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Company Name	Signer Name	System Name
City of Spokane	Mike Lowdon	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for City of Spokane	Copy of Record CityofSpokane Thursday May 2 2024
CSO Annual Report for 2023	2023 CSO Annual Report_Signed

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

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May 1, 2024

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

Re: City of Spokane Combined Sewer Overflow (CSO) Annual Report – 2023

Dear Ms. Washington:

Enclosed for review and approval is the City of Spokane's 2023 CSO Annual Report as required in Section S14.D of the City's NPDES Permit (WA-002447-3). The 2023 annual CSO overflow volume to the Spokane River was only 105,374 gallons. There were no overflows to Latah Creek in 2023. 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): 2023 CSO Annual Report (1 Copies)

cc: (W/O Enclosure):

Marlene Feist, Director of Public Works
Mike Cannon, Plant Manager – RPWRF
Kyle Arrington, Assistant 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 – Wastewater Management Files
Cheryl Riddle – RPWRF Files



COMBINED SEWER OVERFLOW ANNUAL REPORT - 2023

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

May 1, 2024

Date

Raylene Gennett
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Section 1: Introduction

The City of Spokane's 2023 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 may be found at (CTRL-click to open): <https://my.spokanecity.org/publicworks/wastewater/cso/>

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 2023, there were approximately 871 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 2023, there are 19 combined sewer overflow regulators that overflow to 17 combined sewer overflow outfall pipes.

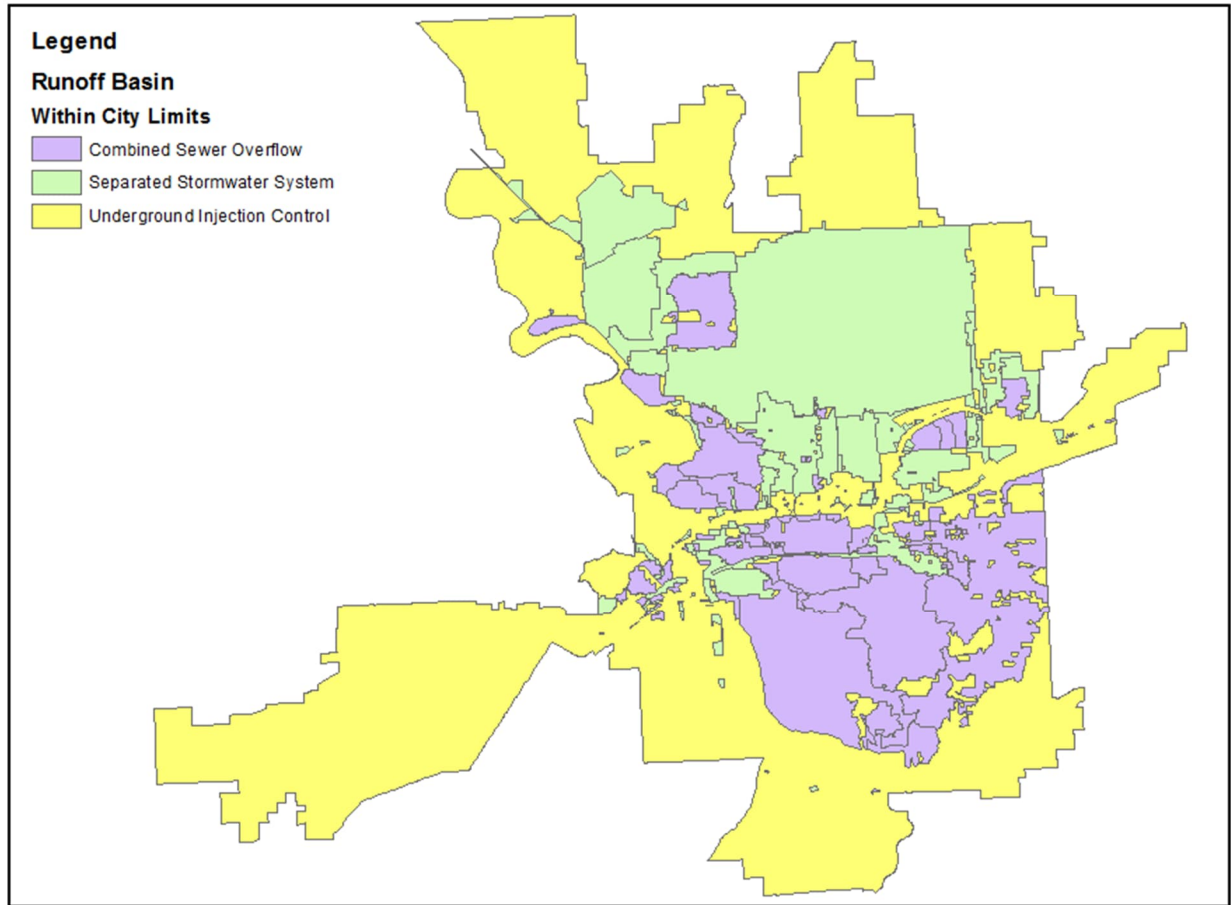


FIGURE 1-1 MAP OF CSO / STORM / UIC AREAS

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

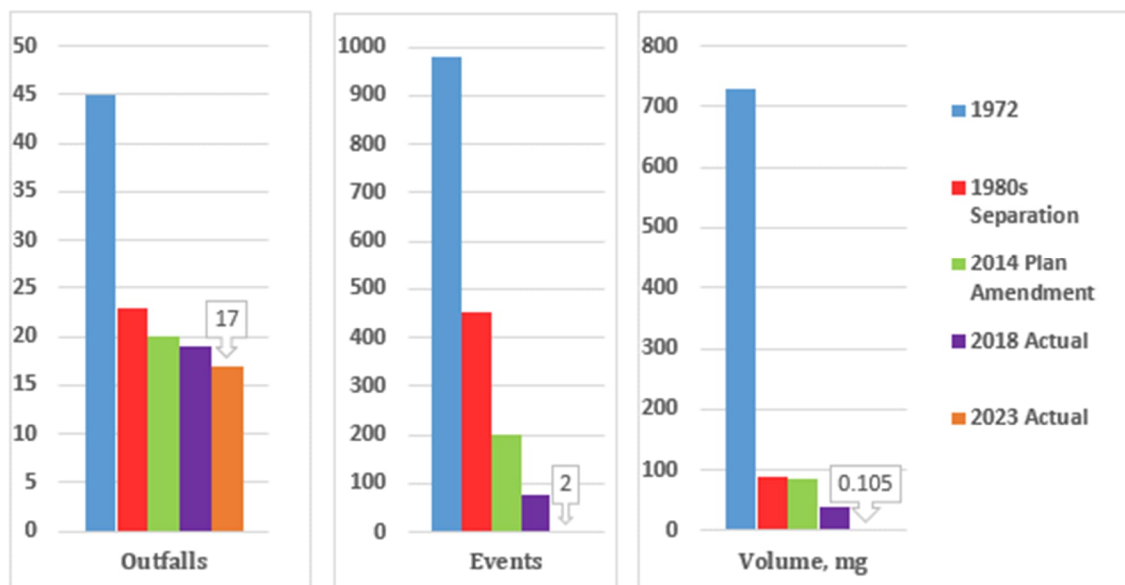


FIGURE 1-2 CSO REDUCTION HISTORY PROGRESS

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.

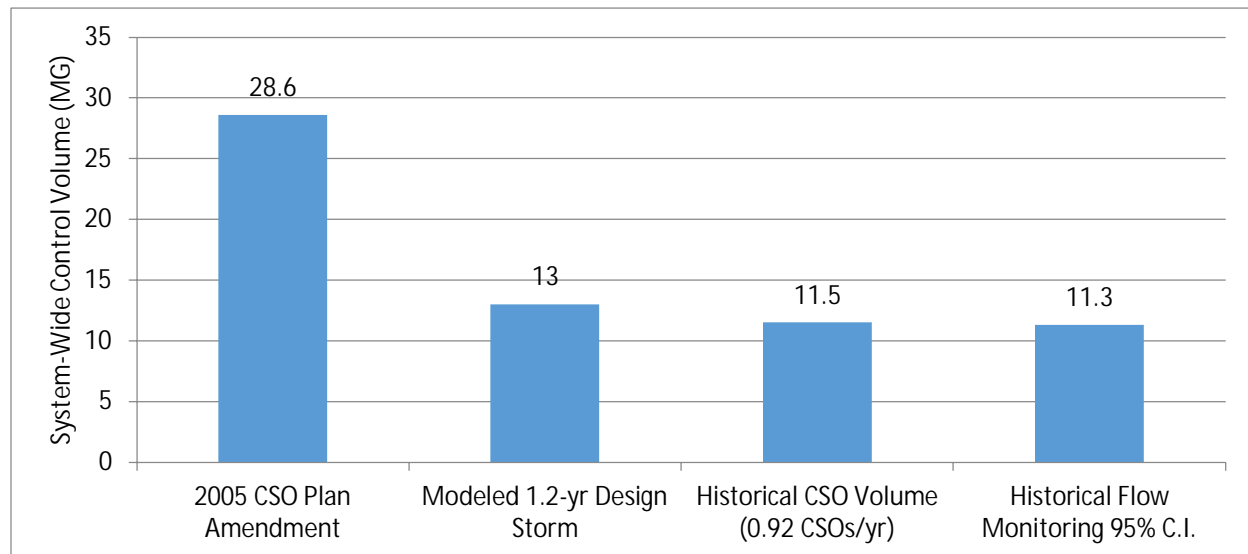


FIGURE 1-3: COMPARISON OF CSO FACILITY SIZING IN 2005 VS. THREE METHODS USED IN THE

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 (CTRL-click to open):

<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 2023 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 2023, the following activities were performed to ensure proper operation of the collection system:

TABLE 2-1: SUMMARY OF 2023 O&M ACTIVITIES	
Activity	Quantity
Miles of sewer and storm lines cleaned.	644 miles cleaned
Miles of sewer and storm lines CCTV inspected.	182 miles inspected
Number of catch basins inspected.	20,676 inspections
Number of catch basins cleaned.	2,346 cleanings
Number of catch basins modified to add floatables control.	298 modified
CSO weir and facility inspections.	475 inspections
CSO weir and facility cleanings.	41 cleanings
Number of lift station inspections.	487 inspections
Number of lift station cleanings.	274 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 (IO2) 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. The project was completed in Q2 2023. More details about the project are available in Section 3.1. In 2023, 14 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 2023, there were six listed Categorical Industrial Users, fourteen 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 2023, there were eight new FOG investigations and one concluded investigation from 2021. 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 2023, 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 2023, 298 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: "Drains are for Rains" and include a hotline phone number to report dumping. In 2023, 2,074 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, (CTRL-click to open) <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 2023, there were approximately 1,133 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.

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 2023. 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 2023, the City achieved a 99.66% 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 2023 SCHEDULED SEWER CLEANING	
Schedule	Work Orders Completed in 2023
Bi-monthly	47
Monthly	630
Every 2 Months	53
Every 3 Months	198
Every 4 Months	15
Every 5 Months	1
Every 6 Months	133
Every 9 Months	8
Annually	16
Total # of Work Orders	1,101

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 2023 SEWER REPAIR AND REPLACEMENTS

Activity	Asset Count
New Storm / Sanitary Line	9
Repair Storm / Sanitary Line	88
Replace Storm / Sanitary Line	31
New Catch Basin	2
Repair Catch Basin	9
Replace Catch Basin	3
New Manhole	2
Repair / Modify Manhole	92
Replace Manhole	2
Total # of Assets	238

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 2023, there was one SSO caused by tree roots, one SSO caused by construction activity, two SSOs where the cause was undetermined, and 4 SSOs caused by wet weather.

TABLE 2-4: SUMMARY OF SANITARY SEWER OVERFLOWS BY CAUSE, 2014- 2023

Cause	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Weather-Related	9				1				44	4
Tree Roots	3	4	1	3	1	1		1	1	1
Water Main Break		4					1		1	
Crushed Line										
Construction Activity	1	1		6		3		2		1
Vandalism		1								
Dirt and Rocks						1				
Grease				1						
Equipment Failure							1			
Customer Debris								2		
Other		1								2
Total # of SSOs	13	11	1	10	2	5	2	5	46	8

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 was completed 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 March 7, 2024. 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 - 2023 CSO SYSTEM IMPROVEMENTS

Below is a list of CSO projects completed in the 2023 year:

TABLE 3-1: CSO CONTROL PROJECTS COMPLETED IN 2023

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

3.2 - 2024 CSO PLANNED IMPROVEMENTS

Below is a list of CSO projects that are planned for 2024 and beyond.

TABLE 3-2: CSO PLANNED IMPROVEMENTS FOR 2024

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

CSO Basins #: N/A

Location: Various City Sanitary Sewer Lines

City Project #: N/A

Description: This project involves CIPP lining of multiple diameters of sanitary sewer lines including large lines (36" or larger). This project will be split into segments targeting inflow & infiltration (I&I) and high river influenced I&I. The project is still being compiled to go out for bid in 2024. More details will be available in next year's report.

Estimated Cost: \$1,300,000 - \$1,700,000

Expected Completion: 2025 – Q3

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 2023, 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 2023, 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: 2023 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 12 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, 2023 rainfall was lower than average for the region with 13.75 inches measured at the Spokane Airport. Some daily records were broken during the year: February 28th – 4.4” snowfall, March 10th – 4.8” snowfall, and August 2023 was the wettest August since 2004 with 0.98” rainfall.

The City Hall rain gauge has been out of service for construction. The City Hall rain gauge is being scheduled to be back online in 2024. The City is also planning to add rain gauges to the Wastewater Collections building and Flett Middle School in 2024.

TABLE 4-3: 2023 PRECIPITATION BY GAUGE BY MONTH (INCHES)

Rain Gauge	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
343	1.71	0.38	1.47	1.31	2.11	0.94	0.04	1.26	0.95	0.42	2.25	3.66
344 [^]	1.98	0.52	1.79	1.32	2.30	0.90	0.38E	1.22P	0.79	0.56	2.12	3.50
Shadle	1.34	0.27	0.76	0.97	1.46	1.17	0.10	1.10	0.55	0.47	1.90	2.81
Hartson [^]	0.00M	0.00M	0.00M	0.96M	1.82	0.94	0.03	1.27	0.89	0.31	1.83	2.92
City Hall [^]	1.39	0.37	1.18M	0.00M	0.00M	0.00M	0.00M	0.00M	0.00M	0.00M	0.00M	0.00M
Rockwood Vista [^]	1.63	0.44	1.43	1.03	1.74	0.93	0.07	1.00	0.78	0.74	2.08	3.63
Station 8 [^]	1.08	0.53	1.02	1.01	2.09	0.98	0.07	1.60P	0.85	0.32	1.80	2.59
West Drive [^]	1.65	0.53	1.60P	1.12	1.34	0.98	0.06	1.07	0.61	0.57	2.04	3.84
Nora & Pettet	0.23E	0.00M	1.20	1.12	1.58	0.90	0.08	1.08	0.59	0.56P	2.06	3.51
Lincoln	1.49	0.39	1.12	1.36	1.79	1.19	0.09	1.47	0.81	0.56P	2.43	3.40
Northeast	1.50M	0.00M	0.10M	1.04	1.92	0.62	0.07	1.37	0.74	0.79	2.08	3.07
Crestline & Hoffman	1.54P	0.38	1.49	1.03	2.56	1.04P	0.08	1.44	0.79	0.63	2.16	3.16
GEG	1.52	0.70	1.11	1.00	1.35	0.86	0.12	0.98	0.43	0.45	1.89	3.34
NWS - Spokane	1.45	0.71	0.81	1.10	2.15	0.94	0.27	1.32	0.90	0.45	1.94	3.37
Felts Field	0.99	0.66	1.01M	1.05	1.54	0.89	0.06	1.42	0.77	0.33	2.00	2.83
Monthly Average*	1.48	0.49	1.22	1.11	1.84	0.94	0.09	1.23	0.75	0.50	2.04	3.26

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.

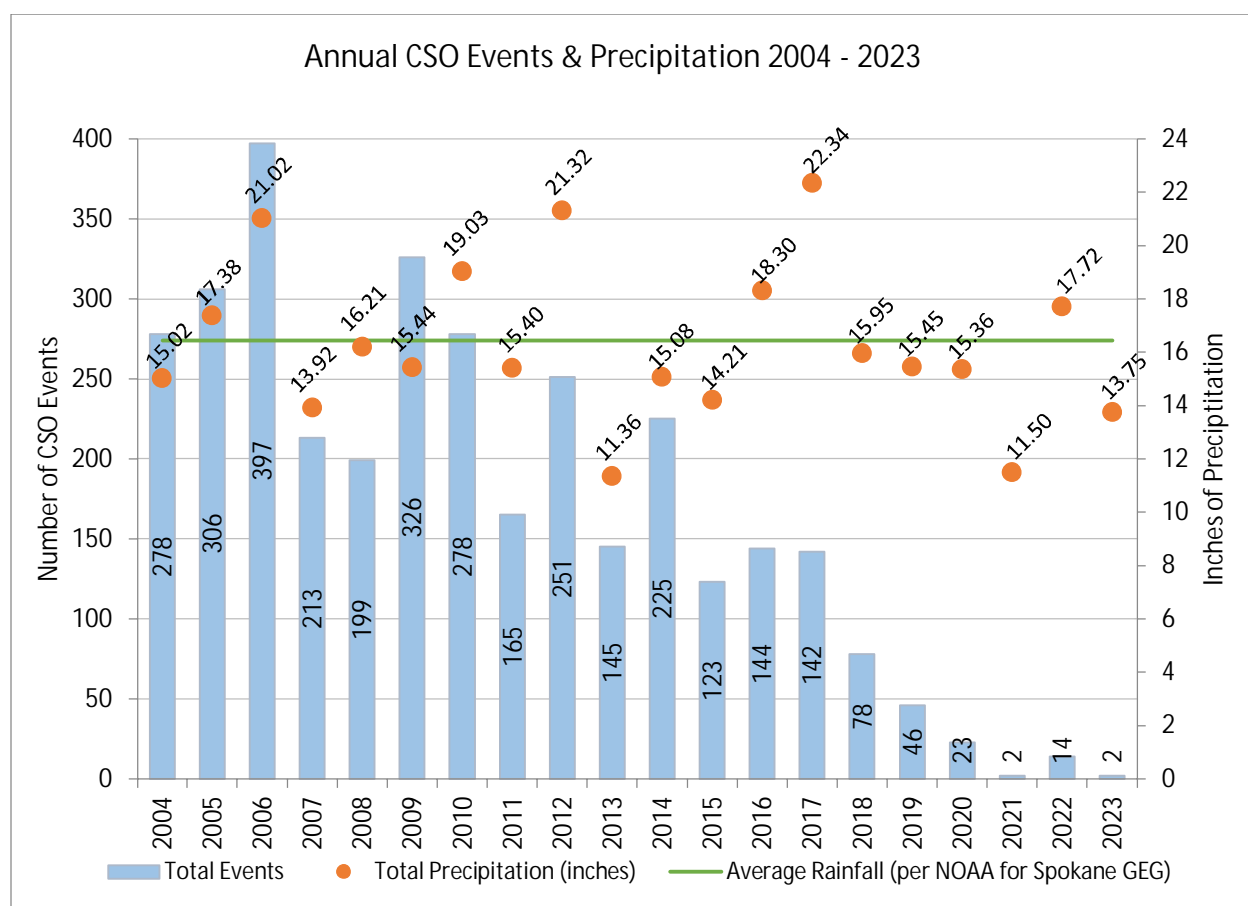
4.3 FLOW MONITORING PROGRAM AND SUMMARY OF RESULTS

During 2023, Spokane’s flow monitoring employees operated and maintained 54 CSO flow monitoring sites, 1 stormwater and CSO sampling site, and 57 other flow monitoring sites for a total of 112 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: 2004 – 2023 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 2023 is shown in Figure 4-6.

FIGURE 4-5: 2004 – 2023 CSO VOLUME & PRECIPITATION

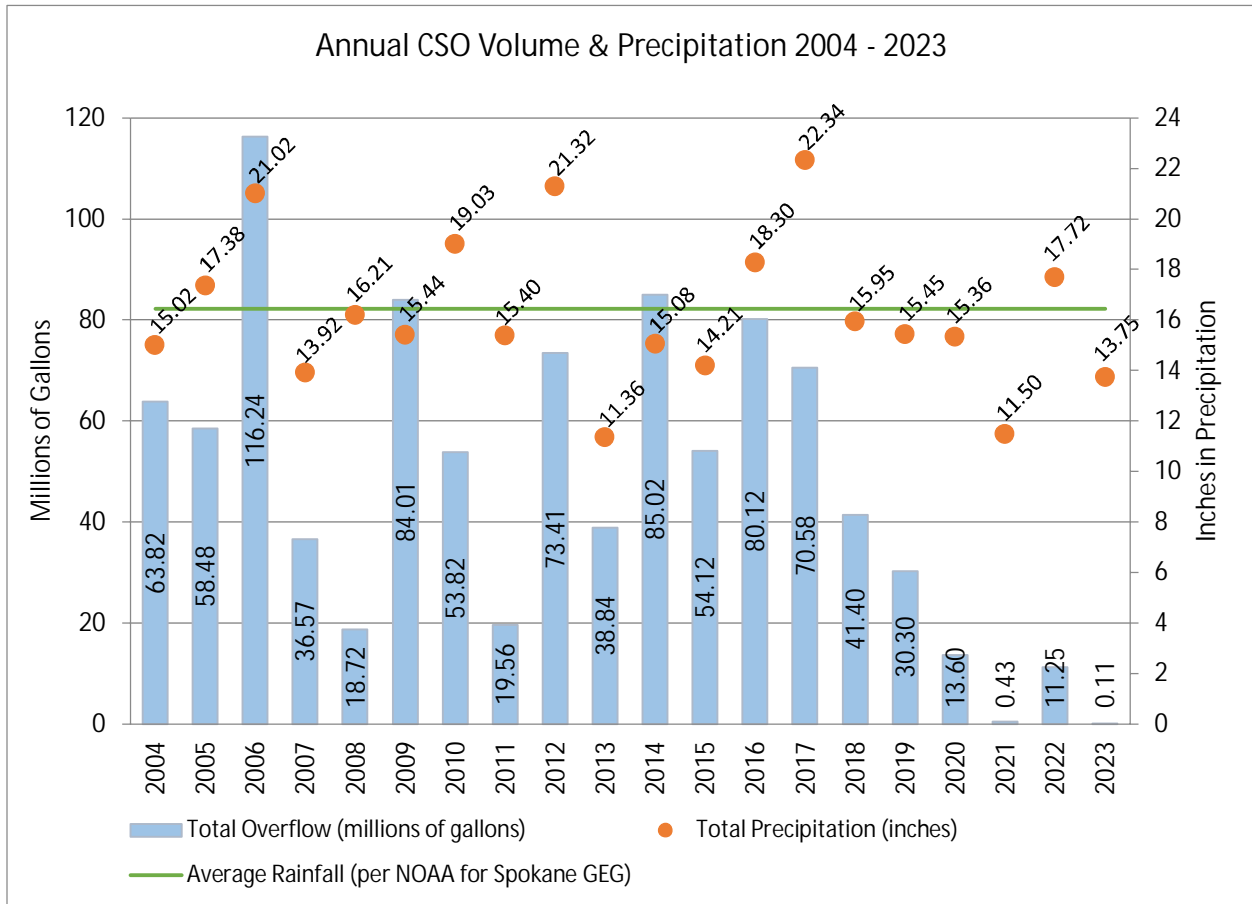
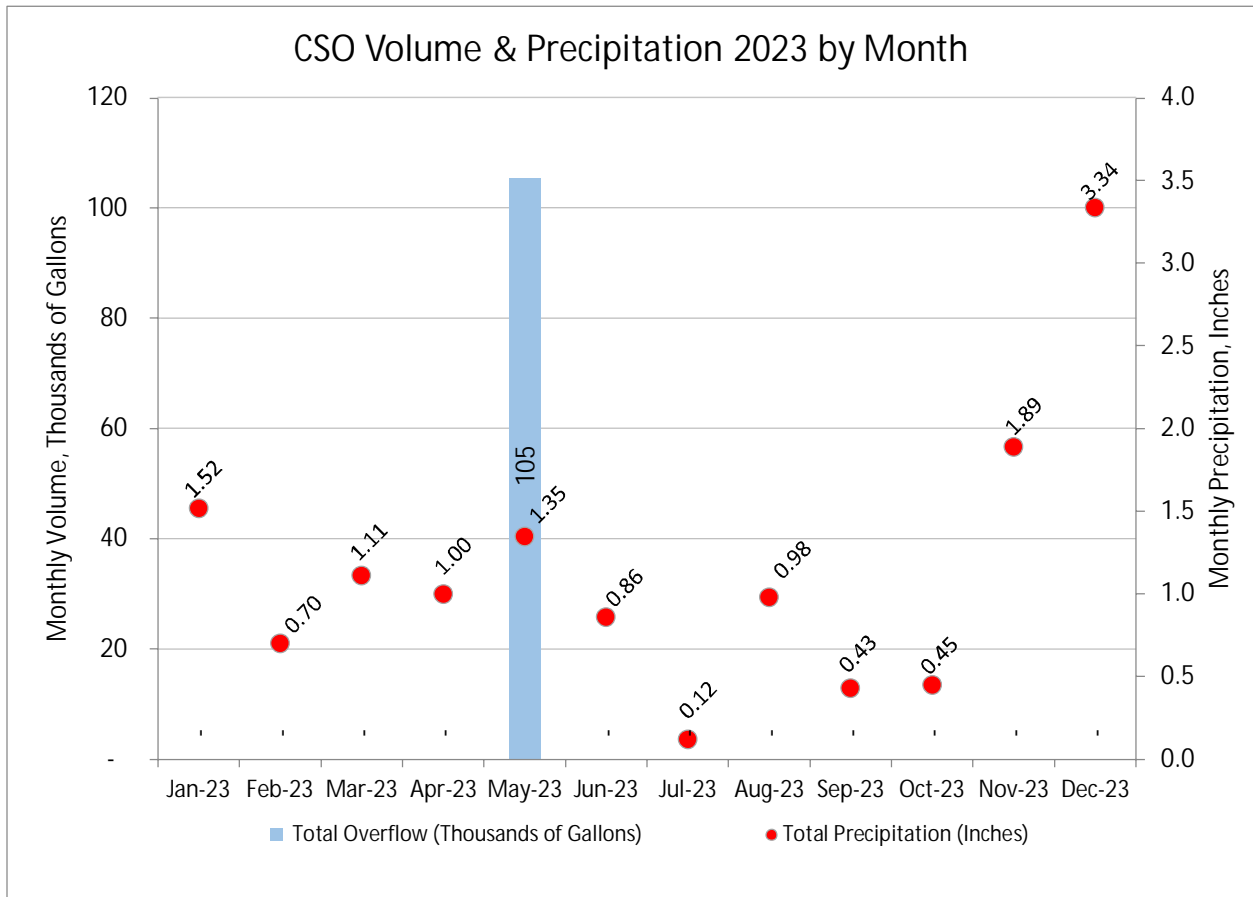


FIGURE 4-6: MONTHLY CSO VOLUMES & PRECIPITATION FOR 2023



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, 2023. It is estimated that a total of 105,374 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 2 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 2023				
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	0	0	0
07	07	0	0	0
10/12	10	0	0	0
10/12	12	0	0	0
14	14	0	0	0
15	15	0	0	0
16	16	0	0	0
19	19	0	0	0
23	23-1	0	0	0
24	24-1	0	0	0
25	25	0	0	0
26	26	0	0	0
33	33-1	0	0	0
	33-2	25,631	1	35
	<i>Total²:</i>	<i>25,631</i>	<i>1</i>	
34	34	79,743	1	100
38	38	0	0	0
41	41	0	0	0
42	42	0	0	0
RPWRF ³	RPWRF ³	0	0	0
TOTAL:		105,374	2	135

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 2023. Chemical totals are N/A pending the CSO Post Construction Monitoring Plan to take effect on January 1, 2024.

