. Still waiting to hear from facility maintenance about replacement unit at CSO 24-3.
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.
	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52497	MULTIPLE LOCATIONS	11/3/2022 3:06:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Cso 6, 12, I-03, 16, 24-1, 26, I-04, 24-3, 34-3
	52606	MULTIPLE LOCATIONS	11/14/2022 11:45:00 AM	CSO Tank Maintenance	All heat tape checks complete. Replaced one heat tape for CSO 38-1. Shop for replacement heat tape and electrical tape.
	52799	MULTIPLE LOCATIONS	12/1/2022 3:00:38 PM	CSO Tank Maintenance	CSO 12 has a fault on air monitoring system again. CSO 24-3 has an air monitoring failure again. Will notify Chris Clarke when all checks are complete.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 25	48049	MAIN E/OF CEDAR	1/19/2022 1:20:25 PM	CSO Tank Maintenance	Modified valve key for bypass valve and installed it in hatch
	49965	MULTIPLE LOCATIONS	5/17/2022 3:15:16 PM	CSO Tank Maintenance	Checking on tanks after wet weather event and early warnings. CSO 23-1, 10 and 25 FCC needs cleaning. I-04 needs a fill and flush.
	51905	MULTIPLE LOCATIONS	9/30/2022 2:45:36 PM	CSO Tank Maintenance	Checked on multiple tanks after storm and those with early warning alerts. Also went to CSO 42 to check on code enforcement progress.
	52283	MULTIPLE LOCATIONS	10/24/2022 11:30:49 AM	CSO Tank Maintenance	Swapped fire extinguisher holding clips from I-04 to I-07. Checked on early warning tanks from prior storm.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	47793	MULTIPLE LOCATIONS	1/3/2022 3:15:14 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47899	SFB & LINCOLN	1/7/2022 9:30:00 AM	CSO Tank Maintenance	Checked drain system over odor control. Had to work on drain hose may need to replace it. Drains are working.
	47937	SFB & LINCOLN	1/11/2022 11:00:14 AM	CSO Tank Maintenance	Replaced drain hose on East tarp over odor control as old one was kinked and not draining well.
	47954	SFB & LINCOLN	1/12/2022 3:15:45 PM	CSO Tank Maintenance	Measurements at CSO 26 prep for SOP. Measurements at CSO 16 for drainage drip edge. Check status of tanks at I-04 and I-07 after wet weather event. Spray paint bypass valve post and "T" handles for call-outs.
	48057	MULTIPLE LOCATIONS	1/20/2022 2:15:44 PM	CSO Tank Maintenance	Checking on tanks while filling during wet weather event. Some verified, some no flow, 24-1 did not send data so monitoring will be notified.
	48154	MULTIPLE LOCATIONS	1/26/2022 3:00:52 PM	CSO Tank Maintenance	Tank maintenance at CSO 24 -1, 26, and 34-3.
	48200	SFB & LINCOLN	1/31/2022 2:45:22 PM	CSO Tank Maintenance	Labeled water valves on all levels.
	48266	MULTIPLE LOCATIONS	2/2/2022 11:30:45 AM	CSO Tank Maintenance	Monthly fire extinguisher checks and odor control checks and training. cso 33-2, I-04, 26
	48318	SFB & LINCOLN	2/3/2022 1:30:43 PM	CSO Tank Maintenance	Testing the electroslide and doing a flow test for a ten minute interval for future bypass of Post Street bridge.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	48351	SFB & LINCOLN	2/4/2022 12:00:16 PM	CSO Tank Maintenance	Picked up parts and repaired pipe bracket for flush ou at sump. Worked with pump station personal and teck. from Commins. on gen. Unable to test system. Pump personal arechecking into problem.
	48728	SFB & LINCOLN	3/2/2022 1:30:53 PM	CSO Tank Maintenance	Intermediate check as a result of wet weather event and tank taking on flow. All checks complete and okay. There was very little if any added to the sump from the main. There is a gap at the weir device in the diversion vault to the overflow side. We need to seal this gap to find out if that is why we are getting some flow during wet weather events. Sump was pumped down to normal range.
		SFB & LINCOLN	3/2/2022 1:30:53 PM	CSO Tank Maintenance	Intermediate check as a result of wet weather event and tank taking on flow. All checks complete and okay. There was very little if any added to the sump from the main. There is a gap at the weir device in the diversion vault to the overflow side. We need to seal this gap to find out if that is why we are getting some flow during wet weather events. Sump was pumped down to normal range.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	48728	SFB & LINCOLN	3/2/2022 1:30:53 PM	CSO Tank Maintenance	Intermediate check as a result of wet weather event and tank taking on flow. All checks complete and okay. There was very little if any added to the sump from the main. There is a gap at the weir device in the diversion vault to the overflow side. We need to seal this gap to find out if that is why we are getting some flow during wet weather events. Sump was pumped down to normal range.
		SFB & LINCOLN	3/2/2022 1:30:53 PM	CSO Tank Maintenance	Intermediate check as a result of wet weather event and tank taking on flow. All checks complete and okay. There was very little if any added to the sump from the main. There is a gap at the weir device in the diversion vault to the overflow side. We need to seal this gap to find out if that is why we are getting some flow during wet weather events. Sump was pumped down to normal range.
		SFB & LINCOLN	3/2/2022 1:30:53 PM	CSO Tank Maintenance	Intermediate check as a result of wet weather event and tank taking on flow. All checks complete and okay. There was very little if any added to the sump from the main. There is a gap at the weir device in the diversion vault to the overflow side. We need to seal this gap to find out if that is why we are getting some flow during wet weather events. Sump was pumped down to normal range.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	48728	SFB & LINCOLN	3/2/2022 1:30:53 PM	CSO Tank Maintenance	Intermediate check as a result of wet weather event and tank taking on flow. All checks complete and okay. There was very little if any added to the sump from the main. There is a gap at the weir device in the diversion vault to the overflow side. We need to seal this gap to find out if that is why we are getting some flow during wet weather events. Sump was pumped down to normal range.
	48721	MULTIPLE LOCATIONS	3/2/2022 2:00:11 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48754	MULTIPLE LOCATIONS	3/3/2022 11:00:33 AM	CSO Tank Maintenance	Checking on tanks after flushway filling message received 03/02/2022 after hours. CSO 6 okay. CSO 12 tank #1 needed flushed and cleaned.
		MULTIPLE LOCATIONS	3/3/2022 11:00:33 AM	CSO Tank Maintenance	Meet Mike Schug and company for SCADA access at CSO 26; check CSO 34-2 over odor control units for new leaks during storm; check drainage tarps at CSO 16 and made adjustments.
	48900	SFB & LINCOLN	3/11/2022 3:15:51 PM	CSO Tank Maintenance	Build carrier for hopper to install replacement carbon at CSO 26
	48926	SFB & LINCOLN	3/15/2022 10:30:00 AM	CSO Tank Maintenance	Pump down sump to normal level after Plaza drains raised water level to sump filling alarm.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	49013	MULTIPLE LOCATIONS	3/21/2022 2:30:33 PM	CSO Tank Maintenance	CSO 26; check on damages to concrete work and check on sump level and show and tell about site. CSO 24-1; check on tank and show and tell. CSO 34-3; measure for replacement media in odor control unit #1 cell 3 {51cuft.}. CSO 6 to check out ECS units media type and check on graffiti at air inlets and exhaust - more needs to be covered up.
	49154	SFB & LINCOLN	3/30/2022 2:30:28 PM	CSO Tank Maintenance	De winterize water system and fill flush tanks. Test odor control motor slow down to 10 % works ok. SF-1 not working will check on repair. Sump pump #2 in pump station leaking at joint and alarm sounds when power on turn in for repair. Flush tanks and pump sump.
	49296	MULTIPLE LOCATIONS	4/7/2022 11:15:38 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks: CSO 24-1, CSO 26, and I-04. Plus we are checking media levels in each unit.
	49480	SFB & LINCOLN	4/18/2022 12:45:13 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 904 W, SPOKANE FALLS BLVD - CSO 26, WILKENS 4" RP375A,# X45604
	49719	MULTIPLE LOCATIONS	5/3/2022 11:00:58 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	49807	SFB & LINCOLN	5/5/2022 2:00:47 PM	CSO Tank Maintenance	Try to open hatch drain on E. stairwell hatch no go.
	49856	SFB & LINCOLN	5/10/2022 1:15:26 PM	CSO Tank Maintenance	Filling and flushing tanks and spillway to clean tank after storm event.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	50377	SFB & LINCOLN	6/15/2022 3:00:08 PM	CSO Tank Maintenance	Test pump down and flush system in auto mode it worked. Some adjustments will be made. The system is in auto mode. Fill test filling flush tanks from clean water system is being done.
	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	50970	SFB & LINCOLN	8/1/2022 11:00:57 AM	CSO Tank Maintenance	Fire extinguisher and odor control checks complete.
