

Washington Department of Ecology

Electronic Submission Cover Letter



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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 September 1 2022
CSO Annual Report for 2021	2021 CSO Annual Report_Final_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.

For Ecology Use Only



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September 1, 2022

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

Re: City of Spokane Combined Sewer Overflow (CSO) Annual Report – 2021

Dear Ms. Washington:

Enclosed for review and approval is the City of Spokane's 2021 CSO Annual Report as required in Section S14.D of the City's 2022 NPDES Permit (WA-002447-3). The 2021 annual CSO overflow volume to the Spokane River of approximately 429,725 gallons is the lowest annual volume to date. There were no overflows to Latah Creek in 2021. This report will be posted within a few weeks to the City's Wastewater Management website:

<https://my.spokanecity.org/publicworks/wastewater/cso>

Although the 2021 CSO and collection system O&M activities report was uploaded to the Water Quality Permitting Portal (WQWebPortal) prior to March 1, 2022, the report has also been attached as Appendix D to meet the 2022 NPDES Permit requirements.

If you have any questions or need additional information about this report, please contact Ivie Hayes at (509) 625-7919.

Sincerely,

Raylene Gennett
Director – Wastewater Treatment

Enclosure (1): 2021 CSO Annual Report (1 Copies)

cc: (W/O Enclosure):

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



COMBINED SEWER OVERFLOW ANNUAL REPORT- 2021

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

Sept. 1, 2022

Date

Raylene Gennett
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Section 1: Introduction

The City of Spokane's 2021 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 and O&M Maintenance Records

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

1.1 CITY OF SPOKANE COMBINED SEWER SYSTEM

The City of Spokane's wastewater collection system includes sanitary sewers and combined sewers, as shown in Figure 1-1. In areas of the City served by combined sewers, runoff from the street enters the system through catch basins where it is combined with sewage and conveyed to the Riverside Park Water Reclamation Facility (RPWRF). In the downtown area, rainwater from some roof drains also enters the combined system. At the end of 2021, there were approximately 868 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 2021, there are 19 combined sewer overflow regulators that overflow to 17 combined sewer overflow outfall pipes.