TABLE 4-8: 2023 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		<i>There were no Combined Sewer Overflows from regulator 02 during 2023.</i>										
06 [^]		<i>There were no Combined Sewer Overflows from regulator 06 during 2023.</i>										
07		<i>There were no Combined Sewer Overflows from regulator 07 during 2023.</i>										
10		<i>There were no Combined Sewer Overflows from regulator 10 during 2023.</i>										
12 [^]		<i>There were no Combined Sewer Overflows from regulator 12 during 2023.</i>										
14		<i>There were no Combined Sewer Overflows from regulator 14 during 2023.</i>										
15		<i>There were no Combined Sewer Overflows from regulator 15 during 2023.</i>										
16		<i>There were no Combined Sewer Overflows from regulator 16 during 2023.</i>										
19		<i>There were no Combined Sewer Overflows from regulator 19 during 2023.</i>										
23		<i>There were no Combined Sewer Overflows from regulator 23-1 during 2023.</i>										
24 [^]		<i>There were no Combined Sewer Overflows from regulator 24 during 2023.</i>										

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

[^] CSO Sampling locations

TABLE 4-8: 2023 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
25		<i>There were no Combined Sewer Overflows from regulator 25 during 2023.</i>									
26		<i>There were no Combined Sewer Overflows from regulator 26 during 2023.</i>									
33-1 [^]		<i>There were no Combined Sewer Overflows from regulator 33-1 during 2023.</i>									
33-2	5/27/2023	25,631	0.58	51.50	0.65	N/A	N/A	N/A	N/A	N/A	N/A
	<i>Total:</i>	<i>25,631</i>	<i>0.58</i>	<i>51.50</i>	<i>0.65</i>						
33(Total)	<i>Total:</i>	<i>25,631</i>	<i>0.58</i>								
34 [^]	5/27/2023	79,743	1.67	51.50	0.65	N/A	N/A	N/A	N/A	N/A	N/A
	<i>Total:</i>	<i>79,743</i>	<i>1.67</i>	<i>51.50</i>	<i>0.65</i>						
38		<i>There were no Combined Sewer Overflows from regulator 38 during 2023.</i>									
41		<i>There were no Combined Sewer Overflows from regulator 41 during 2023.</i>									
42		<i>There were no Combined Sewer Overflows from regulator 42 during 2023.</i>									
RPWRF		<i>There were no bypasses at RPWRF during 2023.</i>									

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 2023, twelve outfalls are compliant with the 5-year rolling average (CSO 2, 10, 12, 14, 15, 16, 19, 23, 25, 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, 7, 10, 12, 14, 15, 16, 19, 23, 25, 26, 33, 34, 38, 41, and 42), one is having its regulator settings reviewed (CSO 6), and one has plans to bring it into compliance (CSO 24).

TABLE 4-9: SUMMARY OF CSO OUTFALLS AND AVERAGES FOR 2023

CSO OUTFALL	UPSTREAM REGULATOR ID	CSO FREQUENCY IN 2023	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	0	1.20	15.95	1.50	Setting tested. Changes to regulator being considered to allow more downstream flow.
07	07	0	1.40	6.25	1.00	Setting tested. Plans to remove more stormwater flow from basin being considered. Site has been compliant for the last year.
10/12	10	0	0.00	4.25	0.08	None - Site has been compliant for the last 12 years
10/12	12	0	0.80	15.85	0.67	None - Site has been compliant for the last 6 years
14	14	0	0.60	7.30	0.60	None - Site has been compliant for the last 5 years
15	15	0	0.20	3.85	0.20	None - Site has been compliant for the last 5 years
16	16	0	0.00	2.20	0.00	None - Site has been compliant for the last 16 years
19	19	0	0.20	0.30	0.08	None – Site is compliant with 20-year rolling average
23	23-1	0	0.20	8.45	0.20	None - Site has been compliant for the last 5 years
24	24-1	0	2.00	16.40	2.00	Plans are being made to divert more flow to CSO 26 from CSO 24-1. Regulator setting was increased and PLC changes were made so the pumps work more efficiently.
25	25	0	0.20	13.20	0.20	None - Site has been compliant for the last 5 years
26	26	0	7.00	20.60	0.00	None – Site has been complaint for the last 3 years
33	33-1, 33-2	1 ²	1.60	16.25	0.75	None – Site has been compliant for the last 4 years
34	34	1	1.40	14.00	0.75	None - Site has been compliant for the last 4 years
38	38	0	0.00	4.35	0.00	None - Site has been compliant for the last 11 years
41	41	0	0.20	9.20	0.17	None - Site has been compliant for the last 6 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 2019-2023. 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 2004-2023. 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 Combined Sewer Overflow (CSO) regulator structures and prevent combined sewer dry weather overflows (DWO). To accomplish this goal, 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 overflows occur within the same manhole as the active sewer line and have the potential to plug and overflow immediately to the river.

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

AWARENESS AND PREVENTION:

- Wastewater Maintenance Atlas and GIS maps have the CSO regulator basin areas identified by shading and labeling showing the path of immediate impact on the regulator through various maintenance procedures.
- Wastewater Crew member training includes reviewing these designated areas of immediate impact and 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 overflow from all work performed by the contractor.
- Maintenance and Construction procedures have been reviewed to include the feasibility of installing pneumatic plugs and/or sandbags during 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:

For each CSO structure without storage capabilities, visual or remote inspections by a Wastewater Specialist or CSO Instrument Technician shall take place once-a-week throughout the year, 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 lowered where feasible. Remote regular verification of CSO monitoring equipment and telemetry status from Riverside Park Water Reclamation Facility (RPWRF) has been implemented.

Any regulator and/or control device that has been plugged will be the exception to the once-a-week schedule. Plugged CSOs structures shall be checked daily for five working days, and then checked once-a-week for a month, before returning to the regular schedule.

All outfall pipes and downstream banks shall be checked at least annually and after overflows.

All CSO signs shall have their condition checked at least annually and after overflows. If damaged, signs shall be fixed as soon as possible.

Any CSO structure that overflows following the prior week check will have that outfall pipe checked. Downstream banks will be checked for sewage debris and cleaned up.

Routine Tank Inspections:

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 and 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.

CSO Sampling Procedures:

In the case of a precipitation-based overflow, samples of the overflow will be collected at the following CSO structures: 6, 12, 24-1, 33-1, and 34-1

The following procedures will be adhered to when collecting overflow samples:

- Inspect all components of the sampling system to ensure samples were properly collected. Visually inspect the components of the sample structure for damage and/or clogging. If any unusual conditions or inconsistencies were found, log findings in field notes.
- Prepare coolers with ice or ice packs to store the samples at <6 degrees Celsius during transport to the lab.
- Put on appropriate gear for retrieving the samples (e.g. powder free rubber gloves)
- Retrieve the samples.

- Log the temperature of each sample, the date, the time, the CSO #, and the name of the person retrieving the sample on the chain-of-custody (COC) form.
- Transport samples as soon as possible to the laboratory at RPWRF.

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 CSOs will continue during the stage II event.

High River Procedures:

For safety reasons, outfalls and downstream riverbank 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 the affected regulator and/or control device and return it 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.

- Rob Jamison, Radio #326,
- Mal Lund, Radio #330,
- Jim Montague, Radio #350,
- 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 (625-4615) 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 Maintenance and Collection Superintendent, Mike Lowdon or responsible person shall verbally notify **Spokane Regional County Health (SRCH) 8am to 5:00pm 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 uploaded electronically to through the Water Quality Portal under the submittal “Noncompliance Notification (S3.F.c) Written Report Within 5-days” 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 along with a copy of the annually reviewed CSO O&M Plan. (Reference NPDES Permit S14.D.5)

Section 6: FOG Investigations

FOG INVESTIGATIONS

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SEWER MAINTENANCE - SUBMIT THIS FORM TO YOUR SUPERVISOR
SUPERVISOR - SUBMIT FORM TO RPWRF INDUSTRIAL PRETREATMENT PROGRAM
Email: atagnani@spokanecity.org, abarrett@spokanecity.org, thamm@spokanecity.org
Phone: (509) 625-4600

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):	

SEWER MAINTENANCE - SUBMIT THIS FORM TO YOUR SUPERVISOR
SUPERVISOR - SUBMIT FORM TO RPWRF INDUSTRIAL PRETREATMENT PROGRAM
Email: atagnani@spokanecity.org, abarrett@spokanecity.org, thamm@spokanecity.org
Phone: (509) 625-4600

ACTIONS TAKEN TO LOCATE AND RESOLVE PROBLEM:

Several investigations were performed at both Outlaw BBQ, and Fieldhouse pizza. Each business has a regular grease trap maintenance schedule. The manifests were provided by the Managers of both locations.

CONCLUSIONS:

No obvious source of FOG was identified. I will be checking in the next time the line is cleaned to see if the problem persists or if it was a one-off situation.

Hayes, Ivie

From: Barrett, Alissa
Sent: Thursday, August 31, 2023 4:19 PM
To: Spokane GM
Cc: Megan Mason; John Malosh
Subject: RE: Another Flooding Incident

Hi Yvan,

How frustrating! I just got off the phone with our Sewer guys. They said that you should call them the moment you or your staff discover the flooding at 509-625-7900. They will send someone out, even after hours to check it out so we can figure out why this keeps happening.

Since you are seeing these floods during times when the restaurant is closed I think that means there is a problem with your backflow valve. I don't really have any other ideas beyond the list in my May 15 email.

Has your staff found ways to make sure plates are being scraped before washing or other ways to reduce grease going down the drain? This may also be contributing to the problem.

Regards,
Alissa

Alissa Barrett

City of Spokane RPWRF | Pretreatment Chemist



4401 N Aubrey L. White Parkway, Spokane, WA 99205
509-625-4635 | abarrett@spokanecity.org

[City of Spokane Industrial Pretreatment Program](#)

Helping businesses capture pollutants at the source to protect people, wastewater infrastructure, and the environment.

From: Spokane GM <spokane_gm@osf.com>
Sent: Thursday, August 31, 2023 1:59 PM
To: Barrett, Alissa <abarrett@spokanecity.org>
Cc: Megan Mason <MeganM@osf.com>; John Malosh <JohnM@osf.com>
Subject: Another Flooding Incident

[CAUTION - EXTERNAL EMAIL - Verify Sender]

Hello Alissa.

Wanted to inform you of another flooding incident we had the night of Tuesday the 29th and morning of the 30th of August. We walked into the same area being flooded. Looks like it came up through the women's bathroom floor drain. Attached is a picture. Seems obvious that it is related to rain as this was the first significant rainfall we have received all month. Please let me know if you have any new information that could help us with this ongoing situation.

Regards,



Yvan Cabrera

General Manager | The Old Spaghetti Factory

South 152 Monroe | Spokane, WA 99201

P: 509-624-8916 | F: 509-624-6190

spokane_gm@osf.com / www.osf.com

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From: Barrett, Alissa <abarrett@spokanecity.org>

Sent: Monday, May 15, 2023 10:13 AM

To: John Malosh <JohnM@osf.com>; Spokane GM <spokane_gm@osf.com>; Megan Mason <MeganM@osf.com>

Cc: Hamm, Timothy <thamm@spokanecity.org>

Subject: May flooding incident

Good morning John and Yvan,

I'm glad to hear you were able to replace your grease trap. Hopefully that will help alleviate the grease accumulation you are seeing in your lines and what's accumulating in the sewer main. Please make sure you are pumping it out frequently enough to keep your pipes clean.

I heard back from our sewer department and they have not had any other complaints in the area about basements flooding. They also confirmed your theory that if the backflow valve is operating correctly it will stop the flow from leaving your pipes until the pressure on the backside of the valve is reduced.

On the May 4-5th flood the restaurant was closed so there should not have been any flow trying to exit from the building. This makes it sound like the water you were seeing in the basement was likely coming from the sewer main, which means the back flow valve is malfunctioning. It could be something as simple as a chunk of food or a little layer of grease preventing it from closing.

When we visited last month I was surprised how greasy and slippery the floor was. I'm wondering if the set up you have for catching the grease from the cooktop in the bucket could use some improvement. There is no containment around the bucket if it overflows/spills and that would go straight down the drain. As it cools it solidifies and clings to the wall of the pipes or the surfaces of the backflow valve. Also, there was an open bucket of grease next to the trash can, which makes me think that they are carried outside with no lid and likely to slosh as its being transported. If the mess is mopped up and the mop water just gets dumped down the floor drain, the grease would just go straight to your pipes since there is not a grease removal device on the floor drain/or mop sink(if you have one). Once a little bit of grease get stuck to your pipe, it will continue to keep building up in that spot since the grease likes to stick to itself.

I'm not denying the unfortunate fact that stormwater comes from the sewer main back towards your building due to the side sewer pipe sloping towards your building. This most recent incident when there was no kitchen water competing with the storm water flowing towards your building shows something about the back water valve is not working right.

Perhaps a plumbing inspector may be able to come shed more light on the situation than a typical plumber. I'm not really sure. Or an engineer may be able to design another solution.

I wish I had a brilliant solution for you. The least expensive next step would be fastidious grease/solids management. If that doesn't make the back flow valve work reliably, then some internal infrastructure changes may be needed.

Best regards,
Alissa

Alissa Barrett

City of Spokane RPWRF | Pretreatment Chemist



4401 N Aubrey L. White Parkway, Spokane, WA 99205
509-625-4635 | abarrett@spokanecity.org

[City of Spokane Industrial Pretreatment Program](#)

Helping businesses capture pollutants at the source to protect people, wastewater infrastructure, and the environment.

From: John Malosh <JohnM@osf.com>

Sent: Monday, May 8, 2023 11:29 AM

To: Barrett, Alissa <abarrett@spokanecity.org>; Spokane GM <spokane_gm@osf.com>; Megan Mason <MeganM@osf.com>

Cc: Hamm, Timothy <thamm@spokanecity.org>

Subject: RE: FOG site visit summary

[CAUTION - EXTERNAL EMAIL - Verify Sender]

Morning Alissa,

I can probably help with some of these questions, but keep in mind I believe this flooding happened after we closed. See my responses in red below.

Yvan or Megan please correct any of my comments or add your own.



John Malosh

Vice President of Development

715 S Bancroft Street | Suite 300 | Portland, OR 97239

T: 503.225.0433 Ext-331 | F: 503.226.6214

JohnM@osf.com | www.osf.com

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From: Barrett, Alissa <abarrett@spokanecity.org>
Sent: Monday, May 8, 2023 11:12 AM
To: Spokane GM <spokane_gm@osf.com>; John Malosh <JohnM@osf.com>; Megan Mason <MeganM@osf.com>
Cc: Hamm, Timothy <thamm@spokanecity.org>
Subject: RE: FOG site visit summary

Hi Yvan,
I'm so sorry this happened again!

Here are a few thoughts/questions:

- Did your staff make sure the back flow/ back water valve was clean and free of debris before the rain storm? I know inspecting that valve was one of the things we discussed. **The value is not all that easy to access but it was cleaned 6-8 weeks ago when the line was cleared. I don't think it is practical to clean before every potential rain storm.**
- If they wipe the edge/flap of the back flow valve, does grease come off on the towel? **N/A**
- The floor drain that the pasta water drains into. Does that combine with all the other piping upstream of the back flow valve? **Yes, but the pasta cookers were off for the evening when closed and does not use that much water**
- The photos made it look like the water wasn't super dirty. Do you think the back flow valve caused the pasta water from the kitchen to overflow? **No water in the building was running as we were closed**
- Has a plumber come to help trouble shoot this system? I know they came and jetted the lines. Did they have any other thoughts? **Their thought when they did the initial drain scope was that the seen water flowing back into the OSF drain line from the city line. It was a heavy rain day but not enough to flood and they didn't record unfortunately.**
- Could you send me the TV footage from when the lines were camera-ed a few years ago? It may be best to send that as a OneDrive link, if you have that available. Or I can send you a folder you could upload to. (let me know what works for you) **I don't believe we have any recording from a few years ago only the recording I sent a few months ago. I will resend.**
- Do you have any sort of sump pump in the basement? **no**

I will have to check with our sewer department to see if any other buildings in the area are having similar issues.

In the meantime, I would like to see the last 2 years of grease trap maintenance records. Please email me scans or photos, which ever is easier for you.

Thank you,
Alissa

From: Spokane GM <spokane_gm@osf.com>
Sent: Sunday, May 7, 2023 12:39 AM
To: John Malosh <JohnM@osf.com>; Barrett, Alissa <abarrett@spokanecity.org>; Megan Mason <MeganM@osf.com>
Cc: Hamm, Timothy <thamm@spokanecity.org>
Subject: Re: FOG site visit summary

[CAUTION - EXTERNAL EMAIL - Verify Sender]

Hello Alissa. I wanted to inform you about a flooding incident on Thursday night, Friday morning the 5th of May. The overnight rain caused the basement to flood. I have attached pictures of where the water came from. Just wanted to document this while it's still fresh. Curious if other buildings in the area had the same issue. I would be happy to schedule a revisit to see if we can pinpoint the issue. Your anticipated help in this matter is appreciated.

Thank you.

Yvan Cabrera

General Manager / The Old Spaghetti Factory

South 152 Monroe / Spokane, WA 99201

P: 509-624-8916 / F: 509-624-6190

spokane_gm@osf.com / www.osf.com

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From: John Malosh <JohnM@osf.com>

Sent: Thursday, April 13, 2023 4:15 PM

To: Barrett, Alissa <abarrett@spokanecity.org>; Spokane GM <spokane_gm@osf.com>; Megan Mason <MeganM@osf.com>

Cc: Hamm, Timothy <thamm@spokanecity.org>

Subject: Re: FOG site visit summary

Thank you Alissa and Team!

I will let Yvan answer most of your questions. But I can answer a couple.

The back flow valve has not been replaced recently but was cleaned and service in the 4th quarter of last year.

The rains drains do not enter the building drain lines but have a separate drain line at the West end of the building that connects separately and independently into the city system.

thank you,
John

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From: Barrett, Alissa <abarrett@spokanecity.org>

Sent: Thursday, April 13, 2023 3:34:40 PM

To: Spokane GM <spokane_gm@osf.com>; John Malosh <JohnM@osf.com>; Megan Mason <MeganM@osf.com>

Cc: Hamm, Timothy <thamm@spokanecity.org>

Subject: FOG site visit summary

Good day everyone,

Yvan, thank you for your time yesterday! As you requested, here is a summary of what we discussed and some of the materials we provided yesterday. I also have some questions at the bottom.

[Grease Trap Cleaning Log \(spokanecity.org\)](#)

[Fats, Oils, and Grease \(FOG\) Brochure \(spokanecity.org\)](#)

There is also other good info in the FOG section of our [website](#).

We specifically discussed making sure that dishes are scraped into the trash can prior to washing to prevent fats from butter and salad dressing from accumulating in the grease trap or the pipes beyond. The cleaning log above may also be

helpful for tracking cleaning frequency vs issues with the sewer backing up. The photo from a year ago was showing noticeable build up of fat along the water line, but there was also fat deposits all the way up to the top of the pipe that may indicate the line has been severely blocked at some point in the past.

We also wondered how recently the back flow preventer(back water valve) has been replaced. My colleague made the excellent point that debris/build up may be getting stuck in the back flow device, preventing it from fully sealing. We did not open the access hatch in the men's room to inspect it, but regular inspection/cleaning by staff may help prevent an issue like this. Yvan mentioned there hasn't been any issues since the last jet rodding a few months ago.

Something else we noticed while we were there is that used cooking oil from the cook top just goes in 5 gallon buckets that sit out back by the dumpster with no lid. There are vendors in the area that will often set up a free oil collection container and pick up as often as needed. You can find the businesses at

https://spokaneriver.net/wastedirectory/vendors/waste_type/oil-cooking-2

While this is already a separate waste stream from what is going down the drain, it could be a way to improve current practices.

Questions:

What was the grease trap cleaning frequency before it got moved to monthly?

When was the back flow valve last replaced?

Where do the roof drains discharge?

I know with old buildings it can be tricky figuring out what all the pipes are doing, but it may help shed some light on how to help prevent the unfortunate issues you have been experiencing. Yvan, if I missed anything here, feel free to chime in!

I look forward to hearing what you can find out about my questions above.

Regards,
Alissa



Alissa Barrett

City of Spokane RPWRF | Pretreatment Chemist
4401 N Aubrey L. White Parkway, Spokane, WA 99205
509-625-4635 | abarrett@spokanecity.org

[City of Spokane Industrial Pretreatment Program](#)

Helping businesses capture pollutants at the source to protect people, wastewater infrastructure, and the environment.

From: Spokane GM <spokane_gm@osf.com>

Sent: Thursday, April 6, 2023 1:57 PM

To: Barrett, Alissa <abarrett@spokanecity.org>; John Malosh <JohnM@osf.com>; Megan Mason <MeganM@osf.com>

Subject: Re: Pretreatment FOG

[CAUTION - EXTERNAL EMAIL - Verify Sender]

That sounds perfect! Thanks! When you arrive, just give us a call and we will open the door as it will be locked outside of business hours.

Yvan Cabrera

General Manager / The Old Spaghetti Factory

South 152 Monroe / Spokane, WA 99201

P: 509-624-8916 / F: 509-624-6190

spokane_gm@osf.com / www.osf.com

We now offer Catering! Let us bring the party to you! Please call for details.

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error, please notify the sender immediately by email and delete this email from your system.

From: Barrett, Alissa <abarrett@spokanecity.org>

Sent: Thursday, April 6, 2023 1:52:04 PM

To: John Malosh <JohnM@osf.com>; Spokane GM <spokane_gm@osf.com>; Megan Mason <MeganM@osf.com>

Subject: RE: Pretreatment FOG

Good afternoon everyone,

Would Wednesday afternoon, April 12, around 2pm be a good time to drop by?

Or we could schedule out further in April if you prefer.