	51289	SFB & LINCOLN	8/19/2022 2:00:16 PM	CSO Tank Maintenance	Replaced locks on RP device and both entry doors to utility level with #2026 keyed locks.
	51550	MULTIPLE LOCATIONS	9/6/2022 3:15:44 PM	CSO Tank Maintenance	Checked entry switches at CSO 26; work as advertised - need to have hatch closed to operate. CSO 23-1 got information to order or locate new lockable latch and handle. I-04 we were able to retrieve jammed grid sections out of odor control unit. We need new grid mesh cover before reinstalling and we need to retrofit supports into the unit.
	51638	MULTIPLE LOCATIONS	9/9/2022 11:30:42 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks. I-03 unit #1 does not operate; exhaust fan does not shut down when hatch is closed; RP enclosure struck by lawnmower needs to be fixed. CSO 12 H2S monitoring failed.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	51827	MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	CSO 42 has multiple dump areas that needs to be cleaned up. Also another rock has been moved so small vehicles and carts can be brought down to the river. We need to spend time burying these smaller rocks or bring in larger ones that cannot be moved by a simple pick-up truck.
		MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	New burn gels installed in first aid kits at CSO 34-1 and I-07. I-03 no new vandalism or further damage to RP enclosure. I-04 "NO Parking" sign missing from chains on North barricades and main entrance bollards struck and torn from pavement - moved so not an obstruction. CSO 26 multiple vagrants living on benches and lower plaza level. CSO 33-1 no one has moved temp covers for future conduit access dig.
	51879	SFB & LINCOLN	9/29/2022 3:30:06 PM	CSO Tank Maintenance	Annual HVAC facility maintenance inspection and checks. Too many issues to list here. Rick needs to come back after further research on multiple items. Other issues require head electrician from treatment plant to resolve.
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.
	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	52266	MULTIPLE LOCATIONS	10/21/2022 12:00:00 PM	CSO Tank Maintenance	Returned plug for flow test of CSO 7. Check with Seco for xypex sealer for CSO 26 and Grainger for polymesh screen for I-04 odor control unit. Check flow and set up at CSO 41 to remove hydroslide cover. Check on garbage build-up at CSO 42.
	52302	MULTIPLE LOCATIONS	10/25/2022 11:30:17 AM	CSO Tank Maintenance	Research info for Nate on lock-down clean out lid for drainage basins at CSO 26, borescope for other drainage blockages. Placed grid support frame into odor control unit #1 at I-04.
	52497	MULTIPLE LOCATIONS	11/3/2022 3:06:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Cso 6, 12, I-03, 16, 24-1, 26, I-04, 24-3, 34-3
	52616	MULTIPLE LOCATIONS	11/14/2022 2:30:14 PM	CSO Tank Maintenance	Check heater units in RP enclosures. Checks complete. I-04 heater is not operating but has indication of good power through plug-in cable. I-03 has minor leak.
	52646	SFB & LINCOLN	11/15/2022 2:30:28 PM	CSO Tank Maintenance	Purchase kneel down pads at Home Depot. Check out graffiti markings on North wall of CSO 26. Multiple locations and markings all along the North wall. Need to notify code enforcement about debris dumped along walkway and below.
	52656	MULTIPLE LOCATIONS	11/16/2022 9:00:10 AM	CSO Tank Maintenance	Checked heater unit at RP enclosure for I-04, checked good. Temperatures on utility level at CSO 26 still above freezing, will drain water circuits later.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	52748	SFB & LINCOLN	11/28/2022 3:00:00 PM	CSO Tank Maintenance	Checked new 3/4" fitting in Plaza building; okay no leaks. Dewatered 4" supply line and feeders in Utility level for the tank.
		SFB & LINCOLN	11/28/2022 3:00:00 PM	CSO Tank Maintenance	Office work to send emails for repairs and research product availability multiple businesses.
	52780	SFB & LINCOLN	11/29/2022 3:15:09 PM	CSO Tank Maintenance	Radio shop to get clips and other parts on order. Remove parts at CSO 26 for replacement stainless items.
	52796	MULTIPLE LOCATIONS	11/30/2022 3:15:51 PM	CSO Tank Maintenance	Office work cataloging parts list and leaflets to binder and a digital copy established on the city drive. Checked on CSO 42 and CSO 41; okay. Purchased parts for CSO 26, available as early as tomorrow.
	52799	MULTIPLE LOCATIONS	12/1/2022 3:00:38 PM	CSO Tank Maintenance	CSO 12 has a fault on air monitoring system again. CSO 24-3 has an air monitoring failure again. Will notify Chris Clarke when all checks are complete.
	52951	MULTIPLE LOCATIONS	12/9/2022 2:30:34 PM	CSO Tank Maintenance	Check on CTI at CSO 7 after full CTI flush 12/05; rags piles found at upstream MH but not the others. Check RP heater at I-04. Check on cement cure on basement threshold CSO 26; good cure. Check on CSO 24-1 main hatch micro switch working to shut down utility level; okay just on a delay.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	52969	SFB & LINCOLN	12/12/2022 3:15:38 PM	CSO Tank Maintenance	CSO 24-1 check on false overflow warning signal. Try automatic sequence on flush system after monitoring pump timer adjustment; automatic sequence caused a safety mode shutdown. CSO 25 check "early warning" from 12/10; some debris. CSO 26 to investigate leaks around ventilation through ceiling of utility level with endoscope camera.
	52986	SFB & LINCOLN	12/13/2022 3:15:45 PM	CSO Tank Maintenance	Upload endoscope camera videos from CSO 26 leaks investigation. Research construction photos for ventilation and electrical CSO 26.
	52996	MULTIPLE LOCATIONS	12/14/2022 11:30:51 AM	CSO Tank Maintenance	Research photos of construction CSO 26, 34-1, and I-04 for drainage on plaza and out of hatch frames. Investigate options for main hatch drainage CSO 26.
	53030	MULTIPLE LOCATIONS	12/15/2022 2:45:31 PM	CSO Tank Maintenance	Finish construction photo investigation for CSO 26 drainage. Checked on CSO 12 for ice berm at apron; needs to be removed. Checked on CSO 26 catch basin on South curb line; it does feed into the tank. Check on ice build-up around CSO 23-3, I-04; okay.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers
	53075	SFB & LINCOLN	12/21/2022 3:15:34 PM	CSO Tank Maintenance	Reviewed CSO tanks O&Ms. Moved some broken objects from walkways on Plaza at CSO 26.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-1	47866	MULTIPLE LOCATIONS	1/5/2022 10:00:14 AM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	48057	MULTIPLE LOCATIONS	1/20/2022 2:15:44 PM	CSO Tank Maintenance	Checking on tanks while filling during wet weather event. Some verified, some no flow, 24-1 did not send data so monitoring will be notified.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48422	3RD & DENVER	2/9/2022 9:00:10 AM	CSO Tank Maintenance	Removed or covered up graffiti markings on RP enclosure and power unit and power pole box.
	48420	3RD & DENVER	2/9/2022 1:30:47 PM	CSO Tank Maintenance	Annual facility maintenance complete. EF-1 had burnt wire cap and wiring; running properly again. All three odor control units now have zerk fittings for proper motor lubrication. The micro switch at the hatch may be bad or the timer unit needs to be checked as the lights and EF-1 continued to operate after ten minutes of being held down to simulate hatch closure.
	48721	MULTIPLE LOCATIONS	3/2/2022 2:00:11 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48955	3RD & DENVER	3/16/2022 12:30:17 PM	CSO Tank Maintenance	Running odor control units to remove condensate within pipes.
	49334	MULTIPLE LOCATIONS	4/8/2022 1:00:35 PM	CSO Tank Maintenance	Fire extinguisher checks and odor control inspections at cso 34-3, 34-2, 33-1, 33-2. Griffiti on water valve box at 33-1.
	49469	3RD & DENVER	4/18/2022 9:00:36 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 1100 E. 3RD, CSO 33-1, 1 OF 2, WILKENS 3/4" RP 975XL #4368325

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-1	49486	3RD & DENVER	4/18/2022 2:15:33 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 1100 E. 3RD - CSO 33-1, WILKENS 4" RP 975XL, #4368325 CLEANED OUT DIF REL. VALVE. RETESTED OK.
	49764	MULTIPLE LOCATIONS	5/4/2022 3:00:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units. 24-1, I-04, 24-3, 34-3, 33-1, 34-2, 34-1, I-07, 38-2, 38-1 all ok
	49920	MULTIPLE LOCATIONS	5/13/2022 3:15:21 PM	CSO Tank Maintenance	Fill and flush and final cleaning of multiple tanks. Entry at 34-1 to get tool out of cell #8.
	49930	MULTIPLE LOCATIONS	5/16/2022 11:45:14 AM	CSO Tank Maintenance	Filling and flushing secondary storage tank at CSO 33-1. Found cell #3 flush tank door not seating correctly. Service truck assisted on entry to adjust door and adjustment worked. Fill and flush at CSO 6.