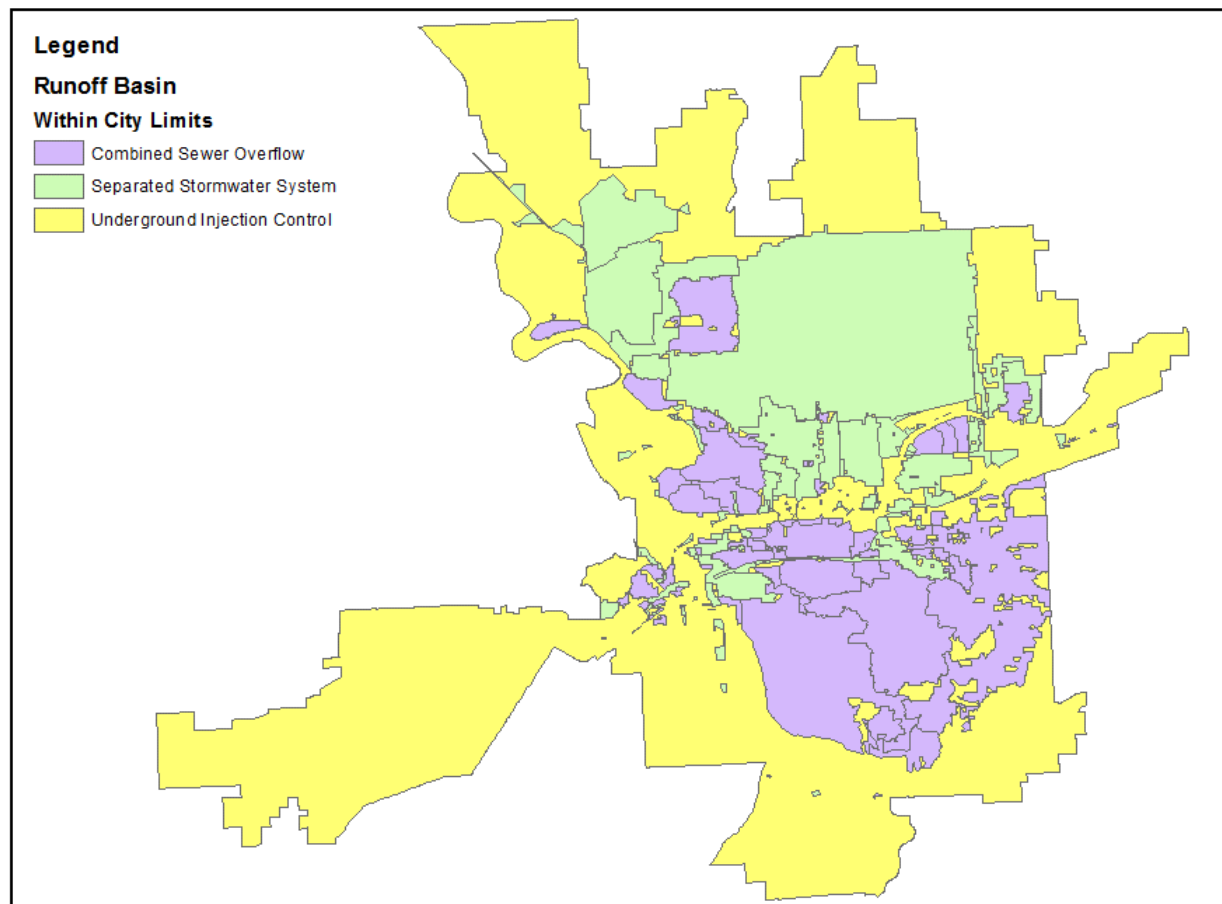


FIGURE 1-1 MAP OF CSO / STORM / UIC AREAS

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 was placed into operation. It was expanded in 1961-1962. 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 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

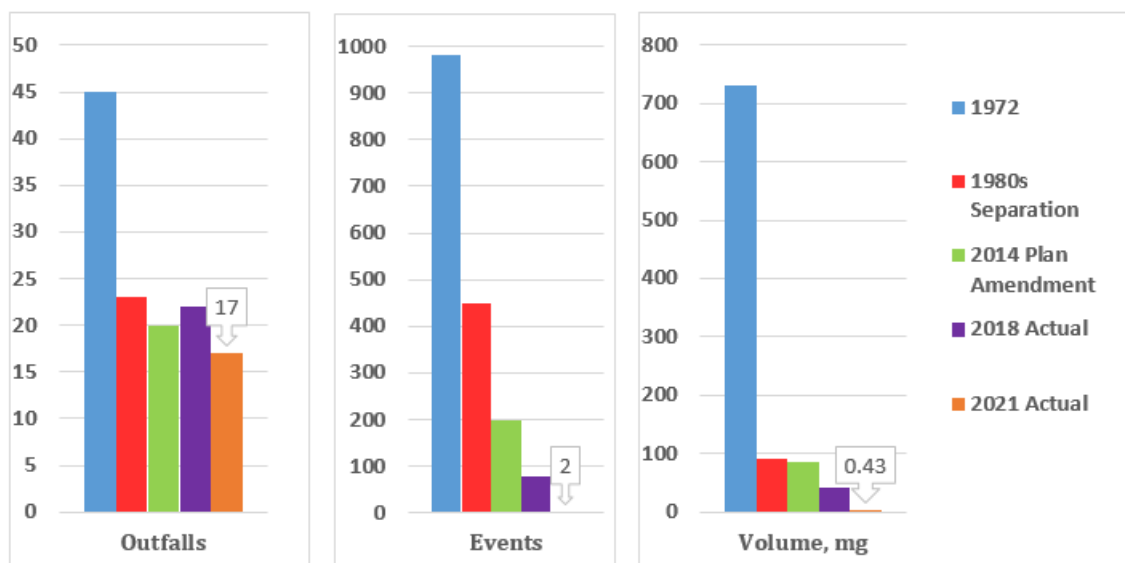


FIGURE 1-2 CSO REDUCTION HISTORY PROGRESS

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 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 was 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 areas 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 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.