Alissa



Alissa Barrett

City of Spokane RPWRF | Pretreatment Chemist
4401 N Aubrey L. White Parkway, Spokane, WA 99205
509-625-4635 | abarrett@spokanecity.org

[City of Spokane Industrial Pretreatment Program](#)

Helping businesses capture pollutants at the source to protect people, wastewater infrastructure, and the environment.

From: John Malosh <JohnM@osf.com>

Sent: Thursday, April 6, 2023 9:14 AM

To: Barrett, Alissa <abarrett@spokanecity.org>; Spokane GM <spokane_gm@osf.com>; Megan Mason <MeganM@osf.com>

Cc: Lund, Malfred <mlund@spokanecity.org>; Bentley, Tony <tbentley@spokanecity.org>

Subject: RE: Pretreatment FOG

[CAUTION - EXTERNAL EMAIL - Verify Sender]

Morning Alissa,

Sorry for the delay. We would love to have your team come and discuss best practices. I have included the General Manager, Yvan, on this email as he would be your direct contact.

Thank you,

John



John Malosh
Vice President of Development
715 S Bancroft Street | Suite 300 | Portland, OR 97239
T: 503.225.0433 Ext-331 | F: 503.226.6214
JohnM@osf.com | www.osf.com

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From: Barrett, Alissa <abarrett@spokanecity.org>
Sent: Monday, March 27, 2023 9:24 AM
To: John Malosh <JohnM@osf.com>
Cc: Lund, Malfred <mlund@spokanecity.org>; Bentley, Tony <tbentley@spokanecity.org>
Subject: Pretreatment FOG

Good morning John,
I hear you have been chatting with the guys at sewer about some issues with water backing up and were interested in having the pretreatment department come visit your facility and provide some best management practices. I'm still fighting a cold this week, so would it work to schedule a meeting sometime in early April?

I didn't want you to think you had been forgotten, I've just been out of the office the last few days. Email is a great way to get in touch with me, but my phone number is also available in my email signature if you need it.

Regards,
Alissa



Alissa Barrett

City of Spokane RPWRF | Pretreatment Chemist
4401 N Aubrey L. White Parkway, Spokane, WA 99205
509-625-4635 | abarrett@spokanecity.org

[City of Spokane Industrial Pretreatment Program](#)

Helping businesses capture pollutants at the source to protect people, wastewater infrastructure, and the environment.

SEWER MAINTENANCE - SUBMIT THIS FORM TO YOUR SUPERVISOR
 SUPERVISOR - SUBMIT FORM TO RPWRF INDUSTRIAL PRETREATMENT PROGRAM
 Email: atagnani@spokanecity.org, abarrett@spokanecity.org, thamm@spokanecity.org
 Phone: (509) 625-4600

Wastewater Discharge Investigation Request
Employee reporting problem:
Contact e-mail / phone: 509-625-7900
Supervisor: Mal Lund
Date and time: 4/26/2023
SR#:
Location (manhole # and closest intersection - attach map and photos if possible)
Sewer Line on Riverside Lincoln To Post
Observation(s) - sight, smell, people, processes, or environment
Grease in sewer line
Clean up required (materials, man hours & employee names)
Not at this time
Any interactions with business owner
none
Can you identify source of problem? Please list.
Grease coming from tap at 266 feet west of Lincoln for address 821 W Riverside
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600
N
Pretreatment Office only
Request Received on: 5/1/23
Received by: Alissa Barrett
Request #:
Final Report sent date (send all info. to employee and supervisor): 12/6/23
ACTIONS TAKEN TO LOCATE AND RESOLVE PROBLEM:
Inspection, follow up emails to main company email, warning letter for not sending requested records, GM emailed records for 2x/year pump out (Aug '23)
CONCLUSIONS:
Some of the pump outs were skipped in 2022 which may have lead to the grease discharge. New regulations require more frequent cleaning and should resolve problem if followed.



RIVERSIDE PARK
WATER RECLAMATION FACILITY
4401 N. AUBREY L. WHITE PARKWAY
SPOKANE, WASHINGTON 99205-3939
509.625.4600
FAX 509.625.4605

Notice of Violation for Significant Non-Compliance

May 11, 2023,

Jennifer Burns
DeLeon's Foods
102 E Francis Ave
Spokane, WA 99208

Ms. Burns:

This letter is written to formally notify you that City of Spokane has found an occurrence of Significant Non-Compliance with the city's pretreatment program.

The definition of Significant Non-Compliance (SNC) in Spokane Municipal Code (SMC) 13.03A.0801B states:

The term 'significant noncompliance' in this case means:

Any violation of a pretreatment standard or requirement, including numerical limits, narrative standards, and prohibitions that the Plant Manager determines has caused, alone or in combination with other causes, interference or pass through, or otherwise endangered the health of POTW personnel or the general public.

On April 7, 2023, a work crew from the City of Spokane Sewer Maintenance team performed a scheduled inspection of the run of sewer line leading from DeLeon's foods. The line was found to be completely obstructed by FOG material (fat, oil and grease) from DeLeon's.

Representatives from the Pretreatment Program held a Compliance Meeting with Manager Jennifer Burns of DeLeon's Foods on April 26, 2023. It was determined from this meeting that DeLeon's has been proactive in ensuring that the grease traps were serviced on a frequent (monthly) basis. Pumping manifests reflecting this were provided at that time. It was further determined that a new grease trap was in the process of being installed.

Consequences for an industry that is found to be in Significant Non-Compliance with terms of its permit:

SMC 13.03A.0801.A states:

'Publishing: The plant manager publishes within sixty days of the new year a list of the users which, at any time during the previous calendar year, were in significant noncompliance with applicable pretreatment standards and requirements.'

The list is published in a newspaper of general circulation in Spokane County. Costs of publication will be billed to the users listed as an additional cost of utility service.”

This Significant Non-Compliance violation will be published in 2024.

Corrective Action:

DeLeon's Foods is currently replacing the grease trap that was at issue in this incident. As such, there will be no further action required from DeLeon's in this matter. DeLeon's will need to ensure monthly pump-out is still an adequate maintenance schedule for the new grease trap.

Upon completion of installation of the new grease trap, DeLeon's will contact the City of Spokane Sewer Maintenance Department at (509) 625-7900 to ensure that the City of Spokane will inspect the new grease trap upon installation to ensure that it is installed correctly.

No monetary penalty will be assessed at this time.

Administrative Penalties

The goal of the City's Industrial Pretreatment Program is to achieve continuing compliance with Program requirements in a fair and equitable manner. The City will make consistent and persistent efforts to obtain compliance. Three of the main tenets that guide implementation are:

1. All instances of Non-Compliance are subject to formal enforcement action.
2. Continuing or repeated violations will result in escalation of enforcement responses.
3. The violator is responsible for developing necessary compliance measures and implementing them.

Failure to implement corrective actions as specified above will result in administrative penalties as provided in SMC 13.03A and may also include Judicial and Supplemental Remedies as available under the law.

This action may be appealed using procedures provided in SMC 13.03A.0904 **Administrative Appeals**.

If you have questions or comments about the actions listed above, please call Angela Tagnani, Pretreatment Supervisor at 625-4620.

Sincerely,



Raylene Gennett, Wastewater Director

cc: RPWRF Pretreatment files.

SEWER MAINTENANCE - SUBMIT THIS FORM TO YOUR SUPERVISOR
 SUPERVISOR - SUBMIT FORM TO RPWRF INDUSTRIAL PRETREATMENT PROGRAM
 Email: atagnani@spokanecity.org, abarrett@spokanecity.org, thamm@spokanecity.org
 Phone: (509) 625-4600

Wastewater Discharge Investigation Request
Employee reporting problem:
Contact e-mail / phone: 509-625-7900
Supervisor: Mal Lund
Date and time: 5/18/2023
SR#:
Location (manhole # and closest intersection - attach map and photos if possible)
Alley sewer east of Atlantic 'Rockwell to Atlantic
Observation(s) - sight, smell, people, processes, or environment
Grease coming from Casa De Oro side sewer tap observed during TV inspection
Clean up required (materials, man hours & employee names)
This line is on our monthly degrease list.
Any interactions with business owner
No
Can you identify source of problem? Please list.
Picture of side sewer tap attached to email
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600
N
Pretreatment Office only
Request Received on: 6/21/2023
Received by: Harper Havko
Request #:
Final Report sent date (send all info. to employee and supervisor):
ACTIONS TAKEN TO LOCATE AND RESOLVE PROBLEM:
Harper Havko and Tim Hamm performed a site visit on July 26, 2023 and followed-up with an enforment letter. The letter was sent to an incorrect address. Anot letter was sent to the correct address on July 13, 2024 requiring a response within 30 days. So far, no response has been received.
CONCLUSIONS:

SEWER MAINTENANCE - SUBMIT THIS FORM TO YOUR SUPERVISOR
SUPERVISOR - SUBMIT FORM TO RPWRF INDUSTRIAL PRETREATMENT PROGRAM
Email: atagnani@spokanecity.org, abarrett@spokanecity.org, thamm@spokanecity.org
Phone: (509) 625-4600

Wastewater Discharge Investigation Request	
Employee reporting problem: Dave Hanshaw	
Contact e-mail / phone: 509-625-7900	
Supervisor: Mal Lund	
Date and time: 8/17/2023	
SR#:	
Location (manhole # and closest intersection - attach map and photos if possible)	
Grace & Haven to Manhole East	
Observation(s) - sight, smell, people, processes, or environment	
Grease from Market street pizza	
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.	
Market Street Pizza 2721 N Market Repeat Issue last turned in on 2-25-2022	
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600	
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:	
CONCLUSIONS:	



CITY OF SPOKANE
RIVERSIDE PARK
WATER RECLAMATION FACILITY
4401 N. AUBREY L. WHITE PARKWAY
SPOKANE, WASHINGTON 99205-3939
509.625.4600
FAX 509.625.4605

August 17, 2023

Nathen Rempfler, General Manger
Speedco
10916 W. Westbow Ln.
Spokane WA 99224

Notice of Violation for Significant Non-Compliance

Mr. Rempfler:

This letter is written to formally notify you that City of Spokane has found an occurrence of Significant Non-Compliance with the wastewater discharge from the Speedco facility located at 10916 W Westbow Lane during the month of May 2023.

The definition of Significant Non-Compliance (SNC) in Spokane County Code (SCC) 8.03A.0801B states:

'The term 'significantnoncompliance' means:

- 1. Any violation of a pretreatment standard or requirement, including numerical limits, narrative standards, and prohibitions, that the Director determines has caused, alone or in combination with other causes, interference or pass through, or otherwise endangered the health of POTW personnel or the general public...*
- 3. Any violations), including of BMPs, which the Director determines will adversely affect the operation or implementation of the local pretreatment program."*

City staff reported an accumulation of an oily substance at the Hayford lift station on May 2. After a site visit, the City found that Speedco was not operating or maintaining the oil water separator (OWS) properly. Speedco's discharge caused interference with the lift station by discharging used oil from the OWS to the sanitary sewer. The discharge is a violation of the Prohibited Discharge Standards found in SCC 8.03A.0201.B.7:

'Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin, in amounts that will cause obstruction of the POTW, interference, or pass through.'

Speedco also failed to implement the required Best Management Practice for Auto Repair Shops:

*"Where installed, all grease interceptors, oil/ water separators, and sand traps shall be maintained by the owner, at his or her expense and liability, in good order and condition at all times P
SCC 8.03.5080*

Speedco was previously cited for oil discharges to the Hayford Lift Station in 2021. A fine and a Notice of Violation for Significant Non-Compliance were issued. Speedco responded and provided the City with procedures that would be followed to prevent future oil discharges to the sanitary sewer. The procedures outlined at that time, including a Love's OWS training video, were not followed.

Consequences for an industry that is found to be in Significant Non-Compliance:

SCC 8.03A.0801.A states:

"Publishing: The Director publishes annually a list of the users which, at any time during the previous calendar year, were in significant noncompliance with applicable pretreatment standards and requirements. The list is published in a newspaper of general circulation in Spokane County. Costs of publication will be billed to the users."

This Significant Non-Compliance violation will be published in 2024.

Required Corrective Actions:

1. Oil is not allowed in the sewer. The outlet valve on the OWS must be closed whenever oil is present in any part of the third chamber of the OWS.
2. Oil-only absorbent pads will be added to the third chamber to ensure any oil is prevented from entering the sewer. The pad will be replaced when it becomes more than 50% soiled.
3. Speedco will always ensure proper operation and maintenance of the oil water separator system. This includes keeping it adequately full of water so the cylindrical skimmer is partially submerged.
4. Speedco will comply with any requests or inspections (announced or unannounced) by the City.
5. Speedco will, within 14 days from the date of this Notice, coordinate a date with the City of Spokane for a compliance meeting. (Details below)
6. Speedco will pay a fine of \$8065. Speedco will receive an invoice from the City. Payment must be made by the due date listed on the invoice.

To schedule a date and time for the compliance meeting, please contact Alissa Barrett at abarrett@spokanecity.org. The compliance meeting will be held in person at Speedco so that equipment and maintenance procedures can be more easily demonstrated and discussed. Both a Love's environmental representative and Nathen must be present at the compliance meeting. Questions for this meeting are attached to this letter.

Administrative Penalties

The goal of the City's Industrial Pretreatment Program is to achieve continuing compliance with Program requirements in a fair and equitable manner. The City will make consistent and persistent efforts to obtain compliance. Three of the main tenets that guide implementation are:

1. All instances of Non-Compliance are subject to formal enforcement action.
2. Continuing or repeated violations will result in escalation of enforcement responses, up to and including termination of discharge from the OWS.
3. The violator is responsible for developing necessary compliance measures and implementing them.

Failure to implement corrective actions as specified above will result in administrative penalties as provided in SCC 8.03A and may also include Judicial and Supplemental Remedies as available under the law.

This action may be appealed using procedures provided in SCC 8.03A.0904 **Administrative Appeals**.

If you have questions or comments about the actions listed above, please call Angela Tagnani, Pretreatment Supervisor at (509) 625-4620.

Sincerely,



Raylene Gennett, Wastewater Director

Enclosure: Inspection observations and questions

cc: Jesse Diaz, Environmental Manager, Love's;
Zach Moore, Environmental Divisional Manager, Love's;
Vijay Kubsad, Department of Ecology;
Andy Maher, Department of Ecology;
RPWRF Pretreatment files.

CITY OF SPOKANE

Inspection observations that may have contributed to the discharge and questions to answer at the compliance meeting:

1. Oil was present in the third chamber of the OWS. How are the OWS checks being done? What can be done differently to make them more effective? What is the current response if oil is found?
2. Nathen initialed that he inspected the OWS on a day that he wasn't at work. Who else has been trained to properly check the OWS function? How can we improve inspection quality and documentation?
3. The oil-water sump is often left open and has been used for inappropriate dumping of used oil. Is there a way to limit employee access to this sump?
4. Dirty coalescing plates sat alongside the OWS. Are these cleaned/replaced often enough for them to be effective? If you don't know please check with the manufacturer before the meeting.
5. There is usually oil all over the floor in the back rooms. The oil filter collection area and oil tanks area both have floor drains. Are building plans/schematics available to show the floor drain goes to the sump? Or has a tracing dye test been done?
6. Could secondary containment or level alarms prevent oil from going all over the floor in these two areas?
7. The HOH OWS website says the max flow rate is 300 gpm. What is the flow rate for each of the pumps that transfer oily water to the OWS?
8. How will you prevent oil from entering the sewer in the future?

CITY OF SPOKANE

SEWER MAINTENANCE - SUBMIT THIS FORM TO YOUR SUPERVISOR
SUPERVISOR - SUBMIT FORM TO RPWRF INDUSTRIAL PRETREATMENT PROGRAM
Email: atagnani@spokanecity.org, abarrett@spokanecity.org, thamm@spokanecity.org
Phone: (509) 625-4600

Wastewater Discharge Investigation Request	
Employee reporting problem: Ron Layman	
Contact e-mail / phone: 509-625-7900	
Supervisor: Mal Lund	
Date and time: 12/14/2023	
SR#:	
Location (manhole # and closest intersection - attach map and photos if possible)	
Hilton East of Flint to Flint	
Observation(s) - sight, smell, people, processes, or environment	
Grease from Rusty Moose	
Clean up required (materials, man hours & employee names)	
Found during routine maintenance Sewer main was last cleaned on 11-13-2023	
Any interactions with business owner	
No	
Can you identify source of problem? Please list.	
Rusty Moose 9105 West Hwy 2	
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600	
N	
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:	
As of yet, no action has been taken. An educational visit is planned within the first quarter of 2024.	
CONCLUSIONS:	

SEWER MAINTENANCE - SUBMIT THIS FORM TO YOUR SUPERVISOR
SUPERVISOR - SUBMIT FORM TO RPWRF INDUSTRIAL PRETREATMENT PROGRAM
Email: atagnani@spokanecity.org, abarrett@spokanecity.org, thamm@spokanecity.org
Phone: (509) 625-4600

Wastewater Discharge Investigation Request	
Employee reporting problem: Ron Layman	
Contact e-mail / phone: 509-625-7900	
Supervisor: Mal Lund	
Date and time: 12/20/2023	
SR#: W/O 59074	
Location (manhole # and closest intersection - attach map and photos if possible)	
Sewer Main Riverside Lincoln to Post	
Observation(s) - sight, smell, people, processes, or environment	
Grease in sewer Line Last inspected for grease issues on 4-26-2023	
Clean up required (materials, man hours & employee names)	
See Workorder # 59074	
Any interactions with business owner	
No	
Can you identify source of problem? Please list.	
Grease coming from tap at 266 feet west of Lincoln for address 821 W Riverside	
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600	
No	
Pretreatment Office only	
Request Received on: 12/20/2023	
Received by: Alissa	
Request #:	
Final Report sent date (send all info. to employee and supervisor):	
ACTIONS TAKEN TO LOCATE AND RESOLVE PROBLEM:	
Updated BMPs provided 12/6/23. Notified of new grease issue 1/5/24. Pump out records due 2/21/24. Enforcement will escalate to warning letter if no response.	
CONCLUSIONS:	
User not charged for cleaning since regulations just got updated 10/5/2023 to require cleaning every 30 days.	

Section 7: CSO Maintenance Records

CSO MAINTENANCE RECORDS



WEIR INSPECTION DETAILED SUMMARY REPORT - 2023

Protecting the Spokane River



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Summary – Overflows Checked:

CSO	Date of Overflow	Date Checked	Work Order	Report Referenced	Report Page
33-2	12/27/2022	5/30/2023	55721	Weir Check Events Noncyclic	64
34-1	6/5/2022	5/30/2023	55714	Weir Check Events Noncyclic	65

Summary – Yearly Tank Checks:

CSO	Date Checked	Work Order	Report Referenced	Page
2/3	6/13/2023	50405	Weir Check Tank	12
6	6/29/2023	50502	Weir Check Tank	13
7	6/5/2023	50270	Weir Check Tank	14
10	7/10/2023	50532	Weir Check Tank	15
12	6/13/2023	50466	Weir Check Tank	16
16	7/3/2023	50470	Weir Check Tank	17
23-1	7/3/2023	50423	Weir Check Tank	18
23-2	6/22/2023	50421	Weir Check Tank	19
24-1	6/7/2023	50391	Weir Check Tank	20
24-2	6/21/2023	50556	Weir Check Tank	21
24-3	6/2/2023	50555	Weir Check Tank	22
25	6/14/2023	50333	Weir Check Tank	23
26	6/21/2023	50393	Weir Check Tank	24
33-1	6/29/2023	50479	Weir Check Tank	25
33-2	6/27/2023	50593	Weir Check Tank	26
34-1	7/11/2023	50511	Weir Check Tank	27
34-2	6/6/2023	50698	Weir Check Tank	28
34-3	7/7/2023	50667	Weir Check Tank	29
38-1	6/30/2023	50431	Weir Check Tank	30
38-2	6/30/2023	50429	Weir Check Tank	31
38-3	6/8/2023	50335	Weir Check Tank	32
41	6/12/2023	50396	Weir Check Tank	33
42	7/7/2023	50534	Weir Check Tank	11
I-03	7/5/2023	50546	Weir Check Tank	34
I-04	7/3/2023	50656	Weir Check Tank	35
I-07	7/12/2023	50563	Weir Check Tank	36

Weir Check Sign Report

Weir Sign Check Report for 2023

CSO	Location	Work Order #	Inspection Date	Comments	WEIR SIGN CONDITION
for CSO #10	*** Check what is a CSO sign south side of parking area.	53097	1/24/2023 9:45:57 AM		Satisfactory
		53548	2/21/2023 11:23:42 AM	Overflow sign is missing due to construction	Damaged
		54025	3/21/2023 1:32:08 PM	Cso over flow sign missing due to construction.	Satisfactory
		54494	4/18/2023 11:37:02 AM	What is a cso sign missing due to construction.	Satisfactory
		54983	5/17/2023 11:20:25 AM		Satisfactory
		55548	6/13/2023 9:15:54 AM	Cso overflow sign has been removed due to construction	Satisfactory
		55997	7/11/2023 9:00:14 AM		Satisfactory
		56447	8/9/2023 8:45:54 AM		Satisfactory
		56966	9/5/2023 9:15:56 AM	Overflow sign missing due to construction.	Satisfactory
		57312	10/3/2023 9:00:54 AM	Sign missing at this time. Need to reinstall with new post near new kiosk on West side of Downriver Park.	Missing
		57823	10/31/2023 9:20:20 AM		Satisfactory
		58277	11/28/2023 8:55:30 AM	New base installed. No sign yet.	Missing
		58697	12/26/2023 8:50:04 AM		Satisfactory

Weir Sign Check Report for 2023

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.	53098	1/24/2023 10:00:34 AM		Satisfactory
		53549	2/21/2023 11:31:26 AM		Satisfactory
		54026	3/21/2023 2:00:03 PM		Satisfactory
		54499	4/18/2023 11:26:37 AM		Satisfactory
		54982	5/17/2023 11:15:03 AM		Satisfactory
		55549	6/13/2023 12:00:00 PM		Satisfactory
		56031	7/11/2023 8:55:16 AM		Satisfactory
		56449	8/9/2023 8:55:31 AM		Satisfactory
		56964	9/5/2023 9:22:33 AM		Satisfactory
		57314	10/3/2023 8:55:10 AM		Satisfactory
		57825	10/31/2023 9:30:35 AM		Satisfactory
		58279	11/28/2023 8:50:44 AM		Satisfactory
		58696	12/26/2023 8:40:33 AM		Satisfactory

Weir Sign Check Report for 2023

CSO	Location	Work Order #	Inspection Date	Comments	WEIR SIGN CONDITION
For CSO #22	*** Check what is a CSO sign at end of Water Ave.	53093	1/24/2023 8:25:19 AM		Satisfactory
		53546	2/21/2023 9:19:33 AM		Satisfactory
		54013	3/21/2023 8:35:33 AM		Satisfactory
		54480	4/18/2023 9:20:34 AM		Satisfactory
		54972	5/16/2023 9:10:59 AM		Satisfactory
		55505	6/13/2023 12:00:00 PM		Satisfactory
		56032	7/11/2023 8:25:34 AM		Satisfactory
		56446	8/9/2023 9:10:00 AM		Satisfactory
		56962	9/5/2023 10:21:49 AM		Satisfactory
		57323	10/3/2023 8:40:42 AM		Satisfactory
		57820	10/31/2023 9:00:15 AM		Satisfactory
		58281	11/28/2023 8:40:03 AM		Satisfactory
		58695	12/26/2023 8:10:58 AM		Satisfactory

Weir Sign Check Report for 2023

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.	53095	1/24/2023 8:20:28 AM		Satisfactory
		53545	2/21/2023 9:12:23 AM		Satisfactory
		54012	3/21/2023 8:27:50 AM		Satisfactory
		54479	4/18/2023 9:11:30 AM		Satisfactory
		54969	5/16/2023 9:06:39 AM		Satisfactory
		55504	6/13/2023 8:28:13 AM		Satisfactory
		55994	7/11/2023 8:15:19 AM		Satisfactory
		56445	8/9/2023 9:00:10 AM		Satisfactory
		56961	9/5/2023 10:17:21 AM		Satisfactory
		57322	10/3/2023 8:30:19 AM		Satisfactory
		57822	10/31/2023 8:55:48 AM		Satisfactory
		58276	11/28/2023 8:35:26 AM		Satisfactory
		58694	12/26/2023 8:08:29 AM		Satisfactory

Weir Sign Check Report for 2023

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.	53099	1/24/2023 10:30:51 AM	Need a new laminated sign next visit. Current sign has tear.	Satisfactory
		53550	2/21/2023 12:05:17 PM		Satisfactory
		54028	3/21/2023 9:12:34 AM		Satisfactory
		54485	4/18/2023 1:26:29 PM		Satisfactory
		54985	5/18/2023 10:30:13 AM	Sign okay.	Satisfactory
		55562	6/13/2023 8:10:00 AM		Satisfactory
		55992	7/11/2023 9:45:44 AM		Satisfactory
		56450	8/9/2023 8:00:47 AM		Satisfactory
		56963	9/5/2023 10:45:28 AM		Satisfactory
		57326	10/3/2023 9:50:45 AM		Satisfactory
		57826	10/31/2023 10:48:44 AM	All checks complete.	Satisfactory
		58280	11/28/2023 10:10:04 AM		Satisfactory
		58693	12/26/2023 10:00:55 AM	Final ELM put on this work order.	Satisfactory