	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	51157	MULTIPLE LOCATIONS	8/10/2022 11:30:38 AM	CSO Tank Maintenance	CSO 16 has a minor leak at new 2" drop pipe joint. CSO 12 entrance "green" light for air quality monitoring does not work. All other checks complete.
	51617	MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
		MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	We will notify Chris Clark about O2 sensor bad at CSO 34-1.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-1	51827	MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	CSO 42 has multiple dump areas that needs to be cleaned up. Also another rock has been moved so small vehicles and carts can be brought down to the river. We need to spend time burying these smaller rocks or bring in larger ones that cannot be moved by a simple pick-up truck.
		MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	New burn gels installed in first aid kits at CSO 34-1 and I-07. I-03 no new vandalism or further damage to RP enclosure. I-04 "NO Parking" sign missing from chains on North barricades and main entrance bollards struck and torn from pavement - moved so not an obstruction. CSO 26 multiple vagrants living on benches and lower plaza level. CSO 33-1 no one has moved temp covers for future conduit access dig.
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.
	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52516	MULTIPLE LOCATIONS	11/4/2022 1:00:10 PM	CSO Tank Maintenance	Monthly checks of fire extinguishers and odor control units. 34-2, 33-1, 34-1, I-07

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-1	52616	MULTIPLE LOCATIONS	11/14/2022 2:30:14 PM	CSO Tank Maintenance	Check heater units in RP enclosures. Checks complete. I-04 heater is not operating but has indication of good power through plug-in cable. I-03 has minor leak.
	52817	MULTIPLE LOCATIONS	12/2/2022 10:00:38 AM	CSO Tank Maintenance	Shut off and drained water supply at CSO 33-1 as utility heater is broken. CSO 34-2 O2 sensor bad. Will notify Chris Clarke of all issues. Monthly checks complete.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-2	47825	MULTIPLE LOCATIONS	1/4/2022 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48266	MULTIPLE LOCATIONS	2/2/2022 11:30:45 AM	CSO Tank Maintenance	Monthly fire extinguisher checks and odor control checks and training. cso 33-2, I-04, 26
	48401	CSO TANK S OF SPRAGUE, E OF SCOTT	2/9/2022 3:15:25 PM	CSO Tank Maintenance	Annual facility maintenance checks complete. EF-1 fan shaft warped and out of the shroud; slow to start - no capacitor installed. Heaters will not come on automatically; need to check with manufacture and HV Control Panel manuals.
	48721	MULTIPLE LOCATIONS	3/2/2022 2:00:11 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	49334	MULTIPLE LOCATIONS	4/8/2022 1:00:35 PM	CSO Tank Maintenance	Fire extinguisher checks and odor control inspections at cso 34-3, 34-2, 33-1, 33-2. Griffiti on water valve box at 33-1.
	49385	CSO TANK S OF SPRAGUE, E OF SCOTT	4/12/2022 1:00:55 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ CSO 33-2 WILKEN 375XL 2" RP #A490465, SOV1 MINOR LEAK, REFER TO FRED.
	49803	MULTIPLE LOCATIONS	5/5/2022 9:30:53 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit check. 33-2, 16 all ok
	50406	CSO TANK S OF SPRAGUE, E OF SCOTT	6/17/2022 8:53:20 AM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING @ 902 E. SPRAGUE, WILKENS 375 XL 2" RP # A490465.
	50647	CSO TANK S OF SPRAGUE, E OF SCOTT	7/7/2022 8:15:42 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	51157	MULTIPLE LOCATIONS	8/10/2022 11:30:38 AM	CSO Tank Maintenance	CSO 16 has a minor leak at new 2" drop pipe joint. CSO 12 entrance "green" light for air quality monitoring does not work. All other checks complete.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-2	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.
	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52527	MULTIPLE LOCATIONS	11/7/2022 2:45:49 PM	CSO Tank Maintenance	Stopped operation on odor control unit #2 at CSO 34-3. Checked media level after settling and added 1.5 cubic feet more to that cell but no sign of our repair failing. Monthly fire extinguisher and odor control unit checks for CSO 38-1, 38-2 and 33-2. All monthly checks now complete.
	52606	MULTIPLE LOCATIONS	11/14/2022 11:45:00 AM	CSO Tank Maintenance	All heat tape checks complete. Replaced one heat tape for CSO 38-1. Shop for replacement heat tape and electrical tape.
	52817	MULTIPLE LOCATIONS	12/2/2022 10:00:38 AM	CSO Tank Maintenance	Shut off and drained water supply at CSO 33-1 as utility heater is broken. CSO 34-2 O2 sensor bad. Will notify Chris Clarke of all issues. Monthly checks complete.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-1 CRESTLINE	47825	MULTIPLE LOCATIONS	1/4/2022 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47998	RIVERSIDE BTWN LEE-CRESTLINE	1/17/2022 2:30:39 PM	CSO Tank Maintenance	Fill and flush all tanks free of debris post intermediate event checks.
	48057	MULTIPLE LOCATIONS	1/20/2022 2:15:44 PM	CSO Tank Maintenance	Checking on tanks while filling during wet weather event. Some verified, some no flow, 24-1 did not send data so monitoring will be notified.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48721	MULTIPLE LOCATIONS	3/2/2022 2:00:11 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48851	RIVERSIDE BTWN LEE-CRESTLINE	3/9/2022 1:45:51 PM	CSO Tank Maintenance	Annual facility HVAC maintenance complete. No major issues with components. Need two explosion proof box aluminum 1" plugs.
	49195	MULTIPLE LOCATIONS	4/1/2022 3:00:43 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	49202	MULTIPLE LOCATIONS	4/4/2022 3:00:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks: also checking media levels in each units' cells.
	49338	RIVERSIDE BTWN LEE-CRESTLINE	4/8/2022 1:00:00 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ CSO 34-1, 2110 E. RIVERSIDE, WATTS 757 SH1066 4" DC
	49510	RIVERSIDE BTWN LEE-CRESTLINE	4/19/2022 3:00:16 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 2110 E. RIVERSIDE CSO34-1, WILKENS 375A 4" RP #41211

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-1 CRESTLINE	49764	MULTIPLE LOCATIONS	5/4/2022 3:00:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units. 24-1, I-04, 24-3, 34-3, 33-1, 34-2, 34-1, I-07, 38-2, 38-1 all ok
	49888	MULTIPLE LOCATIONS	5/11/2022 3:15:41 PM	CSO Tank Maintenance	Fill and flush at 34-1, 24-1, and I-07. Multiple issues with CSO 24-1 flush doors not resetting normally. Also Flush Control Panel was glitchy and would not activate pump multiple times while doors were stuck open (resting on "j" hooks). Reset power to panel and got pump to engage and open doors in manual. Used extension poles to open doors resting on door latches to get them to reset to normal.
	49910	MULTIPLE LOCATIONS	5/12/2022 3:15:52 PM	CSO Tank Maintenance	Fill and flush dirty tanks and spillways post wet weather event.
	49920	MULTIPLE LOCATIONS	5/13/2022 3:15:21 PM	CSO Tank Maintenance	Fill and flush and final cleaning of multiple tanks. Entry at 34-1 to get tool out of cell #8.
	50488	RIVERSIDE BTWN LEE-CRESTLINE	6/24/2022 10:30:35 AM	CSO Tank Maintenance	Entry to clean out flush tanks for inspection prep post intermediate event.
	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	50872	RIVERSIDE BTWN LEE-CRESTLINE	7/25/2022 10:30:00 AM	CSO Tank Maintenance	Assist water dept. they removed insides of prv and checked filter screen also main valve was closed 50 percent taey opened it up. We know have 20 psi with flush tank filling much improved.
	51107	MULTIPLE LOCATIONS	8/9/2022 11:30:25 AM	CSO Tank Maintenance	Fire extinguisher and odor control unit checks complete.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-1 CRESTLINE	51617	MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
		MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	We will notify Chris Clark about O2 sensor bad at CSO 34-1.
	51652	RIVERSIDE BTWN LEE-CRESTLINE	9/12/2022 1:15:45 PM	CSO Tank Maintenance	After hearing Water Dept. say they had seen a person coming up from the ventilation nearest Zips restaurant we entered to investigate. We found smashed glass and garbage but no other sign that someone was staying in the vault space or the ventilation pipe. We need to return to put straps over the entry grates and clean up the garbage left inside the vault.
	51827	MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	CSO 42 has multiple dump areas that needs to be cleaned up. Also another rock has been moved so small vehicles and carts can be brought down to the river. We need to spend time burying these smaller rocks or bring in larger ones that cannot be moved by a simple pick-up truck.
		MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	New burn gels installed in first aid kits at CSO 34-1 and I-07. I-03 no new vandalism or further damage to RP enclosure. I-04 "NO Parking" sign missing from chains on North barricades and main entrance bollards struck and torn from pavement - moved so not an obstruction. CSO 26 multiple vagrants living on benches and lower plaza level. CSO 33-1 no one has moved temp covers for future conduit access dig.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-1 CRESTLINE	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.
	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52321	MULTIPLE LOCATIONS	10/26/2022 2:30:23 PM	CSO Tank Maintenance	Limbed shrubs at CSO 19 outfall and I-03. Checked on drainage at CSO 34-2; okay. Pinged for buried lids at CSO 34-1 and I-07.
	52516	MULTIPLE LOCATIONS	11/4/2022 1:00:10 PM	CSO Tank Maintenance	Monthly checks of fire extinguishers and odor control units. 34-2, 33-1, 34-1, I-07
	52616	MULTIPLE LOCATIONS	11/14/2022 2:30:14 PM	CSO Tank Maintenance	Check heater units in RP enclosures. Checks complete. I-04 heater is not operating but has indication of good power through plug-in cable. I-03 has minor leak.
	52817	MULTIPLE LOCATIONS	12/2/2022 10:00:38 AM	CSO Tank Maintenance	Shut off and drained water supply at CSO 33-1 as utility heater is broken. CSO 34-2 O2 sensor bad. Will notify Chris Clarke of all issues. Monthly checks complete.
	52908	MULTIPLE LOCATIONS	12/6/2022 3:15:05 PM	CSO Tank Maintenance	Add flex seal over odor control units CSO 34-2. Fill and flush cell #8 CSO 34-1 to add fresh water to sump.
	52996	MULTIPLE LOCATIONS	12/14/2022 11:30:51 AM	CSO Tank Maintenance	Research photos of construction CSO 26, 34-1, and I-04 for drainage on plaza and out of hatch frames. Investigate options for main hatch drainage CSO 26.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-1 CRESTLINE	53071	RIVERSIDE BTWN LEE- CRESTLINE	12/20/2022 2:00:14 PM	CSO Tank Maintenance	Work on security straps for vent grates at cso 34-1. Having them made at weld shop. locating security nuts for mounion bolts.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-2	47825	MULTIPLE LOCATIONS	1/4/2022 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48057	MULTIPLE LOCATIONS	1/20/2022 2:15:44 PM	CSO Tank Maintenance	Checking on tanks while filling during wet weather event. Some verified, some no flow, 24-1 did not send data so monitoring will be notified.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48721	MULTIPLE LOCATIONS	3/2/2022 2:00:11 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48754	MULTIPLE LOCATIONS	3/3/2022 11:00:33 AM	CSO Tank Maintenance	Checking on tanks after flushway filling message received 03/02/2022 after hours. CSO 6 okay. CSO 12 tank #1 needed flushed and cleaned.
		MULTIPLE LOCATIONS	3/3/2022 11:00:33 AM	CSO Tank Maintenance	Meet Mike Schug and company for SCADA access at CSO 26; check CSO 34-2 over odor control units for new leaks during storm; check drainage tarps at CSO 16 and made adjustments.
	48857	CSO TANK UNDERHILL PARK	3/9/2022 3:15:36 PM	CSO Tank Maintenance	Annual facility maintenance checks complete save the odor control motors checks. Outlets in Mechanical room are not hooked up although the power panel says they are.
	49051	MULTIPLE LOCATIONS	3/22/2022 1:45:44 PM	CSO Tank Maintenance	CSO 41 for show and tell; CSO 16 to measure for new drain pans installation for weld shop; CSO 34-2 for show and tell and to run odor control for 24 hours.
	49334	MULTIPLE LOCATIONS	4/8/2022 1:00:35 PM	CSO Tank Maintenance	Fire extinguisher checks and odor control inspections at cso 34-3, 34-2, 33-1, 33-2. Griffiti on water valve box at 33-1.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-2	49440	CSO TANK UNDERHILL PARK	4/15/2022 8:30:08 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY @ 900 S. FISKE CSO 34-2 UNDERHILL PARK, WILKENS 975XL 2" #3902502 2 OF 2
	49764	MULTIPLE LOCATIONS	5/4/2022 3:00:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units. 24-1, I-04, 24-3, 34-3, 33-1, 34-2, 34-1, I-07, 38-2, 38-1 all ok
	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	51157	MULTIPLE LOCATIONS	8/10/2022 11:30:38 AM	CSO Tank Maintenance	CSO 16 has a minor leak at new 2" drop pipe joint. CSO 12 entrance "green" light for air quality monitoring does not work. All other checks complete.
	51246	CSO TANK UNDERHILL PARK	8/16/2022 2:40:32 PM	CSO Tank Maintenance	Start installing plumbing for sump pump in mechanical room.
	51643	MULTIPLE LOCATIONS	9/12/2022 10:30:00 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units checks complete. #1 unit at CSO 34-3 still down and awaiting new media install to check the repair completed earlier this year. Still waiting to hear from facility maintenance about replacement unit at CSO 24-3.
	51787	CSO TANK UNDERHILL PARK	9/21/2022 2:45:41 PM	CSO Tank Maintenance	Assist Rick from building maint. to finish service work on 3 odor control units.
	51905	MULTIPLE LOCATIONS	9/30/2022 2:45:36 PM	CSO Tank Maintenance	Checked on multiple tanks after storm and those with early warning alerts. Also went to CSO 42 to check on code enforcement progress.
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-2	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52283	MULTIPLE LOCATIONS	10/24/2022 11:30:49 AM	CSO Tank Maintenance	Swapped fire extinguisher holding clips from I-04 to I-07. Checked on early warning tanks from prior storm.
	52321	MULTIPLE LOCATIONS	10/26/2022 2:30:23 PM	CSO Tank Maintenance	Limbed shrubs at CSO 19 outfall and I-03. Checked on drainage at CSO 34-2; okay. Pinged for buried lids at CSO 34-1 and I-07.
	52516	MULTIPLE LOCATIONS	11/4/2022 1:00:10 PM	CSO Tank Maintenance	Monthly checks of fire extinguishers and odor control units. 34-2, 33-1, 34-1, I-07
	52606	MULTIPLE LOCATIONS	11/14/2022 11:45:00 AM	CSO Tank Maintenance	All heat tape checks complete. Replaced one heat tape for CSO 38-1. Shop for replacement heat tape and electrical tape.
	52817	MULTIPLE LOCATIONS	12/2/2022 10:00:38 AM	CSO Tank Maintenance	Shut off and drained water supply at CSO 33-1 as utility heater is broken. CSO 34-2 O2 sensor bad. Will notify Chris Clarke of all issues. Monthly checks complete.
	52908	MULTIPLE LOCATIONS	12/6/2022 3:15:05 PM	CSO Tank Maintenance	Add flex seal over odor control units CSO 34-2. Fill and flush cell #8 CSO 34-1 to add fresh water to sump.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-2 OUTLET	49094	CSO 34-2 OUTLET	3/24/2022 2:30:57 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ CSO 34-2, 1OF2 WILKEN'S 375XL 2" RP # B388153

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-3	47825	MULTIPLE LOCATIONS	1/4/2022 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47894	E/O RAY NEAR CONGRESS	1/6/2022 10:45:48 AM	CSO Tank Maintenance	Snow removal at entrance and driveway up to the hatch to gain access for facility maintenance.
	48154	MULTIPLE LOCATIONS	1/26/2022 3:00:52 PM	CSO Tank Maintenance	Tank maintenance at CSO 24-1, 26, and 34-3.
	48171	MULTIPLE LOCATIONS	1/27/2022 2:30:08 PM	CSO Tank Maintenance	Painting new cage for CSO 34-3, touch up paint on cage at CSO 41, and install drainage drip shield at CSO 16.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48721	MULTIPLE LOCATIONS	3/2/2022 2:00:11 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	49013	MULTIPLE LOCATIONS	3/21/2022 2:30:33 PM	CSO Tank Maintenance	CSO 26; check on damages to concrete work and check on sump level and show and tell about site. CSO 24-1; check on tank and show and tell. CSO 34-3; measure for replacement media in odor control unit #1 cell 3 {51cuft.}. CSO 6 to check out ECS units media type and check on graffiti at air inlets and exhaust - more needs to be covered up.
	49090	E/O RAY NEAR CONGRESS	3/24/2022 1:30:53 PM	CSO Tank Maintenance	BACKFLOW ASSEMBLY TESTING @ CSO 34-3 21ST & RAY WILKENS 375 2" RP #A396456
	49334	MULTIPLE LOCATIONS	4/8/2022 1:00:35 PM	CSO Tank Maintenance	Fire extinguisher checks and odor control inspections at cso 34-3, 34-2, 33-1, 33-2. Griffiti on water valve box at 33-1.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-3	49764	MULTIPLE LOCATIONS	5/4/2022 3:00:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units. 24-1, I-04, 24-3, 34-3, 33-1, 34-2, 34-1, I-07, 38-2, 38-1 all ok
	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	51157	MULTIPLE LOCATIONS	8/10/2022 11:30:38 AM	CSO Tank Maintenance	CSO 16 has a minor leak at new 2" drop pipe joint. CSO 12 entrance "green" light for air quality monitoring does not work. All other checks complete.