Weir Sign Check Report for 2023

CSO	Location	Work Order #	Inspection Date	Comments	WEIR SIGN CONDITION
Plese Flats	*** Check what is a CSO sign at Plese Flats.	54500	3/21/2023 3:00:50 PM	Installed a what is a cso sign on kiosk at Plese Flats.	Satisfactory
		54524	4/18/2023 2:03:35 PM	Satisfactory	Satisfactory
		54993	5/17/2023 12:15:20 PM		Satisfactory
		55547	6/13/2023 9:31:54 AM		Satisfactory
		55998	7/11/2023 9:15:45 AM		Satisfactory
		56448	8/9/2023 8:25:25 AM		Satisfactory
		56965	9/5/2023 9:44:49 AM		Satisfactory
		57319	10/3/2023 9:18:37 AM		Satisfactory
		57824	10/31/2023 10:15:52 AM		Satisfactory
		58278	11/28/2023 9:10:19 AM		Satisfactory
		58692	12/26/2023 9:25:41 AM		Satisfactory

Weir Check Tank Report

Tank Weir Check Report for 2023

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #42 - Surro & Waterworks	50534	7/7/2023 12:00:11 PM	FOG found in FCC in the channel. We will report the findings to Treatment Lab as they want to know if ALSCO may be adding to the problem. Washed down the FCC to break free the FOG and debris in the channel.	A	CLEAN	N/A	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50405	6/13/2023 3:00:38 PM	3C vault has some debris. Outfall pipe needs some limbs removed.	N/A	N/A	N/A	NO FLOW	N/A	DRY

Tank Weir Check Report for 2023

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	50502	6/29/2023 9:45:00 AM	Removed weeds, dirt and rocks and graffiti from ventilation intake and exhaust enclosures along hill side. Picked up garbage from along trails and CSO footprint.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50270	6/5/2023 10:00:35 AM	All yearly checks ok.	A	N/A	N/A	NO FLOW	N/A	DRY

Tank Weir Check Report for 2023

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #10- NETTLETON @ BUCKEYE	50532	7/10/2023 11:30:37 AM	All checks complete. Tank okay.	A	CLEAN	N/A	NO FLOW	CLEAN	OVERCAST

Tank Weir Check Report for 2023

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	50466	6/13/2023 11:30:44 AM	All checks complete. Outfall pipe has degraded further after high river level. Need to return for limb removal around outfall sign.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50470	7/3/2023 11:30:00 AM	Backflow preventer heat tape on while checking while outside temperatures were 75 degrees. All checks complete.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50423	7/3/2023 10:15:00 AM	Outfall pipe not visible. Removed several limbs from around outfall sign. All checks complete.	A	N/A	N/A	NO FLOW	N/A	DRY

Tank Weir Check Report for 2023

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 -	50421	6/22/2023 9:30:12 AM	All yearly checks ok	A	N/A	N/A	NO FLOW	N/A	DRY

Tank Weir Check Report for 2023

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	50391	6/7/2023 3:15:00 PM	Flush tank #1 required upper hinges loosened so hooks would engage fully. #2 tank found missing sealer between door frame and wall cut-out on lower right-hand section eight inches long; requires replacement sealer will check with Duane Studer. CTI found with three inches of debris; removed debris from channel and from around electro-slide. Emergency lighting known to not work and being evaluated by city electrician.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50556	6/21/2023 11:30:02 AM	All yearly checks ok.	N/A	N/A	N/A	NO FLOW	N/A	OVERCAST

Tank Weir Check Report for 2023

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	50555	6/12/2023 11:15:34 PM	Filled and flushed tanks. Washed down control vault. Adjusted odor control unit drainage and need to modify further.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #25 Main	50333	6/14/2023 9:00:31 AM	All yearly checks ok	A	N/A	N/A	NO FLOW	N/A	DRY

Tank Weir Check Report for 2023

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	50393	6/21/2023 10:30:27 AM	Electro slide is set stadic pending repair.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50479	6/29/2023 3:30:42 PM	Annual inspection complete. Sump cleaned out but #2 flushway needs cleaned and downstream line requires further cleaning.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50593	6/27/2023 9:00:58 AM	All yearly checks ok	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50511	7/11/2023 3:30:03 PM	Flush tanks had debris. Filled and flushed tanks, cleaned sump. All checks complete.	A	NEEDS CLEANING	OK	NO FLOW	NEEDS CLEANING	DRY

Tank Weir Check Report for 2023

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	50698	6/6/2023 9:00:16 AM	Yearly tank inspections. Flush gate #1 has air in hydraulic line. will work on repair. All other yearly checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50667	7/7/2023 10:00:13 AM	Cleaned off flush gates, entered to wash debris from sump and check valves. Odor control units' pre-filtration needs to be removed for cleaning.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50431	6/30/2023 3:15:09 PM	All yearly checks ok	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50429	6/30/2023 11:30:11 AM	EUH-2 under repair. All other yearly checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50335	6/8/2023 3:00:27 PM	Operated float and slide manually, checked operation of slide lift cable and reset cable okay. Cleaned FCC and weir plate while diving into vault. Annual checks complete.	A	N/A	N/A	NO FLOW	N/A	OVERCAST

Tank Weir Check Report for 2023

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.	50396	6/12/2023 9:00:05 AM	Found overflow storage with new debris visible. Did not get the alert when tank was filling will check with monitoring crew as to why this happened. Washed down both control vaults. Filled and flushed twice. Tanks is reset for next event.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50546	7/5/2023 10:45:30 AM	Pump #2 fault light not working. Maintenance level heater still disconnected. #1 flush tank had some debris in it; flushed and reset flush gate. Checks complete.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50656	7/3/2023 9:15:00 AM	Some minor debris left behind in flush tanks. All checks complete; okay.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2023

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	50563	7/12/2023 11:00:51 AM	Initial findings that flush tanks held some overflow and all needed to be cleaned. Filled and flushed all tanks multiple times. Trash picked up around the lot. Need to complete the checks later.	A	NEEDS CLEANING	OK	N/A	NEEDS CLEANING	OVERCAST

Weir Check MH Cyclic Report

Manhole Weir Check Cyclic Report for 2023

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	53100	1/3/2023 11:02:00 AM		OVERCAST	A	N/A	N/A
	53194	1/10/2023 8:55:55 AM		OVERCAST	A	N/A	N/A
	53335	1/17/2023 8:25:12 AM	Could not get to outfall due to icy condition.	OVERCAST	A	N/A	N/A
	53439	1/24/2023 9:00:35 AM		OVERCAST	A	N/A	N/A
	53539	1/31/2023 8:55:53 PM		OVERCAST	A	N/A	N/A
	53636	2/7/2023 9:21:00 AM		OVERCAST	A	N/A	N/A
	53807	2/14/2023 8:35:00 AM		OVERCAST	A	N/A	N/A
	53915	2/21/2023 10:31:18 AM		OVERCAST	A	NOFLOW	A
	54020	2/28/2023 1:45:11 PM		OVERCAST	A	N/A	N/A
	54084	3/7/2023 8:47:00 AM		DRY	A	N/A	N/A
	54242	3/14/2023 10:05:53 AM		DRY	A	N/A	N/A
	54372	3/21/2023 10:56:09 AM		DRY	A	NOFLOW	A
	54490	3/28/2023 8:40:53 AM		DRY	A	N/A	N/A
	54588	4/4/2023 7:54:00 AM		OVERCAST	A	N/A	N/A
	54727	4/11/2023 10:55:15 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2023

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	54872	4/18/2023 10:28:17 AM		OVERCAST	A	NOFLOW	A
	54977	4/25/2023 8:32:14 AM		DRY	A	N/A	N/A
	55084	5/2/2023 8:23:00 AM		DRY	A	N/A	N/A
	55267	5/9/2023 8:29:11 AM		OVERCAST	A	N/A	N/A
	55387	5/16/2023 10:09:56 AM		OVERCAST	A	NOFLOW	A
	55510	5/23/2023 8:35:49 AM		DRY	A	N/A	N/A
	55608	5/30/2023 8:15:19 AM		DRY	A	N/A	N/A
	55708	6/6/2023 8:20:00 AM		DRY	A	N/A	N/A
	55894	6/13/2023 9:58:56 AM		DRY	A	N/A	N/A
	55999	6/20/2023 1:37:17 PM		WET	A	NOFLOW	A
	56101	6/27/2023 8:19:16 AM		DRY	A	N/A	N/A
	56188	7/3/2023 8:14:00 AM		DRY	A	N/A	N/A
	56305	7/11/2023 8:35:16 AM		DRY	A	N/A	N/A
	56443	7/18/2023 8:40:33 AM	Outfall sign okay. Outfall pipe not covered with limbs.	DRY	A	NOFLOW	A
	56562	8/1/2023 7:25:24 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2023

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	56767	8/8/2023 2:30:14 PM		DRY	A	N/A	N/A
	56947	8/15/2023 9:05:57 AM		DRY	A	NOFLOW	A
	57040	8/22/2023 8:05:05 AM		WET	A	N/A	N/A
	57123	8/29/2023 8:27:23 AM		DRY	A	N/A	N/A
	57211	9/5/2023 8:58:00 AM		OVERCAST	A	N/A	N/A
	57437	9/12/2023 8:20:03 AM		DRY	A	N/A	N/A
	57462	9/19/2023 8:55:34 AM		OVERCAST	A	NOFLOW	A
	57569	9/26/2023 9:20:11 AM		OVERCAST	A	N/A	N/A
	57660	10/3/2023 7:46:00 AM		OVERCAST	A	N/A	N/A
	57819	10/10/2023 8:30:13 AM		WET	A	N/A	N/A
	57948	10/17/2023 8:30:22 AM		DRY	A	NOFLOW	A
	58052	10/24/2023 7:42:20 AM	All checks complete; finished checks on this CSO.	OVERCAST	A	N/A	N/A
	58164	10/31/2023 9:42:24 AM		DRY	A	N/A	N/A
	58274	11/7/2023 7:48:00 AM		WET	A	N/A	N/A
	58427	11/14/2023 8:10:39 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2023

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	58552	11/21/2023 9:30:04 AM		DRY	A	NOFLOW	A
	58650	11/28/2023 9:35:48 AM		DRY	A	N/A	N/A
	58690	12/5/2023 8:41:00 AM		WET	A	N/A	N/A
	58835	12/12/2023 8:15:32 AM		OVERCAST	A	N/A	N/A
	58935	12/19/2023 11:25:59 AM		WET	A	NOFLOW	A
	59058	12/26/2023 8:30:13 AM	Final ELM put on this work order.	OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2023

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	53101	1/3/2023 10:55:21 AM		OVERCAST	A	N/A	N/A
	53195	1/10/2023 9:10:20 AM		OVERCAST	A	N/A	N/A
	53336	1/17/2023 8:35:25 AM	Could not get to outfall due to icy condition.	OVERCAST	A	N/A	N/A
	53440	1/24/2023 9:25:16 AM		OVERCAST	A	N/A	N/A
	53540	1/31/2023 9:05:48 AM		OVERCAST	A	N/A	N/A
	53637	2/7/2023 9:13:00 AM		OVERCAST	A	N/A	N/A
	53808	2/14/2023 8:45:35 AM		OVERCAST	A	N/A	N/A
	53916	2/21/2023 11:04:24 AM		OVERCAST	A	NOTVISABLE	A
	54024	2/28/2023 1:55:56 PM		OVERCAST	A	N/A	N/A
	54085	3/7/2023 8:34:00 AM		DRY	A	N/A	N/A
	54244	3/14/2023 10:15:46 AM	Early warning during storm 3/13 but no evidence of flow coming out of channel.	DRY	A	N/A	N/A
	54373	3/21/2023 11:34:33 AM		DRY	A	NOTVISABLE	A
	54492	3/28/2023 8:50:06 AM		DRY	A	N/A	N/A
	54589	4/4/2023 7:48:00 AM		OVERCAST	A	N/A	N/A
	54728	4/11/2023 11:05:54 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2023

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	54873	4/18/2023 10:59:43 AM		DRY	A	NOTVISABLE	A
	54980	4/25/2023 9:00:10 AM		DRY	A	N/A	N/A
	55093	5/2/2023 8:46:00 AM		DRY	A	N/A	N/A
	55268	5/9/2023 8:45:56 AM		OVERCAST	A	N/A	N/A
	55389	5/16/2023 3:00:38 PM		DRY	A	NOTVISABLE	A
	55525	5/23/2023 8:45:41 AM		DRY	A	N/A	N/A
	55609	5/30/2023 8:25:56 AM		DRY	A	N/A	N/A
	55709	6/6/2023 8:27:00 AM		DRY	A	N/A	N/A
	55895	6/13/2023 10:33:01 AM		DRY	A	N/A	N/A
	56003	6/20/2023 2:30:40 PM		WET	A	NOTVISABLE	A
	56105	6/27/2023 8:25:47 AM		DRY	A	N/A	N/A
	56190	7/3/2023 12:00:00 PM		DRY	A	N/A	N/A
	56307	7/11/2023 8:45:50 AM		DRY	A	N/A	N/A
	56444	7/18/2023 9:30:47 AM	Outfall sign okay. Outfall pipe cleared of tree limbs and brush making it visible from river and riverbank.	DRY	A	NOFLOW	A
	56563	8/1/2023 7:40:29 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2023

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	56768	8/8/2023 2:45:50 PM		DRY	A	N/A	N/A
	56948	8/15/2023 9:35:59 AM		DRY	A	NOFLOW	A
	57041	8/22/2023 8:15:44 AM		WET	A	N/A	N/A
	57124	8/29/2023 8:35:58 AM		DRY	A	N/A	N/A
	57212	9/5/2023 9:09:00 AM		OVERCAST	A	N/A	N/A
	57438	9/12/2023 8:30:45 AM		DRY	A	N/A	N/A
	57463	9/19/2023 9:20:22 AM		OVERCAST	A	NOFLOW	A
	57570	9/26/2023 9:30:00 AM		OVERCAST	A	N/A	N/A
	57661	10/3/2023 8:00:48 AM		OVERCAST	A	N/A	N/A
	57821	10/10/2023 8:40:49 AM		WET	A	N/A	N/A
	57949	10/17/2023 9:00:08 AM		DRY	A	NOTVISABLE	A
	58053	10/24/2023 7:38:00 AM		OVERCAST	A	N/A	N/A
	58163	10/31/2023 9:55:55 AM		DRY	A	N/A	N/A
	58275	11/7/2023 8:02:00 AM		WET	A	N/A	N/A
	58428	11/14/2023 8:20:17 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2023

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	58553	11/21/2023 9:00:35 AM	Outfall pipe is visible, but goes into the river. We checked the upstream MH and it was dry.	DRY	A	NOFLOW	A
	58649	11/28/2023 9:45:39 AM		DRY	A	N/A	N/A
	58691	12/5/2023 9:01:00 AM		WET	A	N/A	N/A
	58836	12/12/2023 8:25:29 AM		OVERCAST	A	N/A	N/A
	58936	12/19/2023 12:00:31 PM		WET	A	NOTVISABLE	A
	59059	12/26/2023 8:23:41 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2023

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.	53094	1/3/2023 10:05:32 AM		OVERCAST	A	N/A	N/A
	53193	1/10/2023 8:40:40 AM		OVERCAST	A	N/A	N/A
	53333	1/17/2023 7:45:01 AM	Removed graffiti from outfall sign.	OVERCAST	A	NOFLOW	A
	53438	1/24/2023 8:00:41 AM		OVERCAST	A	N/A	N/A
	53538	1/31/2023 8:40:13 AM		OVERCAST	A	N/A	N/A
	53635	2/7/2023 8:57:00 AM		OVERCAST	A	N/A	N/A
	53806	2/14/2023 8:45:00 AM		OVERCAST	A	N/A	N/A
	53914	2/21/2023 9:48:55 AM		OVERCAST	A	NOFLOW	A
	54014	2/28/2023 1:35:27 PM		OVERCAST	A	N/A	N/A
	54083	3/7/2023 9:16:50 AM		DRY	A	N/A	N/A
	54241	3/14/2023 10:30:24 AM		DRY	A	N/A	N/A
	54374	3/21/2023 10:15:44 AM		DRY	A	NOFLOW	A
	54489	3/28/2023 8:25:00 AM		DRY	A	N/A	N/A
	54587	4/4/2023 7:20:04 AM		OVERCAST	A	N/A	N/A
	54726	4/11/2023 10:30:24 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2023

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.	54871	4/18/2023 9:46:23 AM		OVERCAST	A	NOFLOW	A
	54976	4/25/2023 8:17:47 AM		DRY	A	N/A	N/A
	55082	5/2/2023 9:02:00 AM		DRY	A	N/A	N/A
	55266	5/9/2023 8:12:09 AM		OVERCAST	A	N/A	N/A
	55385	5/16/2023 9:36:24 AM		WET	A	NOFLOW	A
	55507	5/23/2023 8:25:42 AM		DRY	A	N/A	N/A
	55607	5/30/2023 8:05:37 AM		DRY	A	N/A	N/A
	55707	6/6/2023 7:57:00 AM		DRY	A	N/A	N/A
	55896	6/13/2023 8:49:14 AM		DRY	A	N/A	N/A
	55995	6/20/2023 8:11:38 AM		DRY	A	NOFLOW	A
	56087	6/27/2023 8:00:46 AM		DRY	A	N/A	N/A
	56186	7/3/2023 8:37:00 AM		DRY	A	N/A	N/A
	56308	7/11/2023 7:55:38 AM		DRY	A	N/A	N/A
	56442	7/18/2023 8:00:34 AM	Outfall sign okay. Outfall pipe clear of bushes and tree limbs.	DRY	A	NOFLOW	A
	56561	8/1/2023 7:55:24 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2023

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.	56766	8/8/2023 2:15:16 PM		DRY	A	N/A	N/A
	56946	8/15/2023 8:25:59 AM		DRY	A	NOFLOW	A
	57039	8/22/2023 7:50:05 AM		WET	A	N/A	N/A
	57122	8/29/2023 8:05:47 AM		DRY	A	N/A	N/A
	57210	9/5/2023 8:46:00 AM		OVERCAST	A	N/A	N/A
	57436	9/12/2023 8:10:13 AM	Cleared debris from probe; okay.	DRY	A	N/A	N/A
	57461	9/19/2023 8:30:46 AM		OVERCAST	A	NOFLOW	A
	57568	9/26/2023 9:00:16 AM		OVERCAST	A	N/A	N/A
	57659	10/3/2023 8:15:00 AM		OVERCAST	A	N/A	N/A
	57818	10/10/2023 8:15:06 AM		WET	A	N/A	N/A
	57947	10/17/2023 7:55:38 AM		DRY	A	NOFLOW	A
	58051	10/24/2023 7:25:49 AM		OVERCAST	A	N/A	N/A
	58162	10/31/2023 8:40:32 AM		DRY	A	N/A	N/A
	58273	11/7/2023 8:18:00 AM		WET	A	N/A	N/A
	58429	11/14/2023 7:55:18 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2023

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.	58551	11/21/2023 8:00:12 AM		DRY	A	NOFLOW	A
	58647	11/28/2023 8:25:51 AM		DRY	A	N/A	N/A
	58689	12/5/2023 8:20:09 AM		WET	A	N/A	N/A
	58837	12/12/2023 8:00:51 AM		OVERCAST	A	N/A	N/A
	58934	12/19/2023 9:55:23 AM		WET	A	NOFLOW	A
	59057	12/26/2023 8:00:55 AM		OVERCAST	A	N/A	N/A

Weir Check Events Noncyclic Report

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 12	54366	PETTET DR - CSO 12 TANK	3/14/2023 9:45:46 AM	CSO Intermediate Event Check	tank filled and automatically flushed; rinsed tanks. Reset. LEL sensor is bad, alarm sounding. Will notify moniter team.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	55347	PETTET DR - CSO 12 TANK	5/5/2023 9:00:50 AM	CSO Intermediate Event Check	Washed down flush tanks only. Odor control left running for Bloomsday weekend. Tank was taking on new flow after wash down.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	WET
	55368	PETTET DR - CSO 12 TANK	5/8/2023 10:30:03 AM	CSO Intermediate Event Check	Check is the result of an larm that flush tank filling during a rain event. Flush tanks were empty and all other checks are ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	55746	PETTET DR - CSO 12 TANK	6/1/2023 9:30:10 AM	CSO Intermediate Event Check	Flush tanks found full. Flushed and filled and flushed again. Tank reset for next storm.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	55959	PETTET DR - CSO 12 TANK	6/9/2023 9:30:42 AM	CSO Intermediate Event Check	Check as a result of storm event. Partial fill and flush. Tank is reset for next event.	A	CLEAN	OK	NO FLOW	CLEAN	WET
	56906	PETTET DR - CSO 12 TANK	8/7/2023 10:00:49 AM	CSO Intermediate Event Check	Found #1 flush tank full, flushed and filled and flushed again. Tank is reset for next event.	A	FULL	OK	NO FLOW	CLEAN	DRY
	57153	PETTET DR - CSO 12 TANK	8/23/2023 9:30:35 AM	CSO Intermediate Event Check	Chech is the result of an alarm that flush tank filling during a rain event. Emptied flush tanks. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 12	57248	PETTET DR - CSO 12 TANK	8/31/2023 9:45:32 AM	CSO Intermediate Event Check	Check as a result of storm event. Flush tanks found empty but needed a flush, automatic flush worked properly. Tank is reset and ready for next storm.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	58395	PETTET DR - CSO 12 TANK	11/3/2023 11:30:52 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Emptied flush tanks 1, 2, & 3. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	58420	PETTET DR - CSO 12 TANK	11/7/2023 10:45:28 AM	CSO Intermediate Event Check	Flush tank #1 and #2 found full. Flushed tanks and completed other checks. Check as a result of storm event.	A	FULL	OK	NO FLOW	CLEAN	OVERCAST
	58893	PETTET DR - CSO 12 TANK	12/8/2023 8:30:53 AM	CSO Intermediate Event Check	Check as a result of storm event. Washed down tanks, flushed and reset.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 24-1	53304	ADAMS BETWEEN 1ST & SPRAGUE	1/9/2023 10:30:49 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Flush tanks #1 and #2 found flushgate stuck open and all other tanks found still full. Monitoring crew trying to get PLC reprogrammed as the pumps will not come on automatically. Will come back later to finish cleaning when reprogrammed.	A	FULL	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	54371	ADAMS BETWEEN 1ST & SPRAGUE	3/17/2023 10:15:53 AM	CSO Intermediate Event Check	Pumped down sump after failed attempt to reprogram PLC by monitoring crew. Sump will need to be pumped further before flushing and cleaning can begin.	A	FULL	OK	NO FLOW	NEEDS CLEANING	DRY
	55365	ADAMS BETWEEN 1ST & SPRAGUE	5/8/2023 8:30:16 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling. Flush tanks were empty and all other checks ok. Dropped off sample at treatment plant.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	55675	ADAMS BETWEEN 1ST & SPRAGUE	5/26/2023 8:30:42 AM	CSO Intermediate Event Check	Tank #1 found partially full, did not flush automatically. Notified Monitoring crew of issue they will go troubleshoot pumps not coming on in auto as we manually flushed tank #1 and flushed once.	A	FULL	OK	NO FLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 24-1	55713	ADAMS BETWEEN 1ST & SPRAGUE	5/31/2023 9:30:50 AM	CSO Intermediate Event Check	Flushed tanks and cleaned surfaces. Automatic flush failed and monitoring crew assisted in resetting plc. Tank needs a full fill and flush and sump side cleaned.	A	NEEDS CLEANING	OK	NO FLOW	NEEDS CLEANING	DRY
	55961	ADAMS BETWEEN 1ST & SPRAGUE	6/9/2023 10:30:15 AM	CSO Intermediate Event Check	Check as a result of storm event. Partial fill and flush of tanks. Sump clean. Tank is reset for next event.	A	CLEAN	OK	NO FLOW	CLEAN	WET
	58483	ADAMS BETWEEN 1ST & SPRAGUE	11/9/2023 3:15:10 PM	CSO Intermediate Event Check	Check as a result of storm event. Luke from monitoring crew notified us of 1 -3 flush tanks having fluids in them. He flushed them and we came back to do our checks. Filled and flushed #1 and #2 flush tanks. Checks complete. Tank is reset for next event.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	58894	ADAMS BETWEEN 1ST & SPRAGUE	12/8/2023 10:15:19 AM	CSO Intermediate Event Check	Check as a result of storm event. Flush tanks found full. Emptied tanks and washed down and reset for next event.	A	FULL	OK	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 24-2	57255		8/31/2023 12:00:00 PM	CSO Intermediate Event Check	CREW #12 ASSISTED @ 24-2	N/A	NEEDS CLEANING	N/A	N/A	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2023