	51643	MULTIPLE LOCATIONS	9/12/2022 10:30:00 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units checks complete. #1 unit at CSO 34-3 still down and awaiting new media install to check the repair completed earlier this year. Still waiting to hear from facility maintenance about replacement unit at CSO 24-3.
	51815	E/O RAY NEAR CONGRESS	9/23/2022 11:30:43 AM	CSO Tank Maintenance	Finished installing sump pump in mechanical room.
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.
	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52497	MULTIPLE LOCATIONS	11/3/2022 3:06:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Cso 6, 12, I-03, 16, 24-1, 26, I-04, 24-3, 34-3

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-3	52527	MULTIPLE LOCATIONS	11/7/2022 2:45:49 PM	CSO Tank Maintenance	Stopped operation on odor control unit #2 at CSO 34-3. Checked media level after settling and added 1.5 cubic feet more to that cell but no sign of our repair failing. Monthly fire extinguisher and odor control unit checks for CSO 38-1, 38-2 and 33-2. All monthly checks now complete.
	52606	MULTIPLE LOCATIONS	11/14/2022 11:45:00 AM	CSO Tank Maintenance	All heat tape checks complete. Replaced one heat tape for CSO 38-1. Shop for replacement heat tape and electrical tape.
	52799	MULTIPLE LOCATIONS	12/1/2022 3:00:38 PM	CSO Tank Maintenance	CSO 12 has a fault on air monitoring system again. CSO 24-3 has an air monitoring failure again. Will notify Chris Clarke when all checks are complete.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-1	47822	CSO TANK W OF MAGNOLIA	1/4/2022 9:30:15 AM	CSO Tank Maintenance	Early warning in CTI. Raised hydroslide to clear the blockage. Reset linkage to float after flow reduced to normal.
	47825	MULTIPLE LOCATIONS	1/4/2022 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48721	MULTIPLE LOCATIONS	3/2/2022 2:00:11 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	49202	MULTIPLE LOCATIONS	4/4/2022 3:00:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks: also checking media levels in each units' cells.
	49445	CSO TANK W OF MAGNOLIA	4/15/2022 10:30:00 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBY TESTING @ CSO 38-1, 1700 E. SOUTH RIVERTON, WILKENS RP 375XLT #3656462
	49764	MULTIPLE LOCATIONS	5/4/2022 3:00:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units. 24-1, I-04, 24-3, 34-3, 33-1, 34-2, 34-1, I-07, 38-2, 38-1 all ok
	50005	MULTIPLE LOCATIONS	5/20/2022 2:00:35 PM	CSO Tank Maintenance	Fill and flush tanks, spillways and sumps at 38-1, 38-2, and 33-2. Washed down FCC and hydrosides at 38-1, and 38-2.
	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	51107	MULTIPLE LOCATIONS	8/9/2022 11:30:25 AM	CSO Tank Maintenance	Fire extinguisher and odor control unit checks complete.
	51617	MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
		MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	We will notify Chris Clark about O2 sensor bad at CSO 34-1.
	51807	CSO TANK W OF MAGNOLIA	9/22/2022 3:00:26 PM	CSO Tank Maintenance	Assist Rick building maint. service fans & Heater.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-1	51807	CSO TANK W OF MAGNOLIA	9/22/2022 3:00:26 PM	CSO Tank Maintenance	Assist Rick building maint. service fans & heaters.
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.
	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52527	MULTIPLE LOCATIONS	11/7/2022 2:45:49 PM	CSO Tank Maintenance	Stopped operation on odor control unit #2 at CSO 34-3. Checked media level after settling and added 1.5 cubic feet more to that cell but no sign of our repair failing. Monthly fire extinguisher and odor control unit checks for CSO 38-1, 38-2 and 33-2. All monthly checks now complete.
	52606	MULTIPLE LOCATIONS	11/14/2022 11:45:00 AM	CSO Tank Maintenance	All heat tape checks complete. Replaced one heat tape for CSO 38-1. Shop for replacement heat tape and electrical tape.
	52817	MULTIPLE LOCATIONS	12/2/2022 10:00:38 AM	CSO Tank Maintenance	Shut off and drained water supply at CSO 33-1 as utility heater is broken. CSO 34-2 O2 sensor bad. Will notify Chris Clarke of all issues. Monthly checks complete.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-2	47825	MULTIPLE LOCATIONS	1/4/2022 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48007	CSO TANK E OF ALTAMONT	1/17/2022 8:30:34 AM	CSO Tank Maintenance	Spray paint bypass valve control and "T" handle for ease of identification during call-out.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48721	MULTIPLE LOCATIONS	3/2/2022 2:00:11 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	49202	MULTIPLE LOCATIONS	4/4/2022 3:00:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks: also checking media levels in each units' cells.
	49441	CSO TANK E OF ALTAMONT	4/15/2022 9:30:09 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ CSO 38-2, 2400 E. SOUTHRIVERTON, WILKENS 375XL 2" RP #B055660
	49764	MULTIPLE LOCATIONS	5/4/2022 3:00:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units. 24-1, I-04, 24-3, 34-3, 33-1, 34-2, 34-1, I-07, 38-2, 38-1 all ok
	50005	MULTIPLE LOCATIONS	5/20/2022 2:00:35 PM	CSO Tank Maintenance	Fill and flush tanks, spillways and sumps at 38-1, 38-2, and 33-2. Washed down FCC and hydrosides at 38-1, and 38-2.
	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	51107	MULTIPLE LOCATIONS	8/9/2022 11:30:25 AM	CSO Tank Maintenance	Fire extinguisher and odor control unit checks complete.
	51617	MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
		MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	We will notify Chris Clark about O2 sensor bad at CSO 34-1.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-2	51806	CSO TANK E OF ALTAMONT	9/22/2022 1:30:02 PM	CSO Tank Maintenance	Assist Rick building maint. on service of fans & heaters EHU 2 not working.
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.
	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52527	MULTIPLE LOCATIONS	11/7/2022 2:45:49 PM	CSO Tank Maintenance	Stopped operation on odor control unit #2 at CSO 34-3. Checked media level after settling and added 1.5 cubic feet more to that cell but no sign of our repair failing. Monthly fire extinguisher and odor control unit checks for CSO 38-1, 38-2 and 33-2. All monthly checks now complete.
	52606	MULTIPLE LOCATIONS	11/14/2022 11:45:00 AM	CSO Tank Maintenance	All heat tape checks complete. Replaced one heat tape for CSO 38-1. Shop for replacement heat tape and electrical tape.
	52817	MULTIPLE LOCATIONS	12/2/2022 10:00:38 AM	CSO Tank Maintenance	Shut off and drained water supply at CSO 33-1 as utility heater is broken. CSO 34-2 O2 sensor bad. Will notify Chris Clarke of all issues. Monthly checks complete.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 41	48171	MULTIPLE LOCATIONS	1/27/2022 2:30:08 PM	CSO Tank Maintenance	Painting new cage for CSO 34-3, touch up paint on cage at CSO 41, and install drainage drip shield at CSO 16.
	49051	MULTIPLE LOCATIONS	3/22/2022 1:45:44 PM	CSO Tank Maintenance	CSO 41 for show and tell; CSO 16 to measure for new drain pans installation for weld shop; CSO 34-2 for show and tell and to run odor control for 24 hours.
	49843	UPRIVER & REBECCA	5/8/2022 10:40:00 AM	Check Weir	From Request 2482: Code: OTHER Description: Other - Add Details Details: CSO 41 High Water alarm Comments: Inspected CSO 41 for high water alarm, CSO OK
	49828	UPRIVER & REBECCA	5/9/2022 5:00:35 AM	Check Weir	DRY WEATHER OVER FLOW ALARM WEIR AND OUTFALL ARE DRY NO SIGN OF OVER FLOW
	50784	UPRIVER & REBECCA	7/15/2022 11:45:07 AM	CSO Tank Maintenance	Attempted to inspect gears and cam inside slide device at hydroslide for FCC CSO 41. Cover plate is blocked by float connection and the floatables control is also in the way for proper inspection.
	52266	MULTIPLE LOCATIONS	10/21/2022 12:00:00 PM	CSO Tank Maintenance	Returned plug for flow test of CSO 7. Check with Seco for xypex sealer for CSO 26 and Grainger for polymesh screen for I-04 odor control unit. Check flow and set up at CSO 41 to remove hydroslide cover. Check on garbage build-up at CSO 42.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 41	52796	MULTIPLE LOCATIONS	11/30/2022 3:15:51 PM	CSO Tank Maintenance	Office work cataloging parts list and leaflets to binder and a digital copy established on the city drive. Checked on CSO 42 and CSO 41; okay. Purchased parts for CSO 26, available as early as tomorrow.
	53074	UPRIVER & REBECCA	12/21/2022 6:45:46 AM	Check Weir	Check CSO 41 FCC and found no issues, no sign of backing up or overflow to storage. Secondary FCC found dry, no sign of overflow to storage.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 42	47936	SURRO DR @ S. RIVERTON	1/11/2022 2:30:25 PM	CSO Tank Maintenance	Check as a result of some early warnings during wet weather event. Found some grease built up around hydroslide and broke free the debris. Flow seemed to increase through the hydroslide afterward.