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)	53221	43RD & GARFIELD	1/4/2023 9:30:58 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a snow rain event. Flush tank 1 was full emptied it all other intermediate checks ok. Checked fire extinguisher.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	57258	43RD & GARFIELD	8/31/2023 2:00:13 PM	CSO Intermediate Event Check	Flush tanks found full. Flushed and filled and flushed tanks. Replaced missing bolt for hatch over FCC. Need to drill holes for more drainage out of hatch frames.	A	FULL	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 26	55369	SFB & LINCOLN	5/8/2023 11:30:40 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty. Sump and flush ways need cleaning. all other checks ok	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	55801	SFB & LINCOLN	6/1/2023 3:15:51 PM	CSO Intermediate Event Check	Found flush tanks dirty and sump down to normal after automatic flush but lots of floating debris. Filled and flushed with time available but will come back to finish cleaning tomorrow.	A	NEEDS CLEANING	OK	NO FLOW	NEEDS CLEANING	DRY
	55962	SFB & LINCOLN	6/9/2023 11:15:33 AM	CSO Intermediate Event Check	Flush tanks found full with clean water from spring water line. Sump is full of debris but will get clean in automatic. Tank is reset for next event.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	WET
	56219	SFB & LINCOLN	6/28/2023 2:30:28 PM	CSO Intermediate Event Check	Check as a result of storm event. Sump and flushways show evidence of diverted flow from FCC. Filled and flushed tanks. Tank reset for next storm.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	57285	SFB & LINCOLN	9/1/2023 1:30:58 PM	CSO Intermediate Event Check	Check is the result of an alarm that sump filling during a rain event. Sump was empty. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 26	58404	SFB & LINCOLN	11/6/2023 10:30:40 AM	CSO Intermediate Event Check	Checked tank for signs of flow from diversion vault, some evidence of flow present in sump. Flushway clean and flush tanks filling and flushing in automatic still.	A	CLEAN	OK	NO FLOW	CLEAN	WET
	58895	SFB & LINCOLN	12/8/2023 11:30:51 AM	CSO Intermediate Event Check	Check as a result of storm event. Flush tanks filling with clean water from spring water line. Sump has some debris but will be pumped out automatically. Tank reset.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-1	53317	3RD & DENVER	1/9/2023 12:00:34 PM	CSO Intermediate Event Check	Check as result of wet weather event. Flush tank #1 gate found open. Reset gate. Tank okay.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	53405	3RD & DENVER	1/16/2023 9:00:55 AM	CSO Intermediate Event Check	Check as a result of wet weather event. Tank okay, flushed #1 as it took on flow. Other tanks found retaining water did an automatic flush. Tank monitoring light not working correctly - very faint.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	53784	3RD & DENVER	2/6/2023 10:30:00 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Manually emptied flush tank 1. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	53828	3RD & DENVER	2/8/2023 9:00:02 AM	CSO Intermediate Event Check	Check as a result of wet weather event on 02/07/2023. Evidence of overflow to tank from diversion vault but tank found empty and sump clear.	A	NEEDS CLEANING	OK	NO FLOW	NEEDS CLEANING	DRY
	54384	3RD & DENVER	3/14/2023 2:45:50 PM	CSO Intermediate Event Check	Only cell #1 took on flow during storm. Flush tanks reset. Sump is dirty and requires cleaning. Need to reinstall electroslide motor with monitoring crew.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-1	55068	3RD & DENVER	4/24/2023 9:00:25 AM	CSO Intermediate Event Check	Flush tank found empty. Sump has debris built up in it. 5th and Denver vault okay. New graffiti found on RP enclosure.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	55352	3RD & DENVER	5/5/2023 1:45:10 PM	CSO Intermediate Event Check	Washed down flush tanks 1 and 2. Sump found dirty, still needs cleaned after Spring rains. Sprinkler system off.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	55372	3RD & DENVER	5/8/2023 1:30:13 PM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty and all other checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	55722	3RD & DENVER	5/30/2023 3:00:43 PM	CSO Extreme Event Check	Tanks 5 and 6 remained full after automatic flush cycle. We cycled through those tanks multiple times and the gates finally opened and flushed to the sump. Need to verify overflow data with monitoring crew and come back for full fill and flush. We must visually check gates 5 and 6 after being hung up during auto cycle.	A	NEEDS CLEANING	OK	NO FLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-1	55965	3RD & DENVER	6/9/2023 3:00:13 PM	CSO Intermediate Event Check	Checks as result of storm event. Flush tank #1 found open, reset. #5 flush gate frame leaking. Filled and flushed tanks. Sump is filthy needs to be cleaned. Tank reset for next event.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	56134	3RD & DENVER	6/22/2023 8:30:50 AM	CSO Intermediate Event Check	Check was a 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	NEEDS CLEANING	DRY
	56254	3RD & DENVER	6/29/2023 11:25:38 AM	CSO Intermediate Event Check	Check as a result of storm event. Tanks #1 & #2 filled, sump is full of debris. Tank is reset for next storm.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	57154	3RD & DENVER	8/23/2023 11:30:50 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty filled and flushed tank #1. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	57274	3RD & DENVER	9/1/2023 11:30:56 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty filled tanks 1&2 and flushed. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-1	57687	3RD & DENVER	9/28/2023 9:15:33 AM	CSO Intermediate Event Check	Check as a result of storm event. Flush tank #1 gate found open. Reset gate and filled tank to test gate under pressure and to clean the sump out. Gate #1 held tight. Tank is reset for next storm event.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	57709	3RD & DENVER	9/29/2023 8:00:58 AM	CSO Intermediate Event Check	Flushgate #1 found open. We need to make adjustment to door rollers or extend the length of time on the pump to keep door open to drain completely before hooks try to reengage.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	57970	3RD & DENVER	10/11/2023 8:30:43 AM	CSO Intermediate Event Check	Check as a result of storm event. Flush tank #1 only tank to get flow and found full. Flushed tank and sump from #1 tank. Tank is reset for next event.	A	FULL	OK	NO FLOW	CLEAN	OVERCAST
	58382	3RD & DENVER	11/3/2023 10:00:54 AM	CSO Intermediate Event Check	Check is the result of n alarm that flush tank filling during a rain event.Emptied flush tanks 1 & 2. All other intermediate checks ok.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	58405	3RD & DENVER	11/7/2023 1:45:50 PM	CSO Intermediate Event Check	First attempt for check cannot be completed as new storm event occurring. Monthly check instead and training on tank operation.	A	FULL	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-1	58625	3RD & DENVER	11/17/2023 8:30:40 AM	CSO Intermediate Event Check	Check as a result of storm event 11-15-2023. Flush tanks #1 and #2 found to have received flow. Flushed tanks and cleaned. Tank is reset for next storm event.	A	FULL	OK	NO FLOW	CLEAN	OVERCAST
	58897	3RD & DENVER	12/8/2023 11:30:37 AM	CSO Intermediate Event Check	Check as a result of storm event. Cell #1 flush tanks found full. Emptied tanks and flushed. Sump clean. Tank reset for next event.	A	FULL	OK	NO FLOW	CLEAN	DRY
	58999	3RD & DENVER	12/14/2023 10:30:50 AM	CSO Intermediate Event Check	Check as a result of storm event on 12-10-2023. Flush tank #1 and #2 had some water in them, #2 likely from hatch drain.	A	FULL	OK	NO FLOW	CLEAN	OVERCAST
	59157	3RD & DENVER	12/26/2023 2:15:17 PM	CSO Intermediate Event Check	Check as a result of rain storm 12/22/2023. Flush tank #1 found partially full. Flushed tank and completed checks. Tank is reset for next storm.	A	FULL	OK	NO FLOW	CLEAN	WET

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-2	55721	CSO TANK S OF SPRAGUE, E OF SCOTT	5/30/2023 1:30:39 PM	CSO Extreme Event Check	Flush tanks empty and no evidence of an actual overflow. Need to check with monitoring about the overflow data. Will come back to fill and flush for further cleaning.	A	NEEDS CLEANING	OK	NO FLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2023

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	54383	RIVERSIDE BTWN LEE- CRESTLINE	3/14/2023 2:00:58 PM	CSO Intermediate Event Check	All tanks took flow but not much into the main tank. Filled and flushed all tanks for debris cleaning. Tank is reset for next event.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	55356	RIVERSIDE BTWN LEE- CRESTLINE	5/5/2023 3:15:01 PM	CSO Intermediate Event Check	Flushed all 8 tanks and washed down 1-4 and 7-8.	A	FULL	OK	NO FLOW	CLEAN	OVERCAST
	55397	RIVERSIDE BTWN LEE- CRESTLINE	5/9/2023 10:00:13 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 checks are ok.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	55714	RIVERSIDE BTWN LEE- CRESTLINE	5/30/2023 11:45:21 AM	CSO Extreme Event Check	Cleaned tanks 1-3. Need to clean the rest another day.	A	NEEDS CLEANING	OK	OVERFLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 34-2	53185	CSO TANK UNDERHILL PARK	1/3/2023 11:30:20 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a snow rain event. Flush tanks empty all other intermediate checks ok. Checked fire extinguisher.	A	NEEDS CLEANING	OK	NO FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 34-3	53175	E/O RAY NEAR CONGRESS	1/3/2023 10:15:57 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a snow rain event. Flush tanks were empty all other intermediate checks ok. Checked foire extinguisher.	A	NEEDS CLEANING	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	55737	E/O RAY NEAR CONGRESS	5/31/2023 10:30:47 AM	CSO Intermediate Event Check	Tank reset for next storm.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	57263	E/O RAY NEAR CONGRESS	8/31/2023 3:15:31 PM	CSO Intermediate Event Check	Reset flush tank #1 gate. Tank is reset for next storm.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 38-2	55738	CSO TANK E OF ALTAMONT	5/31/2023 11:00:24 AM	CSO Intermediate Event Check	Flush tank found left open as plc was faulted by power surge during automatic flush. Some debris left over in FCC. Tank reset for next storm.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 6	54363	UNDERGROUND TANK NW & KIERNAN	3/14/2023 8:45:32 AM	CSO Intermediate Event Check	Tanks 1 and 2 took on flow; flushed and rinsed tanks. Reset.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	55341	UNDERGROUND TANK NW & KIERNAN	5/5/2023 8:15:59 AM	CSO Intermediate Event Check	Washed down flush tanks.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	55367	UNDERGROUND TANK NW & KIERNAN	5/8/2023 10:00:59 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 checks are ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	55427	UNDERGROUND TANK NW & KIERNAN	5/10/2023 10:30:56 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 checks are ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	55538	UNDERGROUND TANK NW & KIERNAN	5/17/2023 12:00:50 PM	CSO Intermediate Event Check	Only Flush tank #1 took on flow during storm. Flush tank clean.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	55711	UNDERGROUND TANK NW & KIERNAN	5/30/2023 9:30:17 AM	CSO Intermediate Event Check	Flush tank filling signal was a false reading. There was no evidence the tank took on any flow.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	55929	UNDERGROUND TANK NW & KIERNAN	6/9/2023 8:30:54 AM	CSO Intermediate Event Check	Check as a result of storm event. Filled and flushed all three tanks. Tank is reset for next storm.	A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 6	56211	UNDERGROUND TANK NW & KIERNAN	6/28/2023 8:45:06 AM	CSO Intermediate Event Check	Check as a result of storm event. Filled and flushed all tanks. Debris stuck in #1 flush gate and would not close fully. Flushed out debris and tested doors during full filling and flushes. Tank is reset for next storm.	A	CLEAN	OK	NO FLOW	CLEAN	DRY
	58479	UNDERGROUND TANK NW & KIERNAN	11/9/2023 10:30:27 AM	CSO Intermediate Event Check	Check as a result of storm event. Monitoring at the tank did not send an alert that it was filling. Monitoring team is aware of the problem. Flushed out tanks and filled and flushed with clean water. Check is complete. Tank is reset for next storm.	A	FULL	OK	NO FLOW	CLEAN	DRY
	58884	UNDERGROUND TANK NW & KIERNAN	12/8/2023 9:15:00 AM	CSO Intermediate Event Check	Check as a result of storm event. Washed down tanks, flushed and reset.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Weir Check and Tank Maintenance Noncyclic Report

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
	54829	MULTIPLE LOCATIONS	4/7/2023 2:00:49 PM	CSO Tank Maintenance	Training on location and procedure for flip-up signs and "What is a CSO?" signs. Outfall checks for CSO 42, 34, 33-1, 33-2, 24-1, 25, 23-1.
	56856	MULTIPLE LOCATIONS	8/3/2023 11:30:53 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. All checks complete. CSO 34-3 low differential pressure light not working.
	58198	MULTIPLE LOCATIONS	10/25/2023 3:15:26 PM	CSO Tank Maintenance	Site visits for security and check for vandalism. CSO 26 take over closing tank for monitoring crew after Power City finishes.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 10	53386	MULTIPLE LOCATIONS	1/12/2023 3:15:42 PM	CSO Tank Maintenance	Check out line going from CSO 10 into the interceptor; found the vault. CSO 16 checked on drainage pans and overall condition of the site.
	54403	MULTIPLE LOCATIONS	3/15/2023 11:30:43 AM	CSO Tank Maintenance	CSO 42 still has abandoned fifth wheel trailer near it on Surro. Called Code enforcement.
		MULTIPLE LOCATIONS	3/15/2023 11:30:43 AM	CSO Tank Maintenance	Early warning on multiple tanks. Checked on tank and FCC conditions; all okay.
	54847	MULTIPLE LOCATIONS	4/10/2023 3:15:31 PM	CSO Tank Maintenance	Site surveys. All found in good condition.
	56573	MULTIPLE LOCATIONS	7/18/2023 2:15:31 PM	CSO Tank Maintenance	Added "No Parking" signs to entrance gates.
	58460	MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Add delineators leading up to 3c vault for ease of finding for CSO call-out crews. Training on location and operation of CSO 2, overflow vault, and outfall location and sign.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Laborers check on multiple tanks using the CSO call-out maps. CSO 24-2, 34-2, 10, and 38-1 where all visited. No comments on improvements submitted by laborers; they found everything easily.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Site visit CSO 42. Removed large rock from river access driveway. Reinstalled 2 loose bolts on hatch.
	58833	MULTIPLE LOCATIONS	12/5/2023 2:30:09 PM	CSO Tank Maintenance	CSO 10 flow control stopped up with rags and small debris causing CTI level to rise abnormally. Broke up rags and held slide up to allow flow to decrease back to normal.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 10	58833	MULTIPLE LOCATIONS	12/5/2023 2:30:09 PM	CSO Tank Maintenance	CSO 24-1 completed an auto-flush cycle. Tanks are reset for next event.
	58867	MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Checking on tank with flow into flush tanks and early warning locations that rarely get high flows. CSO 34-1 flush tank #1 and #2 had taken on flows. CSO 24-1 flush tanks found full. CSO 6 and 12 had auto flushed after events. CSO 26 okay.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	CSO 26, 10 and 15 are okay - no issues.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Intermediate Event checks required at CSO 6, 12, 24-1, 26, 33-1, and 34-1.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 12	53349	MULTIPLE LOCATIONS	1/11/2023 3:15:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 12 has LEL detector malfunction and alarm going off in electrical room.
	53785	MULTIPLE LOCATIONS	2/6/2023 3:30:00 PM	CSO Tank Maintenance	Monthly cso fire extinguisher and odor control checks. cso 26, 33-1, 6, 12, I-03.
	54042	MULTIPLE LOCATIONS	2/23/2023 3:15:25 PM	CSO Tank Maintenance	Annual odor control inspection of media condition, level in each cell, and pre-filtration cleanliness. Also training for Jimmy as laborer with Scott Wischmann.
	54167	MULTIPLE LOCATIONS	3/3/2023 2:00:14 PM	CSO Tank Maintenance	Monthly checks complete. Service request made to facility maintenance for EUH1 at CSO 34-1 for leaking fluid from coils. We will notify Chris Clarke about air monitoring light out at CSO 33-1 and a bad LEL sensor at CSO 12.
	54662	MULTIPLE LOCATIONS	4/3/2023 1:45:59 PM	CSO Tank Maintenance	Monthly CSO fire extinguisher and odor control checks. CSO 12 has an O2 sensor gone bad, alarm going off. I-03 electroslide still in OFF, awaiting monitoring crew approval to check settings and put back into automatic.
	55165	PETTET DR - CSO 12 TANK	4/28/2023 10:30:30 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 2008 N. PETTET DR. CSO 12 10F2, #4057568 2" RP WILKENS 975XL2
	55166	PETTET DR - CSO 12 TANK	4/28/2023 11:00:11 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 2008 N. PETTET DR. CSO 12 20F2, #4261564 WILKENS 2" RP 975XL2