	48352	SURRO DR @ S. RIVERTON	2/4/2022 1:00:53 PM	Check Weir	Early warning at cso no problem found. Possibly surg from garment cleaner.
	48789	SURRO DR @ S. RIVERTON	3/4/2022 10:30:52 AM	CSO Tank Maintenance	Jet rodded the CTI (approximately 90 feet) at CSO 42. Shane entered to finish cleaning the benching and channel at the FCC.
	51827	MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	CSO 42 has multiple dump areas that needs to be cleaned up. Also another rock has been moved so small vehicles and carts can be brought down to the river. We need to spend time burying these smaller rocks or bring in larger ones that cannot be moved by a simple pick-up truck.
		MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	New burn gels installed in first aid kits at CSO 34-1 and I-07. I-03 no new vandalism or further damage to RP enclosure. I-04 "NO Parking" sign missing from chains on North barricades and main entrance bollards struck and torn from pavement - moved so not an obstruction. CSO 26 multiple vagrants living on benches and lower plaza level. CSO 33-1 no one has moved temp covers for future conduit access dig.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 42	51859	SURRO DR @ S. RIVERTON	9/28/2022 11:00:16 AM	CSO Tank Maintenance	Reinstalled rock along North side of Surro Rd to keep vehicles from getting down to our easement road along South side of Spokane river using backhoe. Two vehicles were able to get out before we installed the rock barrier again.
		SURRO DR @ S. RIVERTON	9/28/2022 11:00:16 AM	CSO Tank Maintenance	Rich Hansen completed bridge inspection with 3 entries.
	51905	MULTIPLE LOCATIONS	9/30/2022 2:45:36 PM	CSO Tank Maintenance	Checked on multiple tanks after storm and those with early warning alerts. Also went to CSO 42 to check on code enforcement progress.
	52266	MULTIPLE LOCATIONS	10/21/2022 12:00:00 PM	CSO Tank Maintenance	Returned plug for flow test of CSO 7. Check with Seco for xypex sealer for CSO 26 and Grainger for polymesh screen for I-04 odor control unit. Check flow and set up at CSO 41 to remove hydroslide cover. Check on garbage build-up at CSO 42.
	52796	MULTIPLE LOCATIONS	11/30/2022 3:15:51 PM	CSO Tank Maintenance	Office work cataloging parts list and leaflets to binder and a digital copy established on the city drive. Checked on CSO 42 and CSO 41; okay. Purchased parts for CSO 26, available as early as tomorrow.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 6	47793	MULTIPLE LOCATIONS	1/3/2022 3:15:14 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48057	MULTIPLE LOCATIONS	1/20/2022 2:15:44 PM	CSO Tank Maintenance	Checking on tanks while filling during wet weather event. Some verified, some no flow, 24-1 did not send data so monitoring will be notified.
	48182	UNDERGROUND TANK NW & KIERNAN	1/28/2022 11:00:43 AM	CSO Tank Maintenance	Annual facility HVAC maintenance complete. One wire replaced in electrical room heater as it was arcing and burning.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48662	MULTIPLE LOCATIONS	3/1/2022 3:00:28 PM	CSO Tank Maintenance	Monthly fire extinguisher checks & odor control. Cso 24-1 & new eye wash. cso 6, cso 12 & eye wash, I-03 & eye wash, cso 16 & eye wash, 43rd & Garfield.
	48754	MULTIPLE LOCATIONS	3/3/2022 11:00:33 AM	CSO Tank Maintenance	Checking on tanks after flushway filling message received 03/02/2022 after hours. CSO 6 okay. CSO 12 tank #1 needed flushed and cleaned.
		MULTIPLE LOCATIONS	3/3/2022 11:00:33 AM	CSO Tank Maintenance	Meet Mike Schug and company for SCADA access at CSO 26; check CSO 34-2 over odor control units for new leaks during storm; check drainage tarps at CSO 16 and made adjustments.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 6	49013	MULTIPLE LOCATIONS	3/21/2022 2:30:33 PM	CSO Tank Maintenance	CSO 26; check on damages to concrete work and check on sump level and show and tell about site. CSO 24-1; check on tank and show and tell. CSO 34-3; measure for replacement media in odor control unit #1 cell 3 {51cuft.}. CSO 6 to check out ECS units media type and check on graffiti at air inlets and exhaust - more needs to be covered up.
	49195	MULTIPLE LOCATIONS	4/1/2022 3:00:43 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	49202	MULTIPLE LOCATIONS	4/4/2022 3:00:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks: also checking media levels in each units' cells.
	49452	UNDERGROUND TANK NW & KIERNAN	4/15/2022 1:45:00 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING 1 OF 2@ 3792 W. NW BLVD, CSO 6, WILKENS 2" RP 375XL #B096460
	49453	UNDERGROUND TANK NW & KIERNAN	4/15/2022 2:15:54 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING 2 OF 2@ 3792 W. NW BLVD, CSO 6, WILKENS 2" RP 375XL #A435982
	49719	MULTIPLE LOCATIONS	5/3/2022 11:00:58 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	49920	MULTIPLE LOCATIONS	5/13/2022 3:15:21 PM	CSO Tank Maintenance	Fill and flush and final cleaning of multiple tanks. Entry at 34-1 to get tool out of cell #8.
	49930	MULTIPLE LOCATIONS	5/16/2022 11:45:14 AM	CSO Tank Maintenance	Filling and flushing secondary storage tank at CSO 33-1. Found cell #3 flush tank door not seating correctly. Service truck assisted on entry to adjust door and adjustment worked. Fill and flush at CSO 6.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 6	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	51157	MULTIPLE LOCATIONS	8/10/2022 11:30:38 AM	CSO Tank Maintenance	CSO 16 has a minor leak at new 2" drop pipe joint. CSO 12 entrance "green" light for air quality monitoring does not work. All other checks complete.
	51338	MULTIPLE LOCATIONS	8/24/2022 10:45:00 AM	CSO Tank Maintenance	Brought one Davet entry setup to CSO 6 from CSO 24 -1 as it needed one.
		MULTIPLE LOCATIONS	8/24/2022 10:45:00 AM	CSO Tank Maintenance	Checked on eye wash dates for CSO 26. September 2023; don't need to order yet.
		MULTIPLE LOCATIONS	8/24/2022 10:45:00 AM	CSO Tank Maintenance	Filled and flushed all tanks. Had to reset Flushing control panel twice as #1 flush gate pressure dropped within allotted time. All gates reset for next storm. No pump issues.
	51617	MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
		MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	We will notify Chris Clark about O2 sensor bad at CSO 34-1.
	51732	UNDERGROUND TANK NW & KIERNAN	9/19/2022 4:30:39 PM	CSO Tank Maintenance	Set up traffic control and detour. Installed plugs and pump. Flow test completed twice. Picked up signs and pump. All equipment cleaned and put away.
	51839	UNDERGROUND TANK NW & KIERNAN	9/27/2022 3:30:49 PM	CSO Tank Maintenance	Rich Hansen completed bridge inspection with five entries total.
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 6	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52497	MULTIPLE LOCATIONS	11/3/2022 3:06:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Cso 6, 12, I-03, 16, 24-1, 26, I-04, 24-3, 34-3
	52606	MULTIPLE LOCATIONS	11/14/2022 11:45:00 AM	CSO Tank Maintenance	All heat tape checks complete. Replaced one heat tape for CSO 38-1. Shop for replacement heat tape and electrical tape.
	52799	MULTIPLE LOCATIONS	12/1/2022 3:00:38 PM	CSO Tank Maintenance	CSO 12 has a fault on air monitoring system again. CSO 24-3 has an air monitoring failure again. Will notify Chris Clarke when all checks are complete.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 7	48090		1/24/2022 8:00:43 AM	CSO Tank Maintenance	Check and clean control vault channel.*
	49662		5/2/2022 8:15:36 AM	CSO Tank Maintenance	Weekly check of FCC CTI found clean; no rags piles.
	50087		5/31/2022 8:00:48 AM	CSO Tank Maintenance	Weekly check of FCC CTI. All clear after rain storms.
	52227		10/19/2022 3:15:24 PM	CSO Tank Maintenance	Rent inflatable plug, place door knockers and speak with Downriver Golf Course Pro, place "No Parking" signs on Cora and Downriver Dr. and gather all necessary equipment for flow test.
	52253		10/20/2022 3:30:11 PM	CSO Tank Maintenance	Plug; bypass pump, and flow test complete.
	52266	MULTIPLE LOCATIONS	10/21/2022 12:00:00 PM	CSO Tank Maintenance	Returned plug for flow test of CSO 7. Check with Seco for xypex sealer for CSO 26 and Grainger for polymesh screen for I-04 odor control unit. Check flow and set up at CSO 41 to remove hydroslide cover. Check on garbage build-up at CSO 42.