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 12	55240	MULTIPLE LOCATIONS	5/2/2023 3:15:33 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also checking emergency lighting operation for flaws. Identified multiple lighting units not working correctly in emergency.
	55324	MULTIPLE LOCATIONS	5/4/2023 2:00:00 PM	CSO Tank Maintenance	CSO 24-3, verify emergency lighting. CSO 26 fill and flush but automatic cycle does not work. Troubleshoot with Wade Floyd, plc may need re-programming.
		MULTIPLE LOCATIONS	5/4/2023 2:00:00 PM	CSO Tank Maintenance	CSO 26 odor control turned on for Bloomsday weekend.
	56008	PETTET DR - CSO 12 TANK	6/13/2023 11:30:55 AM	CSO Tank Maintenance	Cleaned flow control chamber to inspect check valve, bypass valve, and hydroslide.
	56540	MULTIPLE LOCATIONS	7/17/2023 12:00:51 PM	CSO Tank Maintenance	Monthly fire extinguisher checks 12, 16, 24-1, 24-3.
	56542	MULTIPLE LOCATIONS	7/17/2023 2:00:17 PM	CSO Tank Maintenance	Install no parking signs at cso tanks. cso 12, 34-3.
	56699	PETTET DR - CSO 12 TANK	7/26/2023 3:00:57 PM	CSO Tank Maintenance	Install overflow sampler bottle at CSO 12 overflow weir.
		PETTET DR - CSO 12 TANK	7/26/2023 3:00:57 PM	CSO Tank Maintenance	Needed more supplies for overflow sampler; shop for supplies at Home Depot.
	56811	MULTIPLE LOCATIONS	8/2/2023 3:15:59 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	57287	MULTIPLE LOCATIONS	9/1/2023 3:00:12 PM	CSO Tank Maintenance	Monthly fire extinguisher and equipment checks. 33-1, 26, 6, 12.
	57734	MULTIPLE LOCATIONS	10/2/2023 3:15:25 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also gather up fire extinguishers for annual inspection and recertification.
	57828	MULTIPLE LOCATIONS	10/4/2023 3:15:28 PM	CSO Tank Maintenance	Reinstall inspected fire extinguishers.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 12	58288	MULTIPLE LOCATIONS	11/1/2023 3:15:02 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Leaky shut off valve on downstream rp at CSO 12 and leaking diaphragm and shut off valve on rp device.
	58792	MULTIPLE LOCATIONS	12/4/2023 2:15:33 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	58867	MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Checking on tank with flow into flush tanks and early warning locations that rarely get high flows. CSO 34-1 flush tank #1 and #2 had taken on flows. CSO 24-1 flush tanks found full. CSO 6 and 12 had auto flushed after events. CSO 26 okay.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	CSO 26, 10 and 15 are okay - no issues.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Intermediate Event checks required at CSO 6, 12, 24-1, 26, 33-1, and 34-1.
	58914	MULTIPLE LOCATIONS	12/11/2023 2:30:41 PM	CSO Tank Maintenance	CSO 12 okay. I-03 and CSO 34-3 need snow removal.
		MULTIPLE LOCATIONS	12/11/2023 2:30:41 PM	CSO Tank Maintenance	Plowed CSO 34-3 driveways and entrance. Cleared path on walkway up to top of tank I-03.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 16	53349	MULTIPLE LOCATIONS	1/11/2023 3:15:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 12 has LEL detector malfunction and alarm going off in electrical room.
	53386	MULTIPLE LOCATIONS	1/12/2023 3:15:42 PM	CSO Tank Maintenance	Check out line going from CSO 10 into the interceptor; found the vault. CSO 16 checked on drainage pans and overall condition of the site.
	53803	MULTIPLE LOCATIONS	2/7/2023 2:30:39 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. I-04, 24-1, 24-3, 16, 38-2, 38-1, I-07, 33-2.
	53903	MULTIPLE LOCATIONS	2/13/2023 3:15:39 PM	CSO Tank Maintenance	Check on CSO 16 and 25; both okay.
	54047	MULTIPLE LOCATIONS	2/24/2023 3:15:35 PM	CSO Tank Maintenance	Annual odor control inspections of media level, condition, and pre-filtration screens.
	54167	MULTIPLE LOCATIONS	3/3/2023 2:00:14 PM	CSO Tank Maintenance	Monthly checks complete. Service request made to facility maintenance for EUH1 at CSO 34-1 for leaking fluid from coils. We will notify Chris Clarke about air monitoring light out at CSO 33-1 and a bad LEL sensor at CSO 12.
	54601	MULTIPLE LOCATIONS	3/28/2023 3:15:37 PM	CSO Tank Maintenance	CSO 42 FCC looked good. No extra build-up of FOG in the channel.
		MULTIPLE LOCATIONS	3/28/2023 3:15:37 PM	CSO Tank Maintenance	Site survey CSO 42 and 16. 311 called for garbage pick-up at CSO 42. CSO 16 okay.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 16	54662	MULTIPLE LOCATIONS	4/3/2023 1:45:59 PM	CSO Tank Maintenance	Monthly CSO fire extinguisher and odor control checks. CSO 12 has an O2 sensor gone bad, alarm going off. I-03 electroslide still in OFF, awaiting monitoring crew approval to check settings and put back into automatic.
	54920	PEOPLES PARK RIVERSIDE/CLARKE	4/13/2023 2:45:36 PM	CSO Tank Maintenance	Outfall sign limb removal. Attempted to do outfall signs at 24 / 25 but river was too high.
	55162	PEOPLES PARK RIVERSIDE/CLARKE	4/28/2023 9:00:41 AM	CSO Tank Maintenance	BACKFLOW ASSEMBLY TESTING @ 2414 W. CLARKE CSO 16, #2713744 2" WILKENS RP 975XL
	55240	MULTIPLE LOCATIONS	5/2/2023 3:15:33 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also checking emergency lighting operation for flaws. Identified multiple lighting units not working correctly in emergency.
	55868	MULTIPLE LOCATIONS	6/5/2023 3:00:20 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks and first aid supplies as needed. Cso 6, 16, I-04, 24-3.
	56540	MULTIPLE LOCATIONS	7/17/2023 12:00:51 PM	CSO Tank Maintenance	Monthly fire extinguisher checks 12, 16, 24-1, 24-3.
	56811	MULTIPLE LOCATIONS	8/2/2023 3:15:59 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	57341	MULTIPLE LOCATIONS	9/5/2023 3:00:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and equipment checks. 16 used grinder on sticky hatch, 24-3.
	57676	MULTIPLE LOCATIONS	9/27/2023 2:30:28 PM	CSO Tank Maintenance	Checking street hatches for damage to order replacement parts.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 16	57734	MULTIPLE LOCATIONS	10/2/2023 3:15:25 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also gather up fire extinguishers for annual inspection and recertification.
	57828	MULTIPLE LOCATIONS	10/4/2023 3:15:28 PM	CSO Tank Maintenance	Reinstall inspected fire extinguishers.
	58198	MULTIPLE LOCATIONS	10/25/2023 3:15:26 PM	CSO Tank Maintenance	Site visits for security and check for vandalism. CSO 26 take over closing tank for monitoring crew after Power City finishes.
	58288	MULTIPLE LOCATIONS	11/1/2023 3:15:02 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Leaky shut off valve on downstream rp at CSO 12 and leaking diaphragm and shut off valve on rp device.
	58792	MULTIPLE LOCATIONS	12/4/2023 2:15:33 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	59194	MULTIPLE LOCATIONS	12/28/2023 3:15:23 PM	CSO Tank Maintenance	Training at CSO 26, 24-1, 34-3, I-07, and 16. Pick up copper pie from CSO 34-1 and dropped off at I-07. Got heater running at CSO 34-3 and started odor control to dry out tank and vent lines. Gathered parts from CSO 26 for future repair work.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 2	53504	MULTIPLE LOCATIONS	1/20/2023 2:00:19 PM	CSO Tank Maintenance	Checked on I-04 carbon level after extended operation. Needed to add another box to cell #2 from media settling. Taught location and O&Ms for multiple tanks. Picked up additional radio clip from radio shop.
	58460	MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Add delineators leading up to 3c vault for ease of finding for CSO call-out crews. Training on location and operation of CSO 2, overflow vault, and outfall location and sign.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Laborers check on multiple tanks using the CSO call-out maps. CSO 24-2, 34-2, 10, and 38-1 where all visited. No comments on improvements submitted by laborers; they found everything easily.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Site visit CSO 42. Removed large rock from river access driveway. Reinstalled 2 loose bolts on hatch.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 23-1	57669	MULTIPLE LOCATIONS	9/26/2023 2:30:58 PM	CSO Tank Maintenance	Check tanks for broken parts in the street. Also dry fit 3x3 safety grate at CSO 38-2; not going to work - need to order. Per monitoring checked on CSO 25 for early warning; okay.
	59048	MULTIPLE LOCATIONS	12/19/2023 9:00:15 AM	CSO Tank Maintenance	Check on CSO 23-1, 23-2, and CSO 34-1. Tightened bolts on hatches in the street CSO 23-1. Picked up garbage on CSO 34-1 lot and discovered grease having been dumped over jersey barrier onto rock behind Zips. We spoke with manager about issue and he said they have not seen anyone on security camera doing it yet.
		MULTIPLE LOCATIONS	12/19/2023 9:00:15 AM	CSO Tank Maintenance	Check on FOG build-up in FCC. Some build-up, will check again for cleaning in a few weeks.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 23-2	53504	MULTIPLE LOCATIONS	1/20/2023 2:00:19 PM	CSO Tank Maintenance	Checked on I-04 carbon level after extended operation. Needed to add another box to cell #2 from media settling. Taught location and O&Ms for multiple tanks. Picked up additional radio clip from radio shop.
	57676	MULTIPLE LOCATIONS	9/27/2023 2:30:28 PM	CSO Tank Maintenance	Checking street hatches for damage to order replacement parts.
	59048	MULTIPLE LOCATIONS	12/19/2023 9:00:15 AM	CSO Tank Maintenance	Check on CSO 23-1, 23-2, and CSO 34-1. Tightened bolts on hatches in the street CSO 23-1. Picked up garbage on CSO 34-1 lot and discovered grease having been dumped over jersey barrier onto rock behind Zips. We spoke with manager about issue and he said they have not seen anyone on security camera doing it yet.
		MULTIPLE LOCATIONS	12/19/2023 9:00:15 AM	CSO Tank Maintenance	Check on FOG build-up in FCC. Some build-up, will check again for cleaning in a few weeks.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-1	53343	ADAMS BETWEEN 1ST & SPRAGUE	1/10/2023 12:00:04 PM	CSO Tank Maintenance	Troubleshoot possible power drop/surge at Flushgate control PLC with monitoring crew. Could not duplicate issue and did not see a voltage drop/surge. Flushed and cleaned all tanks and sump. Cleaned off overflow weir wall benching. Tank ready for next event.
	53347	MULTIPLE LOCATIONS	1/10/2023 3:15:19 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	53554	ADAMS BETWEEN 1ST & SPRAGUE	1/24/2023 3:00:06 PM	CSO Tank Maintenance	Training on O&Ms and site locations for maintenance.
	53803	MULTIPLE LOCATIONS	2/7/2023 2:30:39 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. I-04, 24-1, 24-3, 16, 38-2, 38-1, I-07, 33-2.
	54047	MULTIPLE LOCATIONS	2/24/2023 3:15:35 PM	CSO Tank Maintenance	Annual odor control inspections of media level, condition, and pre-filtration screens.
	54167	MULTIPLE LOCATIONS	3/3/2023 2:00:14 PM	CSO Tank Maintenance	Monthly checks complete. Service request made to facility maintenance for EUH1 at CSO 34-1 for leaking fluid from coils. We will notify Chris Clarke about air monitoring light out at CSO 33-1 and a bad LEL sensor at CSO 12.
	54662	MULTIPLE LOCATIONS	4/3/2023 1:45:59 PM	CSO Tank Maintenance	Monthly CSO fire extinguisher and odor control checks. CSO 12 has an O2 sensor gone bad, alarm going off. I-03 electroslide still in OFF, awaiting monitoring crew approval to check settings and put back into automatic.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-1	54875	ADAMS BETWEEN 1ST & SPRAGUE	4/11/2023 3:15:53 PM	CSO Tank Maintenance	Training on O&Ms for flushing and odor control units. Investigate drywell, and center of tank access points.
	55285	ADAMS BETWEEN 1ST & SPRAGUE	5/2/2023 2:30:23 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @CSO 24-1, 10 S. CEDAR 1 OF 2, #4590010 WILKENS ¾" RP 975
	55240	MULTIPLE LOCATIONS	5/2/2023 3:15:33 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also checking emergency lighting operation for flaws. Identified multiple lighting units not working correctly in emergency.
	55303	ADAMS BETWEEN 1ST & SPRAGUE	5/3/2023 8:00:00 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @CSO 24, 10 S. CEDAR 2 OF 2, #Y13641 WILKENS 4" RP 375DA
	55351	MULTIPLE LOCATIONS	5/5/2023 11:45:41 AM	CSO Tank Maintenance	Took samples of filling sump at CSO 24-1; one sample to lab and one sample left in tank to bring to lab on Monday. CSO 26 to check on automatic flush - okay. Code enforcement notified us of unlocked hatch over vault leading to overflow line to river - we put a lock on hatch.
	55394	MULTIPLE LOCATIONS	5/9/2023 10:30:51 AM	CSO Tank Maintenance	Installing light sticks and warning signs at csos the have emergency lighting problems. 24-1, I-07, I-03.
	55947	ADAMS BETWEEN 1ST & SPRAGUE	6/8/2023 12:15:00 PM	CSO Tank Maintenance	Checked on outfall pipe and sign for vegetation removal. Removed multiple tree limbs from around sign and shoots growing up around outfall pipe.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-1	56540	MULTIPLE LOCATIONS	7/17/2023 12:00:51 PM	CSO Tank Maintenance	Monthly fire extinguisher checks 12, 16, 24-1, 24-3.
	56811	MULTIPLE LOCATIONS	8/2/2023 3:15:59 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	57699	MULTIPLE LOCATIONS	9/28/2023 2:45:54 PM	CSO Tank Maintenance	Check tanks after early warnings during storm; all tanks okay.
	57734	MULTIPLE LOCATIONS	10/2/2023 3:15:25 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also gather up fire extinguishers for annual inspection and recertification.
	57902	MULTIPLE LOCATIONS	10/6/2023 10:15:33 AM	CSO Tank Maintenance	Reinstall fire extinguishers after annual inspection and recertification. All fire extinguishers have been reinstalled.
	58120	MULTIPLE LOCATIONS	10/20/2023 12:15:29 PM	CSO Tank Maintenance	Meet with Mike Schug and team at CSO 26 and CSO 24-1 for monitoring and tank access.
	58198	MULTIPLE LOCATIONS	10/25/2023 3:15:26 PM	CSO Tank Maintenance	Site visits for security and check for vandalism. CSO 26 take over closing tank for monitoring crew after Power City finishes.
	58288	MULTIPLE LOCATIONS	11/1/2023 3:15:02 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Leaky shut off valve on downstream rp at CSO 12 and leaking diaphragm and shut off valve on rp device.
	58480	MULTIPLE LOCATIONS	11/9/2023 2:45:05 PM	CSO Tank Maintenance	CSO training.
		MULTIPLE LOCATIONS	11/9/2023 2:45:05 PM	CSO Tank Maintenance	Meet with city electrician Brian and contractors to discuss replacement lighting items for the Plaza.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-1	58720	ADAMS BETWEEN 1ST & SPRAGUE	11/30/2023 10:30:18 AM	CSO Tank Maintenance	Discuss options for installing auto-sampler and sample tubing with Luke from monitoring crew.
	58792	MULTIPLE LOCATIONS	12/4/2023 2:15:33 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	58833	MULTIPLE LOCATIONS	12/5/2023 2:30:09 PM	CSO Tank Maintenance	CSO 10 flow control stopped up with rags and small debris causing CTI level to rise abnormally. Broke up rags and held slide up to allow flow to decrease back to normal.
		MULTIPLE LOCATIONS	12/5/2023 2:30:09 PM	CSO Tank Maintenance	CSO 24-1 completed an auto-flush cycle. Tanks are reset for next event.
	58867	MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Checking on tank with flow into flush tanks and early warning locations that rarely get high flows. CSO 34-1 flush tank #1 and #2 had taken on flows. CSO 24-1 flush tanks found full. CSO 6 and 12 had auto flushed after events. CSO 26 okay.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	CSO 26, 10 and 15 are okay - no issues.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Intermediate Event checks required at CSO 6, 12, 24-1, 26, 33-1, and 34-1.
	59194	MULTIPLE LOCATIONS	12/28/2023 3:15:23 PM	CSO Tank Maintenance	Training at CSO 26, 24-1, 34-3, I-07, and 16. Pick up copper pie from CSO 34-1 and dropped off at I-07. Got heater running at CSO 34-3 and started odor control to dry out tank and vent lines. Gathered parts from CSO 26 for future repair work.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-2	54847	MULTIPLE LOCATIONS	4/10/2023 3:15:31 PM	CSO Tank Maintenance	Site surveys. All found in good condition.
	57669	MULTIPLE LOCATIONS	9/26/2023 2:30:58 PM	CSO Tank Maintenance	Check tanks for broken parts in the street. Also dry fit 3x3 safety grate at CSO 38-2; not going to work - need to order. Per monitoring checked on CSO 25 for early warning; okay.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-3 HATCH (CSO 20-1)	53771	MULTIPLE LOCATIONS	2/3/2023 3:15:56 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	53803	MULTIPLE LOCATIONS	2/7/2023 2:30:39 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. I-04, 24-1, 24-3, 16, 38-2, 38-1, I-07, 33-2.
	54067	MULTIPLE LOCATIONS	2/27/2023 3:00:05 PM	CSO Tank Maintenance	Yearly odor control unit checks 24-3 bad motor, 34-3 add material, I-07 ok
	54167	MULTIPLE LOCATIONS	3/3/2023 2:00:14 PM	CSO Tank Maintenance	Monthly checks complete. Service request made to facility maintenance for EUH1 at CSO 34-1 for leaking fluid from coils. We will notify Chris Clarke about air monitoring light out at CSO 33-1 and a bad LEL sensor at CSO 12.
	54706	MULTIPLE LOCATIONS	4/4/2023 10:30:00 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Flushgate control panel not powered at CSO 24-3.
	54847	MULTIPLE LOCATIONS	4/10/2023 3:15:31 PM	CSO Tank Maintenance	Site surveys. All found in good condition.
	55085	43RD & GARFIELD	4/25/2023 10:00:13 AM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING @ CSO 24-3 (CSO 20-1) - #B033742 375XL WILKENS RP 2"
	55213	MULTIPLE LOCATIONS	5/1/2023 3:15:01 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 24-1 has no internal air monitoring working and PLC is without power. Emergency lighting in maintenance level inoperable.
	55324	MULTIPLE LOCATIONS	5/4/2023 2:00:00 PM	CSO Tank Maintenance	CSO 24-3, verify emergency lighting. CSO 26 fill and flush but automatic cycle does not work. Troubleshoot with Wade Floyd, plc may need re-programming.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-3 HATCH (CSO 20-1)	55324	MULTIPLE LOCATIONS	5/4/2023 2:00:00 PM	CSO Tank Maintenance	CSO 26 odor control turned on for Bloomsday weekend.
	55712	43RD & GARFIELD	5/30/2023 10:30:10 AM	CSO Tank Maintenance	Check on and turn off odor control unit after new motor install and run over the weekend. Unit okay. Need to come back for intermediate checks.
	55868	MULTIPLE LOCATIONS	6/5/2023 3:00:20 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks and first aid supplies as needed. Cso 6, 16, I-04, 24-3.
	56540	MULTIPLE LOCATIONS	7/17/2023 12:00:51 PM	CSO Tank Maintenance	Monthly fire extinguisher checks 12, 16, 24-1, 24-3.
	56811	MULTIPLE LOCATIONS	8/2/2023 3:15:59 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	57341	MULTIPLE LOCATIONS	9/5/2023 3:00:16 PM	CSO Tank Maintenance	Monthly fire extinguisher and equipment checks. 16 used grinder on stickey hatch, 24-3.
	57669	MULTIPLE LOCATIONS	9/26/2023 2:30:58 PM	CSO Tank Maintenance	Check tanks for broken parts in the street. Also dry fit 3x3 safety grate at CSO 38-2; not going to work - need to order. Per monitoring checked on CSO 25 for early warning; okay.
	57734	MULTIPLE LOCATIONS	10/2/2023 3:15:25 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also gather up fire extinguishers for annual inspection and recertification.
	57828	MULTIPLE LOCATIONS	10/4/2023 3:15:28 PM	CSO Tank Maintenance	Reinstall inspected fire extinguishers.
	58338	MULTIPLE LOCATIONS	11/2/2023 2:00:35 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 24-3, 34-3, 34-2, I-07, 34-1, 38-2

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-3 HATCH (CSO 20-1)	58460	MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Add delineators leading up to 3c vault for ease of finding for CSO call-out crews. Training on location and operation of CSO 2, overflow vault, and outfall location and sign.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Laborers check on multiple tanks using the CSO call-out maps. CSO 24-2, 34-2, 10, and 38-1 where all visited. No comments on improvements submitted by laborers; they found everything easily.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Site visit CSO 42. Removed large rock from river access driveway. Reinstalled 2 loose bolts on hatch.
	58792	MULTIPLE LOCATIONS	12/4/2023 2:15:33 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 25	53504	MULTIPLE LOCATIONS	1/20/2023 2:00:19 PM	CSO Tank Maintenance	Checked on I-04 carbon level after extended operation. Needed to add another box to cell #2 from media settling. Taught location and O&Ms for multiple tanks. Picked up additional radio clip from radio shop.
	53903	MULTIPLE LOCATIONS	2/13/2023 3:15:39 PM	CSO Tank Maintenance	Check on CSO 16 and 25; both okay.
	57669	MULTIPLE LOCATIONS	9/26/2023 2:30:58 PM	CSO Tank Maintenance	Check tanks for broken parts in the street. Also dry fit 3x3 safety grate at CSO 38-2; not going to work - need to order. Per monitoring checked on CSO 25 for early warning; okay.
	58198	MULTIPLE LOCATIONS	10/25/2023 3:15:26 PM	CSO Tank Maintenance	Site visits for security and check for vandalism. CSO 26 take over closing tank for monitoring crew after Power City finishes.
	58435	MULTIPLE LOCATIONS	11/7/2023 3:15:03 PM	CSO Tank Maintenance	CSO 25 looking okay after multiple early warning alarms.
		MULTIPLE LOCATIONS	11/7/2023 3:15:03 PM	CSO Tank Maintenance	CSO 34-2 checked after storm event and early warning. Tank had taken on flow into tanks #1 and #2. Flushed tanks and checked FCC; okay.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	53320	SFB & LINCOLN	1/9/2023 3:15:24 PM	CSO Tank Maintenance	Training on operations and maintenance.
	53347	MULTIPLE LOCATIONS	1/10/2023 3:15:19 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	53414	MULTIPLE LOCATIONS	1/16/2023 2:30:40 PM	CSO Tank Maintenance	Checked on outfalls foe CSO 33-2/33-1 and 34-1 for training.
		MULTIPLE LOCATIONS	1/16/2023 2:30:40 PM	CSO Tank Maintenance	Dropped off "super sacks" at CSO 26 and grabbed backer-rod for gaps at CSO 34-2 over odor control units.
	53755	SFB & LINCOLN	2/3/2023 2:00:44 PM	CSO Tank Maintenance	Work on storage racks in cso and pick up tools for hatch drain system.
	53771	MULTIPLE LOCATIONS	2/3/2023 3:15:56 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	53785	MULTIPLE LOCATIONS	2/6/2023 3:30:00 PM	CSO Tank Maintenance	Monthly cso fire extinguisher and odor control checks. cso 26, 33-1, 6, 12, I-03.
	54042	MULTIPLE LOCATIONS	2/23/2023 3:15:25 PM	CSO Tank Maintenance	Annual odor control inspection of media condition, level in each cell, and pre-filtration cleanliness. Also training for Jimmy as laborer with Scott Wischmann.
	54158	MULTIPLE LOCATIONS	3/2/2023 2:45:12 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	54403	MULTIPLE LOCATIONS	3/15/2023 11:30:43 AM	CSO Tank Maintenance	CSO 42 still has abandoned fifth wheel trailer near it on Surro. Called Code enforcement.
		MULTIPLE LOCATIONS	3/15/2023 11:30:43 AM	CSO Tank Maintenance	Early warning on multiple tanks. Checked on tank and FCC conditions; all okay.
	54706	MULTIPLE LOCATIONS	4/4/2023 10:30:00 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Flushgate control panel not powered at CSO 24-3.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	55254	SFB & LINCOLN	5/2/2023 10:00:53 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ CSO 26, 904 W. SPOKANE FALLS BLVD, #45604 WILKENS 4" RP 375A
	55240	MULTIPLE LOCATIONS	5/2/2023 3:15:33 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also checking emergency lighting operation for flaws. Identified multiple lighting units not working correctly in emergency.
	55324	MULTIPLE LOCATIONS	5/4/2023 2:00:00 PM	CSO Tank Maintenance	CSO 24-3, verify emergency lighting. CSO 26 fill and flush but automatic cycle does not work. Troubleshoot with Wade Floyd, plc may need re-programming.
		MULTIPLE LOCATIONS	5/4/2023 2:00:00 PM	CSO Tank Maintenance	CSO 26 odor control turned on for Bloomsday weekend.
	55351	MULTIPLE LOCATIONS	5/5/2023 11:45:41 AM	CSO Tank Maintenance	Took samples of filling sump at CSO 24-1; one sample to lab and one sample left in tank to bring to lab on Monday. CSO 26 to check on automatic flush - okay. Code enforcement notified us of unlocked hatch over vault leading to overflow line to river - we put a lock on hatch.
	55854	SFB & LINCOLN	6/2/2023 3:00:45 PM	CSO Tank Maintenance	Check on flush cycle does not seem to work properly will check with monitoring crew to check.
	55942	SFB & LINCOLN	6/8/2023 11:30:41 AM	CSO Tank Maintenance	Meet with Mike Schug and team to troubleshoot SCADA system link with PLC.
	56531	SFB & LINCOLN	7/14/2023 9:00:52 AM	CSO Tank Maintenance	Monthly cso checks fire extinguisher odor control and control room Cso 26
	56811	MULTIPLE LOCATIONS	8/2/2023 3:15:59 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	57287	MULTIPLE LOCATIONS	9/1/2023 3:00:12 PM	CSO Tank Maintenance	Monthly fire extinguisher and equipment checks. 33-1, 26, 6, 12.
	57699	MULTIPLE LOCATIONS	9/28/2023 2:45:54 PM	CSO Tank Maintenance	Check tanks after early warnings during storm; all tanks okay.
	57734	MULTIPLE LOCATIONS	10/2/2023 3:15:25 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also gather up fire extinguishers for annual inspection and recertification.
	57902	MULTIPLE LOCATIONS	10/6/2023 10:15:33 AM	CSO Tank Maintenance	Reinstall fire extinguishers after annual inspection and recertification. All fire extinguishers have been reinstalled.
	58120	MULTIPLE LOCATIONS	10/20/2023 12:15:29 PM	CSO Tank Maintenance	Meet with Mike Schug and team at CSO 26 and CSO 24 -1 for monitoring and tank access.
	58198	MULTIPLE LOCATIONS	10/25/2023 3:15:26 PM	CSO Tank Maintenance	Site visits for security and check for vandalism. CSO 26 take over closing tank for monitoring crew after Power City finishes.
	58247	MULTIPLE LOCATIONS	10/30/2023 2:30:32 PM	CSO Tank Maintenance	Check on parts on hand and site visit. Research replacement parts and vendors for items vandalized at CSO 26.
	58288	MULTIPLE LOCATIONS	11/1/2023 3:15:02 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Leaky shut off valve on downstream rp at CSO 12 and leaking diaphragm and shut off valve on rp device.
	58480	MULTIPLE LOCATIONS	11/9/2023 2:45:05 PM	CSO Tank Maintenance	CSO training.
		MULTIPLE LOCATIONS	11/9/2023 2:45:05 PM	CSO Tank Maintenance	Meet with city electrician Brian and contractors to discuss replacement lighting items for the Plaza.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	58792	MULTIPLE LOCATIONS	12/4/2023 2:15:33 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	58867	MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Checking on tank with flow into flush tanks and early warning locations that rarely get high flows. CSO 34-1 flush tank #1 and #2 had taken on flows. CSO 24-1 flush tanks found full. CSO 6 and 12 had auto flushed after events. CSO 26 okay.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	CSO 26, 10 and 15 are okay - no issues.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Intermediate Event checks required at CSO 6, 12, 24-1, 26, 33-1, and 34-1.
	59194	MULTIPLE LOCATIONS	12/28/2023 3:15:23 PM	CSO Tank Maintenance	Training at CSO 26, 24-1, 34-3, I-07, and 16. Pick up copper pie from CSO 34-1 and dropped off at I-07. Got heater running at CSO 34-3 and started odor control to dry out tank and vent lines. Gathered parts from CSO 26 for future repair work.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-1	53365	3RD & DENVER	1/11/2023 8:00:23 AM	CSO Tank Maintenance	Checked on CSO 33-1 control vault at 5th and Denver for issue with a probe for monitoring crew. Found sonic plate dirty so we cleaned it off and it seemed to fix the problem.
	53349	MULTIPLE LOCATIONS	1/11/2023 3:15:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 12 has LEL detector malfunction and alarm going off in electrical room.
	53785	MULTIPLE LOCATIONS	2/6/2023 3:30:00 PM	CSO Tank Maintenance	Monthly cso fire extinguisher and odor control checks. cso 26, 33-1, 6, 12, I-03.
	54089	MULTIPLE LOCATIONS	3/1/2023 3:15:00 PM	CSO Tank Maintenance	Annual odor control units' carbon media condition and level checks. Replaced media as necessary. Returned to CSO 34-3 to turn off units running to dry out condensation build-up in ventilation pipes.
	54167	MULTIPLE LOCATIONS	3/3/2023 2:00:14 PM	CSO Tank Maintenance	Monthly checks complete. Service request made to facility maintenance for EUH1 at CSO 34-1 for leaking fluid from coils. We will notify Chris Clarke about air monitoring light out at CSO 33-1 and a bad LEL sensor at CSO 12.
	54772	MULTIPLE LOCATIONS	4/5/2023 3:15:15 PM	CSO Tank Maintenance	Monthly CSO fire extinguisher and odor control checks.
	55127	3RD & DENVER	4/26/2023 2:30:55 PM	CSO Tank Maintenance	Paint over graffiti on back flow preventer box.
	55208	3RD & DENVER	5/1/2023 11:00:50 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ CSO 33-1, E. 1100 3RD, #4368325 3/4" WILKENS RP 975XL 1 OF 2

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-1	55306	3RD & DENVER	5/3/2023 9:30:23 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @CSO E. 1100 3RD CSO 33-1 2OF2 #Y12645 WILKENS RPDA 4" 375 DA
	55297	MULTIPLE LOCATIONS	5/3/2023 3:15:55 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks complete. Multiple emergency lighting systems not working or not installed. Temporary use light sticks will be installed until lighting issues are resolved.
	55546	MULTIPLE LOCATIONS	5/17/2023 3:00:38 PM	CSO Tank Maintenance	Went to multiple locations with Brian from facilities maintenance for heater removals, thermostat relocations and for emergency lighting checks.
	56564	MULTIPLE LOCATIONS	7/18/2023 11:45:59 AM	CSO Tank Maintenance	All tanks okay. Monthly tank checks complete.
	56573	MULTIPLE LOCATIONS	7/18/2023 2:15:31 PM	CSO Tank Maintenance	Added "No Parking" signs to entrance gates.
	56856	MULTIPLE LOCATIONS	8/3/2023 11:30:53 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. All checks complete. CSO 34-3 low differential pressure light not working.
	57287	MULTIPLE LOCATIONS	9/1/2023 3:00:12 PM	CSO Tank Maintenance	Monthly fire extinguisher and equipment checks. 33-1, 26, 6, 12.
	57815	MULTIPLE LOCATIONS	10/3/2023 11:45:36 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Fire extinguishers removed for annual inspection and recertification. CSO 33-1 odor control locked-out, tagged-out for driver fire in control panel.
	57868	MULTIPLE LOCATIONS	10/5/2023 1:30:08 PM	CSO Tank Maintenance	Reinstall fire extinguishers after annual inspection and recertification.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-1	58000	3RD & DENVER	10/12/2023 3:15:41 PM	CSO Tank Maintenance	Structural inspection by LSB Engineering. Cell #1 complete. Cell #2 flush tanks and partial #3 tank complete.
	58069	3RD & DENVER	10/18/2023 3:15:30 PM	CSO Tank Maintenance	Structural inspection of diversion vault, overflow vault, cell #2 flushways 3-5. Need to finish flushway 6 and cell #2 sump.
	58110	3RD & DENVER	10/19/2023 2:15:29 PM	CSO Tank Maintenance	Finished Cell#2 for structural inspection with LSB Engineering.
	58412	MULTIPLE LOCATIONS	11/6/2023 3:15:52 PM	CSO Tank Maintenance	Monthly checks complete. Heaters operational. Need to check RP enclosure heat tape at CSO 38-1, and 33-2.
		MULTIPLE LOCATIONS	11/6/2023 3:15:52 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also checking heaters operation and backflow heater or heat tape.
	58823	MULTIPLE LOCATIONS	12/5/2023 11:00:12 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	58867	MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Checking on tank with flow into flush tanks and early warning locations that rarely get high flows. CSO 34-1 flush tank #1 and #2 had taken on flows. CSO 24-1 flush tanks found full. CSO 6 and 12 had auto flushed after events. CSO 26 okay.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	CSO 26, 10 and 15 are okay - no issues.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Intermediate Event checks required at CSO 6, 12, 24-1, 26, 33-1, and 34-1.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-2	53248	CSO TANK S OF SPRAGUE, E OF SCOTT	1/4/2023 3:00:35 PM	CSO Tank Maintenance	Getting pump and hose ready and pump water from mechanical room. run odor control. Check fire extinguisher.
	53449	MULTIPLE LOCATIONS	1/18/2023 3:15:48 PM	CSO Tank Maintenance	Fill and flush tanks at CSO 33-2 to clean and for training of O&Ms. The water main was shut off at the meter and had water crew come out to open. While open the irrigation system leaks from control box. Closed off curb stop for water supply when finished flushing.
		MULTIPLE LOCATIONS	1/18/2023 3:15:48 PM	CSO Tank Maintenance	Flushed tanks #1 and #2. Policed top of tank for garbage and debris. Verified belt tension on odor control unit #1; okay.
	53803	MULTIPLE LOCATIONS	2/7/2023 2:30:39 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. I-04, 24-1, 24-3, 16, 38-2, 38-1, I-07, 33-2.
	54089	MULTIPLE LOCATIONS	3/1/2023 3:15:00 PM	CSO Tank Maintenance	Annual odor control units' carbon media condition and level checks. Replaced media as necessary. Returned to CSO 34-3 to turn off units running to dry out condensation build-up in ventilation pipes.
	54159	CSO TANK S OF SPRAGUE, E OF SCOTT	3/2/2023 9:30:58 AM	CSO Tank Maintenance	Annual odor control carbon media check of condition and level.
	54158	MULTIPLE LOCATIONS	3/2/2023 2:45:12 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-2	54662	MULTIPLE LOCATIONS	4/3/2023 1:45:59 PM	CSO Tank Maintenance	Monthly CSO fire extinguisher and odor control checks. CSO 12 has an O2 sensor gone bad, alarm going off. I-03 electroslide still in OFF, awaiting monitoring crew approval to check settings and put back into automatic.
	55312	CSO TANK S OF SPRAGUE, E OF SCOTT	5/3/2023 10:30:28 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ CSO 33-2, 902 E. SPRAGUE #A490465 2" WILKENS RP 375XL
	55297	MULTIPLE LOCATIONS	5/3/2023 3:15:55 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks complete. Multiple emergency lighting systems not working or not installed. Temporary use light sticks will be installed until lighting issues are resolved.
	55546	MULTIPLE LOCATIONS	5/17/2023 3:00:38 PM	CSO Tank Maintenance	Went to multiple locations with Brian from facilities maintenance for heater removals, thermostat relocations and for emergency lighting checks.
	56564	MULTIPLE LOCATIONS	7/18/2023 11:45:59 AM	CSO Tank Maintenance	All tanks okay. Monthly tank checks complete.
	56856	MULTIPLE LOCATIONS	8/3/2023 11:30:53 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. All checks complete. CSO 34-3 low differential pressure light not working.
	57353	MULTIPLE LOCATIONS	9/6/2023 3:15:22 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks complete.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-2	57815	MULTIPLE LOCATIONS	10/3/2023 11:45:36 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Fire extinguishers removed for annual inspection and recertification. CSO 33-1 odor control locked-out, tagged-out for driver fire in control panel.
	57868	MULTIPLE LOCATIONS	10/5/2023 1:30:08 PM	CSO Tank Maintenance	Reinstall fire extinguishers after annual inspection and recertification.
	58412	MULTIPLE LOCATIONS	11/6/2023 3:15:52 PM	CSO Tank Maintenance	Monthly checks complete. Heaters operational. Need to check RP enclosure heat tape at CSO 38-1, and 33-2.
		MULTIPLE LOCATIONS	11/6/2023 3:15:52 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also checking heaters operation and backflow heater or heat tape.
	58823	MULTIPLE LOCATIONS	12/5/2023 11:00:12 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	58867	MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Checking on tank with flow into flush tanks and early warning locations that rarely get high flows. CSO 34-1 flush tank #1 and #2 had taken on flows. CSO 24-1 flush tanks found full. CSO 6 and 12 had auto flushed after events. CSO 26 okay.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	CSO 26, 10 and 15 are okay - no issues.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Intermediate Event checks required at CSO 6, 12, 24-1, 26, 33-1, and 34-1.
	58954	MULTIPLE LOCATIONS	12/13/2023 9:30:19 AM	CSO Tank Maintenance	Check heat tape for RP device in enclosures. CSO 33-2 requires replacement all others checked good.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-1 CRESTLINE	53504	MULTIPLE LOCATIONS	1/20/2023 2:00:19 PM	CSO Tank Maintenance	Checked on I-04 carbon level after extended operation. Needed to add another box to cell #2 from media settling. Taught location and O&Ms for multiple tanks. Picked up additional radio clip from radio shop.
	53771	MULTIPLE LOCATIONS	2/3/2023 3:15:56 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	54047	MULTIPLE LOCATIONS	2/24/2023 3:15:35 PM	CSO Tank Maintenance	Annual odor control inspections of media level, condition, and pre-filtration screens.
	54167	MULTIPLE LOCATIONS	3/3/2023 2:00:14 PM	CSO Tank Maintenance	Monthly checks complete. Service request made to facility maintenance for EUH1 at CSO 34-1 for leaking fluid from coils. We will notify Chris Clarke about air monitoring light out at CSO 33-1 and a bad LEL sensor at CSO 12.
	54805	MULTIPLE LOCATIONS	4/6/2023 3:15:43 PM	CSO Tank Maintenance	Check on I-07 flow control and channel as flows were higher than normal. Large rags pile developed behind slide. Opened slide to release rags pile. Reset slide back to normal position. Monthly fire extinguisher and odor control checks complete.
	54847	MULTIPLE LOCATIONS	4/10/2023 3:15:31 PM	CSO Tank Maintenance	Site surveys. All found in good condition.
	55187	RIVERSIDE BTWN LEE-CRESTLINE	5/1/2023 10:00:26 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ CSO 34-1 2110 E. RIVERSIDE, #SH1066 WATTS DC 4" 757

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-1 CRESTLINE	55213	MULTIPLE LOCATIONS	5/1/2023 3:15:01 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 24-1 has no internal air monitoring working and PLC is without power. Emergency lighting in maintenance level inoperable.
	55246	RIVERSIDE BTWN LEE-CRESTLINE	5/2/2023 9:00:53 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ CSO 34-1 2110 E. RIVERSIDE #41211 WILKENS 4" RP 375A
	56731	RIVERSIDE BTWN LEE-CRESTLINE	7/27/2023 11:00:16 AM	CSO Tank Maintenance	Installed grab sampler in over flow weir side of channel.
	56856	MULTIPLE LOCATIONS	8/3/2023 11:30:53 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. All checks complete. CSO 34-3 low differential pressure light not working.
	57699	MULTIPLE LOCATIONS	9/28/2023 2:45:54 PM	CSO Tank Maintenance	Check tanks after early warnings during storm; all tanks okay.
	57734	MULTIPLE LOCATIONS	10/2/2023 3:15:25 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also gather up fire extinguishers for annual inspection and recertification.
	58180	MULTIPLE LOCATIONS	10/24/2023 3:15:17 PM	CSO Tank Maintenance	Site visits found 2 signs down around CSO 34-1 at Lee and Sprague. Removed garbage and checked for holes in security fencing around I-07.
	58338	MULTIPLE LOCATIONS	11/2/2023 2:00:35 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 24-3, 34-3, 34-2, I-07, 34-1, 38-2
	58823	MULTIPLE LOCATIONS	12/5/2023 11:00:12 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-1 CRESTLINE	58867	MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Checking on tank with flow into flush tanks and early warning locations that rarely get high flows. CSO 34-1 flush tank #1 and #2 had taken on flows. CSO 24-1 flush tanks found full. CSO 6 and 12 had auto flushed after events. CSO 26 okay.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	CSO 26, 10 and 15 are okay - no issues.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Intermediate Event checks required at CSO 6, 12, 24-1, 26, 33-1, and 34-1.
	59048	MULTIPLE LOCATIONS	12/19/2023 9:00:15 AM	CSO Tank Maintenance	Check on CSO 23-1, 23-2, and CSO 34-1. Tightened bolts on hatches in the street CSO 23-1. Picked up garbage on CSO 34-1 lot and discovered grease having been dumped over jersey barrier onto rock behind Zips. We spoke with manager about issue and he said they have not seen anyone on security camera doing it yet.
		MULTIPLE LOCATIONS	12/19/2023 9:00:15 AM	CSO Tank Maintenance	Check on FOG build-up in FCC. Some build-up, will check again for cleaning in a few weeks.
	59194	MULTIPLE LOCATIONS	12/28/2023 3:15:23 PM	CSO Tank Maintenance	Training at CSO 26, 24-1, 34-3, I-07, and 16. Pick up copper pie from CSO 34-1 and dropped off at I-07. Got heater running at CSO 34-3 and started odor control to dry out tank and vent lines. Gathered parts from CSO 26 for future repair work.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-2	53389	MULTIPLE LOCATIONS	1/13/2023 12:00:58 PM	CSO Tank Maintenance	Checked on tanks and trained the O&Ms for CSO 34-3, 34-2, and CSO 41. CSO 41 FCC had the float stuck in the vertical position again. We need to take the hydroslide apart and check for debris or burs in the cam mechanism.
	53414	MULTIPLE LOCATIONS	1/16/2023 2:30:40 PM	CSO Tank Maintenance	Checked on outfalls for CSO 33-2/33-1 and 34-1 for training.
		MULTIPLE LOCATIONS	1/16/2023 2:30:40 PM	CSO Tank Maintenance	Dropped off "super sacks" at CSO 26 and grabbed backer-rod for gaps at CSO 34-2 over odor control units.
	53771	MULTIPLE LOCATIONS	2/3/2023 3:15:56 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	54089	MULTIPLE LOCATIONS	3/1/2023 3:15:00 PM	CSO Tank Maintenance	Annual odor control units' carbon media condition and level checks. Replaced media as necessary. Returned to CSO 34-3 to turn off units running to dry out condensation build-up in ventilation pipes.
	54167	MULTIPLE LOCATIONS	3/3/2023 2:00:14 PM	CSO Tank Maintenance	Monthly checks complete. Service request made to facility maintenance for EUH1 at CSO 34-1 for leaking fluid from coils. We will notify Chris Clarke about air monitoring light out at CSO 33-1 and a bad LEL sensor at CSO 12.
	54772	MULTIPLE LOCATIONS	4/5/2023 3:15:15 PM	CSO Tank Maintenance	Monthly CSO fire extinguisher and odor control checks.
	54847	MULTIPLE LOCATIONS	4/10/2023 3:15:31 PM	CSO Tank Maintenance	Site surveys. All found in good condition.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-2	55095	CSO TANK UNDERHILL PARK	4/25/2023 11:30:09 AM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING @ 900S. FISKE 1 OF 2, 2" WILKENS RP 975XL #3902502
	55096	CSO TANK UNDERHILL PARK	4/25/2023 12:00:12 PM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING @ 900 S. FISKE- 2 OF 2, 2" RP WILKENS 375XL
	55297	MULTIPLE LOCATIONS	5/3/2023 3:15:55 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks complete. Multiple emergency lighting systems not working or not installed. Temporary use light sticks will be installed until lighting issues are resolved.
	55534	CSO TANK UNDERHILL PARK	5/17/2023 2:00:37 PM	CSO Tank Maintenance	Set up m/h entry and assist Gwain & Morgan from Parametrix to survey cti channel.
	55546	MULTIPLE LOCATIONS	5/17/2023 3:00:38 PM	CSO Tank Maintenance	Went to multiple locations with Brian from facilities maintenance for heater removals, thermostat relocations and for emergency lighting checks.
	55888	CSO TANK UNDERHILL PARK	6/6/2023 3:00:49 PM	CSO Tank Maintenance	Working on inspection of flush ways and flush tanks for infiltration and work on air in flush gate hydraulic system not repaired yet.
	56564	MULTIPLE LOCATIONS	7/18/2023 11:45:59 AM	CSO Tank Maintenance	All tanks okay. Monthly tank checks complete.
	56856	MULTIPLE LOCATIONS	8/3/2023 11:30:53 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. All checks complete. CSO 34-3 low differential pressure light not working.
	57353	MULTIPLE LOCATIONS	9/6/2023 3:15:22 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks complete.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-2	57734	MULTIPLE LOCATIONS	10/2/2023 3:15:25 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also gather up fire extinguishers for annual inspection and recertification.
	57868	MULTIPLE LOCATIONS	10/5/2023 1:30:08 PM	CSO Tank Maintenance	Reinstall fire extinguishers after annual inspection and recertification.
	58338	MULTIPLE LOCATIONS	11/2/2023 2:00:35 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 24-3, 34-3, 34-2, I-07, 34-1, 38-2
	58435	MULTIPLE LOCATIONS	11/7/2023 3:15:03 PM	CSO Tank Maintenance	CSO 25 looking okay after multiple early warning alarms.
		MULTIPLE LOCATIONS	11/7/2023 3:15:03 PM	CSO Tank Maintenance	CSO 34-2 checked after storm event and early warning. Tank had taken on flow into tanks #1 and #2. Flushed tanks and checked FCC; okay.
	58460	MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Add delineators leading up to 3c vault for ease of finding for CSO call-out crews. Training on location and operation of CSO 2, overflow vault, and outfall location and sign.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Laborers check on multiple tanks using the CSO call-out maps. CSO 24-2, 34-2, 10, and 38-1 where all visited. No comments on improvements submitted by laborers; they found everything easily.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Site visit CSO 42. Removed large rock from river access driveway. Reinstalled 2 loose bolts on hatch.
	58792	MULTIPLE LOCATIONS	12/4/2023 2:15:33 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	58954	MULTIPLE LOCATIONS	12/13/2023 9:30:19 AM	CSO Tank Maintenance	Check heat tape for RP device in enclosures. CSO 33-2 requires replacement all others checked good.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-3	53389	MULTIPLE LOCATIONS	1/13/2023 12:00:58 PM	CSO Tank Maintenance	Checked on tanks and trained the O&Ms for CSO 34-3, 34-2, and CSO 41. CSO 41 FCC had the float stuck in the vertical position again. We need to take the hydroslide apart and check for debris or burs in the cam mechanism.
	53449	MULTIPLE LOCATIONS	1/18/2023 3:15:48 PM	CSO Tank Maintenance	Fill and flush tanks at CSO 33-2 to clean and for training of O&Ms. The water main was shut off at the meter and had water crew come out to open. While open the irrigation system leaks from control box. Closed off curb stop for water supply when finished flushing.
		MULTIPLE LOCATIONS	1/18/2023 3:15:48 PM	CSO Tank Maintenance	Flushed tanks #1 and #2. Policed top of tank for garbage and debris. Verified belt tension on odor control unit #1; okay.
	53475	MULTIPLE LOCATIONS	1/19/2023 3:15:48 PM	CSO Tank Maintenance	Finish fill and flush at CSO 34-3 tanks #3 and #4. Location and training for CSOs 42, and 41.
	53771	MULTIPLE LOCATIONS	2/3/2023 3:15:56 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	54067	MULTIPLE LOCATIONS	2/27/2023 3:00:05 PM	CSO Tank Maintenance	Yearly odor control unit checks 24-3 bad motor, 34-3 add material, I-07 ok
	54089	MULTIPLE LOCATIONS	3/1/2023 3:15:00 PM	CSO Tank Maintenance	Annual odor control units' carbon media condition and level checks. Replaced media as necessary. Returned to CSO 34-3 to turn off units running to dry out condensation build-up in ventilation pipes.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-3	54167	MULTIPLE LOCATIONS	3/3/2023 2:00:14 PM	CSO Tank Maintenance	Monthly checks complete. Service request made to facility maintenance for EUH1 at CSO 34-1 for leaking fluid from coils. We will notify Chris Clarke about air monitoring light out at CSO 33-1 and a bad LEL sensor at CSO 12.
	54330	E/O RAY NEAR CONGRESS	3/10/2023 3:00:08 PM	CSO Tank Maintenance	Annual HVAC checks complete. Modified odor control unit motors to have zerk fittings for bearing lubrication. No other significant findings.
	54772	MULTIPLE LOCATIONS	4/5/2023 3:15:15 PM	CSO Tank Maintenance	Monthly CSO fire extinguisher and odor control checks.
	54847	MULTIPLE LOCATIONS	4/10/2023 3:15:31 PM	CSO Tank Maintenance	Site surveys. All found in good condition.
	55090	E/O RAY NEAR CONGRESS	4/25/2023 11:00:43 AM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING @ 2100 S. RAY #A396456 2" WILKENS RP
	55297	MULTIPLE LOCATIONS	5/3/2023 3:15:55 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks complete. Multiple emergency lighting systems not working or not installed. Temporary use light sticks will be installed until lighting issues are resolved.
	56542	MULTIPLE LOCATIONS	7/17/2023 2:00:17 PM	CSO Tank Maintenance	Install no parking signs at cso tanks. cso 12, 34-3.
	56856	MULTIPLE LOCATIONS	8/3/2023 11:30:53 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. All checks complete. CSO 34-3 low differential pressure light not working.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-3	57734	MULTIPLE LOCATIONS	10/2/2023 3:15:25 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also gather up fire extinguishers for annual inspection and recertification.
	57868	MULTIPLE LOCATIONS	10/5/2023 1:30:08 PM	CSO Tank Maintenance	Reinstall fire extinguishers after annual inspection and recertification.
	58338	MULTIPLE LOCATIONS	11/2/2023 2:00:35 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 24-3, 34-3, 34-2, I-07, 34-1, 38-2
	58792	MULTIPLE LOCATIONS	12/4/2023 2:15:33 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	58914	MULTIPLE LOCATIONS	12/11/2023 2:30:41 PM	CSO Tank Maintenance	CSO 12 okay. I-03 and CSO 34-3 need snow removal.
		MULTIPLE LOCATIONS	12/11/2023 2:30:41 PM	CSO Tank Maintenance	Plowed CSO 34-3 driveways and entrance. Cleared path on walkway up to top of tank I-03.
	59194	MULTIPLE LOCATIONS	12/28/2023 3:15:23 PM	CSO Tank Maintenance	Training at CSO 26, 24-1, 34-3, I-07, and 16. Pick up copper pie from CSO 34-1 and dropped off at I-07. Got heater running at CSO 34-3 and started odor control to dry out tank and vent lines. Gathered parts from CSO 26 for future repair work.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-1	53347	MULTIPLE LOCATIONS	1/10/2023 3:15:19 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	53803	MULTIPLE LOCATIONS	2/7/2023 2:30:39 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. I-04, 24-1, 24-3, 16, 38-2, 38-1, I-07, 33-2.
	54089	MULTIPLE LOCATIONS	3/1/2023 3:15:00 PM	CSO Tank Maintenance	Annual odor control units' carbon media condition and level checks. Replaced media as necessary. Returned to CSO 34-3 to turn off units running to dry out condensation build-up in ventilation pipes.
	54167	MULTIPLE LOCATIONS	3/3/2023 2:00:14 PM	CSO Tank Maintenance	Monthly checks complete. Service request made to facility maintenance for EUH1 at CSO 34-1 for leaking fluid from coils. We will notify Chris Clarke about air monitoring light out at CSO 33-1 and a bad LEL sensor at CSO 12.
	54772	MULTIPLE LOCATIONS	4/5/2023 3:15:15 PM	CSO Tank Maintenance	Monthly CSO fire extinguisher and odor control checks.
	55158	CSO TANK W OF MAGNOLIA	4/28/2023 8:00:19 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY @ CSO 38-1 1700 E. SO. RIVERTON, #3656462 WILKENS 975XLT RP 2"
	55297	MULTIPLE LOCATIONS	5/3/2023 3:15:55 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks complete. Multiple emergency lighting systems not working or not installed. Temporary use light sticks will be installed until lighting issues are resolved.
	56564	MULTIPLE LOCATIONS	7/18/2023 11:45:59 AM	CSO Tank Maintenance	All tanks okay. Monthly tank checks complete.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-1	56856	MULTIPLE LOCATIONS	8/3/2023 11:30:53 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. All checks complete. CSO 34-3 low differential pressure light not working.
	57353	MULTIPLE LOCATIONS	9/6/2023 3:15:22 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks complete.
	57815	MULTIPLE LOCATIONS	10/3/2023 11:45:36 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Fire extinguishers removed for annual inspection and recertification. CSO 33-1 odor control locked-out, tagged-out for driver fire in control panel.
	57887	CSO TANK W OF MAGNOLIA	10/6/2023 2:30:34 PM	CSO Tank Maintenance	Structural inspection complete.
	58412	MULTIPLE LOCATIONS	11/6/2023 3:15:52 PM	CSO Tank Maintenance	Monthly checks complete. Heaters operational. Need to check RP enclosure heat tape at CSO 38-1, and 33-2.
		MULTIPLE LOCATIONS	11/6/2023 3:15:52 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also checking heaters operation and backflow heater or heat tape.
	58460	MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Add delineators leading up to 3c vault for ease of finding for CSO call-out crews. Training on location and operation of CSO 2, overflow vault, and outfall location and sign.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Laborers check on multiple tanks using the CSO call-out maps. CSO 24-2, 34-2, 10, and 38-1 where all visited. No comments on improvements submitted by laborers; they found everything easily.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Site visit CSO 42. Removed large rock from river access driveway. Reinstalled 2 loose bolts on hatch.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-1	58823	MULTIPLE LOCATIONS	12/5/2023 11:00:12 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	58954	MULTIPLE LOCATIONS	12/13/2023 9:30:19 AM	CSO Tank Maintenance	Check heat tape for RP device in enclosures. CSO 33-2 requires replacement all others checked good.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-2	53347	MULTIPLE LOCATIONS	1/10/2023 3:15:19 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	53803	MULTIPLE LOCATIONS	2/7/2023 2:30:39 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. I-04, 24-1, 24-3, 16, 38-2, 38-1, I-07, 33-2.
	54039	CSO TANK E OF ALTAMONT	2/22/2023 12:15:01 PM	CSO Tank Maintenance	Enter into flush tank to measure for core drilling through utility level floor.
	54089	MULTIPLE LOCATIONS	3/1/2023 3:15:00 PM	CSO Tank Maintenance	Annual odor control units' carbon media condition and level checks. Replaced media as necessary. Returned to CSO 34-3 to turn off units running to dry out condensation build-up in ventilation pipes.
	54167	MULTIPLE LOCATIONS	3/3/2023 2:00:14 PM	CSO Tank Maintenance	Monthly checks complete. Service request made to facility maintenance for EUH1 at CSO 34-1 for leaking fluid from coils. We will notify Chris Clarke about air monitoring light out at CSO 33-1 and a bad LEL sensor at CSO 12.
	54447	CSO TANK E OF ALTAMONT	3/17/2023 3:00:46 PM	CSO Tank Maintenance	Core saw hole into flush tank for flush valve extension.
	54461	CSO TANK E OF ALTAMONT	3/20/2023 11:30:39 AM	CSO Tank Maintenance	Dropped of core saw at treatment plant and finished installing flush tank fill extension.
	54772	MULTIPLE LOCATIONS	4/5/2023 3:15:15 PM	CSO Tank Maintenance	Monthly CSO fire extinguisher and odor control checks.
	55145	CSO TANK E OF ALTAMONT	4/27/2023 11:00:57 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ CSO 38-2, 2400 E. SOUTH RIVERTON, #055660 2" WILKENS RP 375XL