	52951	MULTIPLE LOCATIONS	12/9/2022 2:30:34 PM	CSO Tank Maintenance	Check on CTI at CSO 7 after full CTI flush 12/05; rags piles found at upstream MH but not the others. Check RP heater at I-04. Check on cement cure on basement threshold CSO 26; good cure. Check on CSO 24-1 main hatch micro switch working to shut down utility level; okay just on a delay.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-04 BOSCH LOT	47866	MULTIPLE LOCATIONS	1/5/2022 10:00:14 AM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	48266	MULTIPLE LOCATIONS	2/2/2022 11:30:45 AM	CSO Tank Maintenance	Monthly fire extinguisher checks and odor control checks and training. cso 33-2, I-04, 26
	48366	N/O SUMMIT, E/O MONROE	2/7/2022 11:30:55 AM	CSO Tank Maintenance	Annual facility maintenance check. All checks complete and okay.
	48729	N/O SUMMIT, E/O MONROE	3/2/2022 1:45:58 PM	CSO Tank Maintenance	Intermediate check as a result of wet weather event and tank taking on flow. All checks complete and okay. Comment added in error. Fire extinguisher and odor control checks complete.
	49069	N/O SUMMIT, E/O MONROE	3/23/2022 2:15:49 PM	CSO Tank Maintenance	Picked up new bolts from Fastenal and install at I-04 COMM hatch for monitoring crew.
	49296	MULTIPLE LOCATIONS	4/7/2022 11:15:38 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks: CSO 24-1, CSO 26, and I-04. Plus we are checking media levels in each unit.
	49481	N/O SUMMIT, E/O MONROE	4/18/2022 1:15:00 PM	CSO Tank Maintenance	
	49764	MULTIPLE LOCATIONS	5/4/2022 3:00:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units. 24-1, I-04, 24-3, 34-3, 33-1, 34-2, 34-1, I-07, 38-2, 38-1 all ok
	49965	MULTIPLE LOCATIONS	5/17/2022 3:15:16 PM	CSO Tank Maintenance	Checking on tanks after wet weather event and early warnings. CSO 23-1, 10 and 25 FCC needs cleaning. I-04 needs a fill and flush.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-04 BOSCH LOT	51157	MULTIPLE LOCATIONS	8/10/2022 11:30:38 AM	CSO Tank Maintenance	CSO 16 has a minor leak at new 2" drop pipe joint. CSO 12 entrance "green" light for air quality monitoring does not work. All other checks complete.
	51550	MULTIPLE LOCATIONS	9/6/2022 3:15:44 PM	CSO Tank Maintenance	Checked entry switches at CSO 26; work as advertised - need to have hatch closed to operate. CSO 23-1 got information to order or locate new lockable latch and handle. I-04 we were able to retrieve jammed grid sections out of odor control unit. We need new grid mesh cover before reinstalling and we need to retrofit supports into the unit.
	51617	MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
		MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	We will notify Chris Clark about O2 sensor bad at CSO 34-1.
	51827	MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	CSO 42 has multiple dump areas that needs to be cleaned up. Also another rock has been moved so small vehicles and carts can be brought down to the river. We need to spend time burying these smaller rocks or bring in larger ones that cannot be moved by a simple pick-up truck.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-04 BOSCH LOT	51827	MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	New burn gels installed in first aid kits at CSO 34-1 and I-07. I-03 no new vandalism or further damage to RP enclosure. I-04 "NO Parking" sign missing from chains on North barricades and main entrance bollards struck and torn from pavement - moved so not an obstruction. CSO 26 multiple vagrants living on benches and lower plaza level. CSO 33-1 no one has moved temp covers for future conduit access dig.
	51905	MULTIPLE LOCATIONS	9/30/2022 2:45:36 PM	CSO Tank Maintenance	Checked on multiple tanks after storm and those with early warning alerts. Also went to CSO 42 to check on code enforcement progress.
	51978	N/O SUMMIT, E/O MONROE	10/5/2022 11:30:16 AM	CSO Tank Maintenance	Finished structural inspection with Jed from LSB engineering.
		N/O SUMMIT, E/O MONROE	10/5/2022 11:30:16 AM	CSO Tank Maintenance	Structural inspection. L.S.B. inspecting. Jed Druffel
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.
	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-04 BOSCH LOT	52266	MULTIPLE LOCATIONS	10/21/2022 12:00:00 PM	CSO Tank Maintenance	Returned plug for flow test of CSO 7. Check with Seco for xypex sealer for CSO 26 and Grainger for polymesh screen for I-04 odor control unit. Check flow and set up at CSO 41 to remove hydroslide cover. Check on garbage build-up at CSO 42.
	52283	MULTIPLE LOCATIONS	10/24/2022 11:30:49 AM	CSO Tank Maintenance	Swapped fire extinguisher holding clips from I-04 to I-07. Checked on early warning tanks from prior storm.
	52302	MULTIPLE LOCATIONS	10/25/2022 11:30:17 AM	CSO Tank Maintenance	Research info for Nate on lock-down clean out lid for drainage basins at CSO 26, borescope for other drainage blockages. Placed grid support frame into odor control unit #1 at I-04.
	52497	MULTIPLE LOCATIONS	11/3/2022 3:06:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Cso 6, 12, I-03, 16, 24-1, 26, I-04, 24-3, 34-3
	52616	MULTIPLE LOCATIONS	11/14/2022 2:30:14 PM	CSO Tank Maintenance	Check heater units in RP enclosures. Checks complete. I-04 heater is not operating but has indication of good power through plug-in cable. I-03 has minor leak.
	52656	MULTIPLE LOCATIONS	11/16/2022 9:00:10 AM	CSO Tank Maintenance	Checked heater unit at RP enclosure for I-04, checked good. Temperatures on utility level at CSO 26 still above freezing, will drain water circuits later.
	52677	MULTIPLE LOCATIONS	11/17/2022 2:15:42 PM	CSO Tank Maintenance	Check on EF-2 at CSO 24-1; not operational. Facility maintenance work order created; SR103072.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-04 BOSCH LOT	52677	MULTIPLE LOCATIONS	11/17/2022 2:15:42 PM	CSO Tank Maintenance	Checked RP enclosure heater at I-04; okay. Investigated Cosky tank for heat tape operation; heat tape does work and back-flow valves are closed.
	52715	N/O SUMMIT, E/O MONROE	11/21/2022 11:30:40 AM	CSO Tank Maintenance	Last check on I-04 RP enclosure heater unit; still working over the weekend, heater fix complete. Take pictures of latch cover assembly and hatch to Weld shop for input on how to straighten out aluminum assemblies on site.
	52799	MULTIPLE LOCATIONS	12/1/2022 3:00:38 PM	CSO Tank Maintenance	CSO 12 has a fault on air monitoring system again. CSO 24-3 has an air monitoring failure again. Will notify Chris Clarke when all checks are complete.
	52951	MULTIPLE LOCATIONS	12/9/2022 2:30:34 PM	CSO Tank Maintenance	Check on CTI at CSO 7 after full CTI flush 12/05; rags piles found at upstream MH but not the others. Check RP heater at I-04. Check on cement cure on basement threshold CSO 26; good cure. Check on CSO 24-1 main hatch micro switch working to shut done utility level; okay just on a delay.
	53030	MULTIPLE LOCATIONS	12/15/2022 2:45:31 PM	CSO Tank Maintenance	Finish construction photo investigation for CSO 26 drainage. Checked on CSO 12 for ice berm at apron; needs to be removed. Checked on CSO 26 catch basin on South curb line; it does feed into the tank. Check on ice build-up around CSO 23-3, I-04; okay.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-07	47825	MULTIPLE LOCATIONS	1/4/2022 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48721	MULTIPLE LOCATIONS	3/2/2022 2:00:11 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48840	NW CORNER RIVERSIDE/NA PA	3/9/2022 11:00:59 AM	CSO Tank Maintenance	Annual facility maintenance complete. No findings; all systems clean and working properly.
	48996	NW CORNER RIVERSIDE/NA PA	3/18/2022 1:15:45 PM	CSO Tank Maintenance	Finished sweeping on mechanical level and picked up two trash bags full of garbage blown onto the site.
	49202	MULTIPLE LOCATIONS	4/4/2022 3:00:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks; also checking media levels in each units' cells.
	49532	NW CORNER RIVERSIDE/NA PA	4/20/2022 1:30:18 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 101 N. NAPA I-07C, WILKENS 4" RP 375A #41212
	49764	MULTIPLE LOCATIONS	5/4/2022 3:00:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control units. 24-1, I-04, 24-3, 34-3, 33-1, 34-2, 34-1, I-07, 38-2, 38-1 all ok
	49888	MULTIPLE LOCATIONS	5/11/2022 3:15:41 PM	CSO Tank Maintenance	Fill and flush at 34-1, 24-1, and I-07. Multiple issues with CSO 24-1 flush doors not resetting normally. Also Flush Control Panel was glitchy and would not activate pump multiple times while doors were stuck open (resting on "j" hooks). Reset power to panel and got pump to engage and open doors in manual. Used extension poles to open doors resting on door latches to get them to reset to normal.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-07	50626	MULTIPLE LOCATIONS	7/6/2022 3:15:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	50687	NW CORNER RIVERSIDE/NA PA	7/15/2022 11:00:00 AM	CSO Tank Maintenance	Entered to clean sump and and check standard sump level over pumps compared to reading in Control room. Values are accurate.
	51107	MULTIPLE LOCATIONS	8/9/2022 11:30:25 AM	CSO Tank Maintenance	Fire extinguisher and odor control unit checks complete.
	51617	MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
		MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	We will notify Chris Clark about O2 sensor bad at CSO 34-1.
	51827	MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	CSO 42 has multiple dump areas that needs to be cleaned up. Also another rock has been moved so small vehicles and carts can be brought down to the river. We need to spend time burying these smaller rocks or bring in larger ones that cannot be moved by a simple pick-up truck.
		MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	New burn gels installed in first aid kits at CSO 34-1 and I-07. I-03 no new vandalism or further damage to RP enclosure. I-04 "NO Parking" sign missing from chains on North barricades and main entrance bollards struck and torn from pavement - moved so not an obstruction. CSO 26 multiple vagrants living on benches and lower plaza level. CSO 33-1 no one has moved temp covers for future conduit access dig.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-07	51905	MULTIPLE LOCATIONS	9/30/2022 2:45:36 PM	CSO Tank Maintenance	Checked on multiple tanks after storm and those with early warning alerts. Also went to CSO 42 to check on code enforcement progress.
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.
	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52283	MULTIPLE LOCATIONS	10/24/2022 11:30:49 AM	CSO Tank Maintenance	Swapped fire extinguisher holding clips from I-04 to I-07. Checked on early warning tanks from prior storm.
	52321	MULTIPLE LOCATIONS	10/26/2022 2:30:23 PM	CSO Tank Maintenance	Limbed shrubs at CSO 19 outfall and I-03. Checked on drainage at CSO 34-2; okay. Pinged for buried lids at CSO 34-1 and I-07.
	52516	MULTIPLE LOCATIONS	11/4/2022 1:00:10 PM	CSO Tank Maintenance	Monthly checks of fire extinguishers and odor control units. 34-2, 33-1, 34-1, I-07
	52616	MULTIPLE LOCATIONS	11/14/2022 2:30:14 PM	CSO Tank Maintenance	Check heater units in RP enclosures. Checks complete. I-04 heater is not operating but has indication of good power through plug-in cable. I-03 has minor leak.
	52817	MULTIPLE LOCATIONS	12/2/2022 10:00:38 AM	CSO Tank Maintenance	Shut off and drained water supply at CSO 33-1 as utility heater is broken. CSO 34-2 O2 sensor bad. Will notify Chris Clarke of all issues. Monthly checks complete.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-07	52996	MULTIPLE LOCATIONS	12/14/2022 11:30:51 AM	CSO Tank Maintenance	Research photos of construction CSO 26, 34-1, and I-04 for drainage on plaza and out of hatch frames. Investigate options for main hatch drainage CSO 26.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
N/O SUMMIT, E/O MONROE	52677	MULTIPLE LOCATIONS	11/17/2022 2:15:42 PM	CSO Tank Maintenance	Check on EF-2 at CSO 24-1; not operational. Facility maintenance work order created; SR103072.
		MULTIPLE LOCATIONS	11/17/2022 2:15:42 PM	CSO Tank Maintenance	Checked RP enclosure heater at I-04; okay. Investigated Cosky tank for heat tape operation; heat tape does work and back-flow valves are closed.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
TJ MEENACH I-03 TANK	47793	MULTIPLE LOCATIONS	1/3/2022 3:15:14 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48127	TJ MEENACH / DOWNRIVER PARK	1/25/2022 12:15:25 PM	CSO Tank Maintenance	assist Rick building maint. on fan & heater inspection. Heater in mech room bad.
	48206	MULTIPLE LOCATIONS	2/1/2022 3:00:42 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	48662	MULTIPLE LOCATIONS	3/1/2022 3:00:28 PM	CSO Tank Maintenance	Monthly fire extinguisher checks & odor control. Cso 24-1 & new eye wash. cso 6, cso 12 & eye wash, I-03 & eye wash, cso 16 & eye wash, 43rd & Garfield.
	49202	MULTIPLE LOCATIONS	4/4/2022 3:00:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks: also checking media levels in each units' cells.
	49343	TJ MEENACH / DOWNRIVER PARK	4/8/2022 2:00:32 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ CSO IO - 3, 2828 N. TJ MEENACH DR, WILKENS 4" RP 375AST,#13734C
	49719	MULTIPLE LOCATIONS	5/3/2022 11:00:58 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	49965	MULTIPLE LOCATIONS	5/17/2022 3:15:16 PM	CSO Tank Maintenance	Checking on tanks after wet weather event and early warnings. CSO 23-1, 10 and 25 FCC needs cleaning. I-04 needs a fill and flush.
	50749	TJ MEENACH / DOWNRIVER PARK	7/13/2022 11:30:47 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. All tanks complete.
	51157	MULTIPLE LOCATIONS	8/10/2022 11:30:38 AM	CSO Tank Maintenance	CSO 16 has a minor leak at new 2" drop pipe joint. CSO 12 entrance "green" light for air quality monitoring does not work. All other checks complete.
	51617	MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
TJ MEENACH I-03 TANK	51617	MULTIPLE LOCATIONS	9/8/2022 11:00:13 AM	CSO Tank Maintenance	We will notify Chris Clark about O2 sensor bad at CSO 34-1.
	51638	MULTIPLE LOCATIONS	9/9/2022 11:30:42 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks. I-03 unit #1 does not operate; exhaust fan does not shut down when hatch is closed; RP enclosure struck by lawnmower needs to be fixed. CSO 12 H2S monitoring failed.
	51827	MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	CSO 42 has multiple dump areas that needs to be cleaned up. Also another rock has been moved so small vehicles and carts can be brought down to the river. We need to spend time burying these smaller rocks or bring in larger ones that cannot be moved by a simple pick-up truck.
		MULTIPLE LOCATIONS	9/26/2022 2:30:08 PM	CSO Tank Maintenance	New burn gels installed in first aid kits at CSO 34-1 and I-07. I-03 no new vandalism or further damage to RP enclosure. I-04 "NO Parking" sign missing from chains on North barricades and main entrance bollards struck and torn from pavement - moved so not an obstruction. CSO 26 multiple vagrants living on benches and lower plaza level. CSO 33-1 no one has moved temp covers for future conduit access dig.
	52090	MULTIPLE LOCATIONS	10/11/2022 2:45:47 PM	CSO Tank Maintenance	Collect fire extinguishers for annual recertification.

Weir Check and Tank Maint Noncyclic Report for 2022

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
TJ MEENACH I-03 TANK	52131	MULTIPLE LOCATIONS	10/13/2022 2:00:25 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks. Reinstalled fire extinguishers after annual recertification. I-07 needs a hanger ring installed on fire extinguisher. CSO 34-3 and 24-3 have air monitoring issues failures. All checks complete.
	52321	MULTIPLE LOCATIONS	10/26/2022 2:30:23 PM	CSO Tank Maintenance	Limbed shrubs at CSO 19 outfall and I-03. Checked on drainage at CSO 34-2; okay. Pinged for buried lids at CSO 34-1 and I-07.
	52497	MULTIPLE LOCATIONS	11/3/2022 3:06:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Cso 6, 12, I-03, 16, 24-1, 26, I-04, 24-3, 34-3
	52616	MULTIPLE LOCATIONS	11/14/2022 2:30:14 PM	CSO Tank Maintenance	Check heater units in RP enclosures. Checks complete. I-04 heater is not operating but has indication of good power through plug-in cable. I-03 has minor leak.
	52694	TJ MEENACH / DOWNRIVER PARK	11/17/2022 3:09:08 PM	CSO Tank Maintenance	CHECKED BACKFLOW PREVENTER FOR WATER LEAK @ I-03 TANK
		TJ MEENACH / DOWNRIVER PARK	11/17/2022 3:09:08 PM	CSO Tank Maintenance	WINTERIZED BACKFLOW PREVENTER @ COSKY TANK
	52799	MULTIPLE LOCATIONS	12/1/2022 3:00:38 PM	CSO Tank Maintenance	CSO 12 has a fault on air monitoring system again. CSO 24-3 has an air monitoring failure again. Will notify Chris Clarke when all checks are complete.
	52873	MULTIPLE LOCATIONS	12/5/2022 2:30:24 PM	CSO Tank Maintenance	Maintenance plow of driving surfaces for access.
	53059	MULTIPLE LOCATIONS	12/20/2022 2:46:13 PM	CSO Tank Maintenance	Clear snow off of covers