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-2	55297	MULTIPLE LOCATIONS	5/3/2023 3:15:55 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks complete. Multiple emergency lighting systems not working or not installed. Temporary use light sticks will be installed until lighting issues are resolved.
	55546	MULTIPLE LOCATIONS	5/17/2023 3:00:38 PM	CSO Tank Maintenance	Went to multiple locations with Brian from facilities maintenance for heater removals, thermostat relocations and for emergency lighting checks.
	56564	MULTIPLE LOCATIONS	7/18/2023 11:45:59 AM	CSO Tank Maintenance	All tanks okay. Monthly tank checks complete.
	56856	MULTIPLE LOCATIONS	8/3/2023 11:30:53 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. All checks complete. CSO 34-3 low differential pressure light not working.
	57353	MULTIPLE LOCATIONS	9/6/2023 3:15:22 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks complete.
	57669	MULTIPLE LOCATIONS	9/26/2023 2:30:58 PM	CSO Tank Maintenance	Check tanks for broken parts in the street. Also dry fit 3x3 safety grate at CSO 38-2; not going to work - need to order. Per monitoring checked on CSO 25 for early warning; okay.
	57815	MULTIPLE LOCATIONS	10/3/2023 11:45:36 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Fire extinguishers removed for annual inspection and recertification. CSO 33-1 odor control locked-out, tagged-out for driver fire in control panel.
	57816	CSO TANK E OF ALTAMONT	10/3/2023 3:15:27 PM	CSO Tank Maintenance	5-year structural inspection completed by LSB Engineering.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-2	58338	MULTIPLE LOCATIONS	11/2/2023 2:00:35 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 24-3, 34-3, 34-2, I-07, 34-1, 38-2
	58823	MULTIPLE LOCATIONS	12/5/2023 11:00:12 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	58954	MULTIPLE LOCATIONS	12/13/2023 9:30:19 AM	CSO Tank Maintenance	Check heat tape for RP device in enclosures. CSO 33-2 requires replacement all others checked good.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 41	53475	MULTIPLE LOCATIONS	1/19/2023 3:15:48 PM	CSO Tank Maintenance	Finish fill and flush at CSO 34-3 tanks #3 and #4. Location and training for CSOs 42, and 41.
	57495	MULTIPLE LOCATIONS	9/13/2023 12:00:28 PM	CSO Tank Maintenance	Cite visit CSO 42 for dumped items; okay. Site visit CSO 41 checking both FCCs after early warning from previous storm; hydroslide in FCC on Rebecca did not get stuck in the up position as in previous storms before cleaning the cam and mechanism under cover plate.
	57676	MULTIPLE LOCATIONS	9/27/2023 2:30:28 PM	CSO Tank Maintenance	Checking street hatches for damage to order replacement parts.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 42	53475	MULTIPLE LOCATIONS	1/19/2023 3:15:48 PM	CSO Tank Maintenance	Finish fill and flush at CSO 34 -3 tanks #3 and #4. Location and training for CSOs 42, and 41.
	53889	SURRO DR @ S. RIVERTON	2/10/2023 2:45:05 PM	CSO Tank Maintenance	Checked on FCC for FOG after two weeks to build-up; not as much build-up compared to previous finding. Will check in again in two weeks. We are keeping communication with the RPWRF lab.
	53981	SURRO DR @ S. RIVERTON	2/17/2023 8:30:11 AM	CSO Tank Maintenance	Check cso at hydro slide for fog. No problem found.
	54403	MULTIPLE LOCATIONS	3/15/2023 11:30:43 AM	CSO Tank Maintenance	CSO 42 still has abandoned fifth wheel trailer near it on Surro. Called Code enforcement.
		MULTIPLE LOCATIONS	3/15/2023 11:30:43 AM	CSO Tank Maintenance	Early warning on multiple tanks. Checked on tank and FCC conditions; all okay.
	54601	MULTIPLE LOCATIONS	3/28/2023 3:15:37 PM	CSO Tank Maintenance	CSO 42 FCC looked good. No extra build-up of FOG in the channel.
		MULTIPLE LOCATIONS	3/28/2023 3:15:37 PM	CSO Tank Maintenance	Site servey CSO 42 and 16. 311 called for garbage pick-up at CSO 42. CSO 16 okay.
	57236	SURRO DR @ S. RIVERTON	8/30/2023 8:30:33 AM	CSO Tank Maintenance	CCheck cso due to early warning alarm. Hydro slide ws partly obstructed removed obstruction with pole and monitored till normal flow. Checks slide it was ok.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 42	57495	MULTIPLE LOCATIONS	9/13/2023 12:00:28 PM	CSO Tank Maintenance	Cite visit CSO 42 for dumped items; okay. Site visit CSO 41 checking both FCCs after early warning from previous storm; hydroslide in FCC on Rebecca did not get stuck in the up position as in previous storms before cleaning the cam and mechanism under cover plate.
	57676	MULTIPLE LOCATIONS	9/27/2023 2:30:28 PM	CSO Tank Maintenance	Checking street hatches for damage to order replacement parts.
	58065	SURRO DR @ S. RIVERTON	10/17/2023 3:00:13 PM	CSO Tank Maintenance	Site visit to check on FOG build-up in FCC. Approximately 1/2" of FOG build-up in four weeks.
	58247	MULTIPLE LOCATIONS	10/30/2023 2:30:32 PM	CSO Tank Maintenance	Check on parts on hand and site visit. Research replacement parts and vendors for items vandalized at CSO 26.
	58460	MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Add delineators leading up to 3c vault for ease of finding for CSO call-out crews. Training on location and operation of CSO 2, overflow vault, and outfall location and sign.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Laborers check on multiple tanks using the CSO call-out maps. CSO 24-2, 34-2, 10, and 38-1 where all visited. No comments on improvements submitted by laborers; they found everything easily.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Site visit CSO 42. Removed large rock from river access driveway. Reinstalled 2 loose bolts on hatch.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 42	59048	MULTIPLE LOCATIONS	12/19/2023 9:00:15 AM	CSO Tank Maintenance	Check on CSO 23-1, 23-2, and CSO 34-1. Tightened bolts on hatches in the street CSO 23-1. Picked up garbage on CSO 34-1 lot and discovered grease having been dumped over jersey barrier onto rock behind Zips. We spoke with manager about issue and he said they have not seen anyone on security camera doing it yet.
		MULTIPLE LOCATIONS	12/19/2023 9:00:15 AM	CSO Tank Maintenance	Check on FOG build-up in FCC. Some build-up, will check again for cleaning in a few weeks.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 6	53349	MULTIPLE LOCATIONS	1/11/2023 3:15:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 12 has LEL detector malfunction and alarm going off in electrical room.
	53785	MULTIPLE LOCATIONS	2/6/2023 3:30:00 PM	CSO Tank Maintenance	Monthly cso fire extinguisher and odor control checks. cso 26, 33-1, 6, 12, I-03.
	54042	MULTIPLE LOCATIONS	2/23/2023 3:15:25 PM	CSO Tank Maintenance	Annual odor control inspection of media condition, level in each cell, and pre-filtration cleanliness. Also training for Jimmy as laborer with Scott Wischmann.
	54158	MULTIPLE LOCATIONS	3/2/2023 2:45:12 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	54662	MULTIPLE LOCATIONS	4/3/2023 1:45:59 PM	CSO Tank Maintenance	Monthly CSO fire extinguisher and odor control checks. CSO 12 has an O2 sensor gone bad, alarm going off. I-03 electroslide still in OFF, awaiting monitoring crew approval to check settings and put back into automatic.
	55168	UNDERGROUND TANK NW & KIERNAN	4/28/2023 1:00:23 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 3792 W. NORTHWEST BLVD CSO 6, 1OF2 #A435982 2" WILKENS 375XL RP
	55169	UNDERGROUND TANK NW & KIERNAN	4/28/2023 2:00:35 PM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING @ 3792 W. NORTHWEST BLVD CSO 6, #B096460 2" WILKENS RP 375XL
	55240	MULTIPLE LOCATIONS	5/2/2023 3:15:33 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also checking emergency lighting operation for flaws. Identified multiple lighting units not working correctly in emergency.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 6	55868	MULTIPLE LOCATIONS	6/5/2023 3:00:20 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks and first aid supplies as needed. Cso 6, 16, I-04, 24-3.
	56509	UNDERGROUND TANK NW & KIERNAN	7/13/2023 9:00:39 AM	CSO Tank Maintenance	Monthly cso checks fire extinguisher odor control and control rooms. Cso #6
	56687	UNDERGROUND TANK NW & KIERNAN	7/26/2023 9:30:05 AM	CSO Tank Maintenance	Installed overflow sampler bottle at overflow weir.
	56730	UNDERGROUND TANK NW & KIERNAN	7/27/2023 8:30:50 AM	CSO Tank Maintenance	Extended grab sampler pole
	56811	MULTIPLE LOCATIONS	8/2/2023 3:15:59 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	57287	MULTIPLE LOCATIONS	9/1/2023 3:00:12 PM	CSO Tank Maintenance	Monthly fire extinguisher and equipment checks. 33-1, 26, 6, 12.
	57676	MULTIPLE LOCATIONS	9/27/2023 2:30:28 PM	CSO Tank Maintenance	Checking street hatches for damage to order replacement parts.
	57734	MULTIPLE LOCATIONS	10/2/2023 3:15:25 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also gather up fire extinguishers for annual inspection and recertification.
	57828	MULTIPLE LOCATIONS	10/4/2023 3:15:28 PM	CSO Tank Maintenance	Reinstall inspected fire extinguishers.
	58198	MULTIPLE LOCATIONS	10/25/2023 3:15:26 PM	CSO Tank Maintenance	Site visits for security and check for vandalism. CSO 26 take over closing tank for monitoring crew after Power City finishes.
	58288	MULTIPLE LOCATIONS	11/1/2023 3:15:02 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Leaky shut off valve on downstream rp at CSO 12 and leaking diaphragm and shut off valve on rp device.
	58480	MULTIPLE LOCATIONS	11/9/2023 2:45:05 PM	CSO Tank Maintenance	CSO training.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 6	58480	MULTIPLE LOCATIONS	11/9/2023 2:45:05 PM	CSO Tank Maintenance	Meet with city electrician Brian and contractors to discuss replacement lighting items for the Plaza.
	58792	MULTIPLE LOCATIONS	12/4/2023 2:15:33 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	58867	MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Checking on tank with flow into flush tanks and early warning locations that rarely get high flows. CSO 34-1 flush tank #1 and #2 had taken on flows. CSO 24-1 flush tanks found full. CSO 6 and 12 had auto flushed after events. CSO 26 okay.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	CSO 26, 10 and 15 are okay - no issues.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Intermediate Event checks required at CSO 6, 12, 24-1, 26, 33-1, and 34-1.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 7	54061		2/27/2023 8:30:40 AM	CSO Tank Maintenance	Weekly cleaning of flow control channel
	54454		3/20/2023 8:03:18 AM	CSO Tank Maintenance	Weekly check of flow control vault. Channel is ok.
	54573		3/27/2023 8:30:00 AM	CSO Tank Maintenance	Weekly check flow control channel it is ok.
	54950		4/17/2023 1:30:51 PM	CSO Tank Maintenance	Weekly check of cso flow control vault it is ok.
	55366	UNDERGROUND TANK NW & KIERNAN	5/8/2023 9:00:43 AM	CSO Tank Maintenance	Weekly check on flow control channel does not need cleaned.
	56075		6/19/2023 8:30:07 AM	CSO Tank Maintenance	Weekly check of cti channel. Channel is ok.
	56197		6/27/2023 10:00:53 AM	CSO Tank Maintenance	Weekly check of cso 7 cti channel needed cleaned finished.
	56539		7/17/2023 8:30:36 AM	CSO Tank Maintenance	Weekly check at cso 7. Cleaned cti channel.
	56762		7/31/2023 9:30:16 AM	CSO Tank Maintenance	Weekly check of tank. Cleaned cti channel.
	57310		9/5/2023 9:00:17 AM	CSO Tank Maintenance	Weekly check of cso. Cleaned flow control channel.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-04 BOSCH LOT	53349	MULTIPLE LOCATIONS	1/11/2023 3:15:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 12 has LEL detector malfunction and alarm going off in electrical room.
	53504	MULTIPLE LOCATIONS	1/20/2023 2:00:19 PM	CSO Tank Maintenance	Checked on I-04 carbon level after extended operation. Needed to add another box to cell #2 from media settling. Taught location and O&Ms for multiple tanks. Picked up additional radio clip from radio shop.
	53803	MULTIPLE LOCATIONS	2/7/2023 2:30:39 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. I-04, 24-1, 24-3, 16, 38-2, 38-1, I-07, 33-2.
	54047	MULTIPLE LOCATIONS	2/24/2023 3:15:35 PM	CSO Tank Maintenance	Annual odor control inspections of media level, condition, and pre-filtration screens.
	54167	MULTIPLE LOCATIONS	3/3/2023 2:00:14 PM	CSO Tank Maintenance	Monthly checks complete. Service request made to facility maintenance for EUH1 at CSO 34-1 for leaking fluid from coils. We will notify Chris Clarke about air monitoring light out at CSO 33-1 and a bad LEL sensor at CSO 12.
	54191	MULTIPLE LOCATIONS	3/6/2023 3:30:00 PM	CSO Tank Maintenance	Replaced carbon media needed after annual checks complete. I-03 needed 10 cuft. and I-04 needed 4 cuft.
	54706	MULTIPLE LOCATIONS	4/4/2023 10:30:00 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Flushgate control panel not powered at CSO 24-3.
	55259	N/O SUMMIT, E/O MONROE	5/2/2023 10:30:55 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ IO4, 922 W. BRIDGE #37912 RP 4" WILKENS 375A.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-04 BOSCH LOT	55297	MULTIPLE LOCATIONS	5/3/2023 3:15:55 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks complete. Multiple emergency lighting systems not working or not installed. Temporary use light sticks will be installed until lighting issues are resolved.
	55786	N/O SUMMIT, E/O MONROE	6/1/2023 2:00:33 PM	CSO Tank Maintenance	Check on I-04 after storm. Flush tanks are clear and doors reset. Automatic flush occurred. Tank okay.
	55868	MULTIPLE LOCATIONS	6/5/2023 3:00:20 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks and first aid supplies as needed. Cso 6, 16, I-04, 24-3.
	56811	MULTIPLE LOCATIONS	8/2/2023 3:15:59 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	57734	MULTIPLE LOCATIONS	10/2/2023 3:15:25 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also gather up fire extinguishers for annual inspection and recertification.
	57902	MULTIPLE LOCATIONS	10/6/2023 10:15:33 AM	CSO Tank Maintenance	Reinstall fire extinguishers after annual inspection and recertification. All fire extinguishers have been reinstalled.
	58288	MULTIPLE LOCATIONS	11/1/2023 3:15:02 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Leaky shut off valve on downstream rp at CSO 12 and leaking diaphragm and shut off valve on rp device.
	58792	MULTIPLE LOCATIONS	12/4/2023 2:15:33 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-07	53349	MULTIPLE LOCATIONS	1/11/2023 3:15:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 12 has LEL detector malfunction and alarm going off in electrical room.
	53803	MULTIPLE LOCATIONS	2/7/2023 2:30:39 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. I-04, 24-1, 24-3, 16, 38-2, 38-1, I-07, 33-2.
	54067	MULTIPLE LOCATIONS	2/27/2023 3:00:05 PM	CSO Tank Maintenance	Yearly odor control unit checks 24-3 bad motor, 34-3 add material, I-07 ok
	54167	MULTIPLE LOCATIONS	3/3/2023 2:00:14 PM	CSO Tank Maintenance	Monthly checks complete. Service request made to facility maintenance for EUH1 at CSO 34-1 for leaking fluid from coils. We will notify Chris Clarke about air monitoring light out at CSO 33-1 and a bad LEL sensor at CSO 12.
	54403	MULTIPLE LOCATIONS	3/15/2023 11:30:43 AM	CSO Tank Maintenance	CSO 42 still has abandoned fifth wheel trailer near it on Surro. Called Code enforcement.
		MULTIPLE LOCATIONS	3/15/2023 11:30:43 AM	CSO Tank Maintenance	Early warning on multiple tanks. Checked on tank and FCC conditions; all okay.
	54805	MULTIPLE LOCATIONS	4/6/2023 3:15:43 PM	CSO Tank Maintenance	Check on I-07 flow control and channel as flows were higher than normal. Large rags pile developed behind slide. Opened slide to release rags pile. Reset slide back to normal position. Monthly fire extinguisher and odor control checks complete.
	54847	MULTIPLE LOCATIONS	4/10/2023 3:15:31 PM	CSO Tank Maintenance	Site surveys. All found in good condition.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-07	55213	MULTIPLE LOCATIONS	5/1/2023 3:15:01 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 24-1 has no internal air monitoring working and PLC is without power. Emergency lighting in maintenance level inoperable.
	55243	NW CORNER RIVERSIDE/NA PA	5/2/2023 8:00:52 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ IO7 101 N. NAPA #41212 WILKENS 4" RP 375A
	55394	MULTIPLE LOCATIONS	5/9/2023 10:30:51 AM	CSO Tank Maintenance	Installing light sticks and warning signs at csos the have emergency lighting problems. 24-1, I-07, I-03.
	56856	MULTIPLE LOCATIONS	8/3/2023 11:30:53 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. All checks complete. CSO 34-3 low differential pressure light not working.
	57699	MULTIPLE LOCATIONS	9/28/2023 2:45:54 PM	CSO Tank Maintenance	Check tanks after early warnings during storm; all tanks okay.
	57734	MULTIPLE LOCATIONS	10/2/2023 3:15:25 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also gather up fire extinguishers for annual inspection and recertification.
	58180	MULTIPLE LOCATIONS	10/24/2023 3:15:17 PM	CSO Tank Maintenance	Site visits found 2 signs down around CSO 34-1 at Lee and Sprague. Removed garbage and checked for holes in security fencing around I-07.
	58338	MULTIPLE LOCATIONS	11/2/2023 2:00:35 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 24-3, 34-3, 34-2, I-07, 34-1, 38-2
	58823	MULTIPLE LOCATIONS	12/5/2023 11:00:12 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-07	58867	MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Checking on tank with flow into flush tanks and early warning locations that rarely get high flows. CSO 34-1 flush tank #1 and #2 had taken on flows. CSO 24-1 flush tanks found full. CSO 6 and 12 had auto flushed after events. CSO 26 okay.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	CSO 26, 10 and 15 are okay - no issues.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Intermediate Event checks required at CSO 6, 12, 24-1, 26, 33-1, and 34-1.
	59194	MULTIPLE LOCATIONS	12/28/2023 3:15:23 PM	CSO Tank Maintenance	Training at CSO 26, 24-1, 34-3, I-07, and 16. Pick up copper pie from CSO 34-1 and dropped off at I-07. Got heater running at CSO 34-3 and started odor control to dry out tank and vent lines. Gathered parts from CSO 26 for future repair work.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
NEW CSO 15 VAULT - TO WEST OF ASSUMED INT - OHIO/NETTLET ON	53504	MULTIPLE LOCATIONS	1/20/2023 2:00:19 PM	CSO Tank Maintenance	Checked on I-04 carbon level after extended operation. Needed to add another box to cell #2 from media settling. Taught location and O&Ms for multiple tanks. Picked up additional radio clip from radio shop.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
NEW DIVERSION STRUCTURE ABOVE AWWTP ON HILLSIDE	58460	MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Add delineators leading up to 3c vault for ease of finding for CSO call-out crews. Training on location and operation of CSO 2, overflow vault, and outfall location and sign.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Laborers check on multiple tanks using the CSO call-out maps. CSO 24-2, 34-2, 10, and 38-1 where all visited. No comments on improvements submitted by laborers; they found everything easily.
		MULTIPLE LOCATIONS	11/8/2023 3:15:05 PM	CSO Tank Maintenance	Site visit CSO 42. Removed large rock from river access driveway. Reinstalled 2 loose bolts on hatch.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
Sign is in parking lot at cso 10	54062	Sign is in parking lot at cso 10	2/27/2023 9:00:29 AM	CSO Tank Maintenance	Removed graffiti from what is a cso sign.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
TJ MEENACH I-03 TANK	53349	MULTIPLE LOCATIONS	1/11/2023 3:15:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 12 has LEL detector malfunction and alarm going off in electrical room.
	53785	MULTIPLE LOCATIONS	2/6/2023 3:30:00 PM	CSO Tank Maintenance	Monthly cso fire extinguisher and odor control checks. cso 26, 33-1, 6, 12, I-03.
	54042	MULTIPLE LOCATIONS	2/23/2023 3:15:25 PM	CSO Tank Maintenance	Annual odor control inspection of media condition, level in each cell, and pre-filtration cleanliness. Also training for Jimmy as laborer with Scott Wischmann.
	54158	MULTIPLE LOCATIONS	3/2/2023 2:45:12 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	54191	MULTIPLE LOCATIONS	3/6/2023 3:30:00 PM	CSO Tank Maintenance	Replaced carbon media needed after annual checks complete. I-03 needed 10 cuft. and I-04 needed 4 cuft.
	54662	MULTIPLE LOCATIONS	4/3/2023 1:45:59 PM	CSO Tank Maintenance	Monthly CSO fire extinguisher and odor control checks. CSO 12 has an O2 sensor gone bad, alarm going off. I-03 electroslide still in OFF, awaiting monitoring crew approval to check settings and put back into automatic.
	55280	TJ MEENACH / DOWNRIVER PARK	5/2/2023 2:00:08 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @IO3, 2828 N. TJ MEENACH #137334 WILKENS 4" RP 375AST
	55240	MULTIPLE LOCATIONS	5/2/2023 3:15:33 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also checking emergency lighting operation for flaws. Identified multiple lighting units not working correctly in emergency.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
TJ MEENACH I-03 TANK	55394	MULTIPLE LOCATIONS	5/9/2023 10:30:51 AM	CSO Tank Maintenance	Installing light sticks and warning signs at csos the have emergency lighting problems. 24-1, I-07, I-03.
	56811	MULTIPLE LOCATIONS	8/2/2023 3:15:59 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	57102	TJ MEENACH / DOWNRIVER PARK	8/18/2023 11:30:00 AM	CSO Tank Maintenance	Flushed tanks and entered to check for inspection readiness.
	57553	TJ MEENACH / DOWNRIVER PARK	9/18/2023 3:15:25 PM	CSO Tank Maintenance	Monitoring pump down from new storm water vault into I-03 tank. Discovered program issue as the PLC never went into automatic flush mode after sump was pumped down. Monitoring crew will look into this issue. Also pump #1 faulted out multiple times during pump down.
	57571	TJ MEENACH / DOWNRIVER PARK	9/19/2023 12:15:04 PM	CSO Tank Maintenance	Flush tanks and pump out of sump. Identified debris coming in from the supply pipe from diversion vault. TV camera used to investigate possible broken pipe. No breaks found, just a temp lid over existing MH in construction site was allowing debris into the line. Contractor will be charged to clean the line and suck out any debris post construction per the field inspector.
	57630	TJ MEENACH / DOWNRIVER PARK	9/22/2023 3:15:00 PM	CSO Tank Maintenance	DW Excavating pumped stormwater control vault down into I-03 tank after failed leak-down test. Flushed and pumped down sump as necessary.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
TJ MEENACH I-03 TANK	57695	TJ MEENACH / DOWNRIVER PARK	9/28/2023 11:45:55 AM	CSO Tank Maintenance	DW Construction dewater small storm water vault into tank. Flushed tank #1 multiple times and pumped sump down. Tank is reset for next event.
	57734	MULTIPLE LOCATIONS	10/2/2023 3:15:25 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Also gather up fire extinguishers for annual inspection and recertification.
	57828	MULTIPLE LOCATIONS	10/4/2023 3:15:28 PM	CSO Tank Maintenance	Reinstall inspected fire extinguishers.
	58165	TJ MEENACH / DOWNRIVER PARK	10/24/2023 12:15:47 PM	CSO Tank Maintenance	Structural tank inspection complete.
	58198	MULTIPLE LOCATIONS	10/25/2023 3:15:26 PM	CSO Tank Maintenance	Site visits for security and check for vandalism. CSO 26 take over closing tank for monitoring crew after Power City finishes.
	58288	MULTIPLE LOCATIONS	11/1/2023 3:15:02 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Leaky shut off valve on downstream rp at CSO 12 and leaking diaphragm and shut off valve on rp device.
	58792	MULTIPLE LOCATIONS	12/4/2023 2:15:33 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	58914	MULTIPLE LOCATIONS	12/11/2023 2:30:41 PM	CSO Tank Maintenance	CSO 12 okay. I-03 and CSO 34-3 need snow removal.
		MULTIPLE LOCATIONS	12/11/2023 2:30:41 PM	CSO Tank Maintenance	Plowed CSO 34-3 driveways and entrance. Cleared path on walkway up to top of tank I-03.

Weir Check and Tank Maint Noncyclic Report for 2023

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
UNDERGROUND TANK NW & KIERNAN	58867	MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Checking on tank with flow into flush tanks and early warning locations that rarely get high flows. CSO 34-1 flush tank #1 and #2 had taken on flows. CSO 24-1 flush tanks found full. CSO 6 and 12 had auto flushed after events. CSO 26 okay.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	CSO 26, 10 and 15 are okay - no issues.
		MULTIPLE LOCATIONS	12/7/2023 3:15:02 PM	CSO Tank Maintenance	Intermediate Event checks required at CSO 6, 12, 24-1, 26, 33-1, and 34-1.