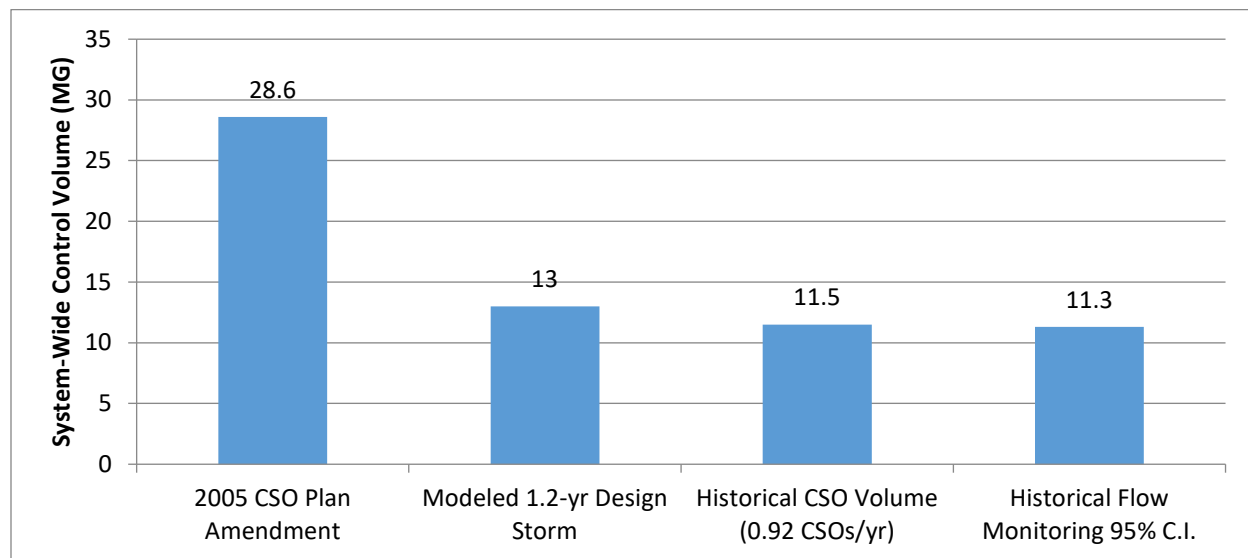


FIGURE 1-3: COMPARISON OF CSO FACILITY SIZING IN 2005 VS. THREE METHODS USED IN THE

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 (WSDOE) Water Pollution Control Law under Chapter 90.48 Revised Code of Washington. WSDOE administers the NPDES Permit program under a delegation from the Environmental Protection Agency (EPA). Because of the two sets of regulations, there are various reporting requirements that must be fulfilled to comply with both laws. As a result, this report is organized to fulfill both reporting requirements with respect to the CSS and CSOs. The current NPDES permit WA-002447-3 is effective on September 1, 2022 and expires on August 31, 2027. The current permit can be found on the City's website:

<https://static.spokanecity.org/documents/publicworks/wastewater/treatmentplant/reclamation-facility-permit.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 2021 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 2021, the following activities were performed to ensure proper operation of the collection system:

TABLE 2-1: SUMMARY OF 2021 O&M ACTIVITIES	
Activity	Quantity
Miles of sewer and storm lines cleaned.	586 miles cleaned
Miles of sewer and storm lines CCTV inspected.	221 miles inspected
Number of catch basins inspected.	24,463 inspections
Number of catch basins cleaned.	2,458 cleanings
Number of catch basins modified to add floatables control.	242 modified
CSO weir and facility inspections.	536 inspections
CSO weir and facility cleanings.	67 cleanings
Number of lift station inspections.	459 inspections
Number of lift station cleanings.	285 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. Only two lift stations convey combined sewage: Elm Street and Clarke Avenue.

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

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

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

Current CSO regulator settings correspond to the maximum allowable flow conditions in the main influent interceptor (I02) entering the Riverside Park Water Reclamation Facility (RPWRF). As part of the O&M Plan, WWM has a regular preventive inspection program to ensure that trapped sedimentation or debris is cleaned out of catch basins and CSS pipes that could otherwise restrict proper flow. Visual and remote inspections by a Wastewater Specialist or a CSO Instrument Technician are completed weekly for CSOs 14, 15, and 19. In some cases, up-sized in-line storage is used to help reduce overflows. The City's program includes infiltration & inflow (I/I) reduction projects such as grouting, short-line and full-length cured-in-place pipe (CIPP) lining. No large CIPP projects took place in 2021 due to COVID, but a large project will be taking place in 2022. More details about the project are available in Section 3.2. In 2021, 31 CIPP short-liners were installed.

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 2021, there were four listed Categorical Industrial Users, twelve 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 one regulated non-domestic discharger that has the potential to impact the CSO system – Dry Fly Distilling. This discharger is classified as a Significant Industrial User, and they are regulated through the Industrial Pretreatment Program under Wastewater Discharge Permit #SIU-2085-01.

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 2021, there were six FOG investigations. Two of the investigations are still in progress. Two were solved through training (Best Management Practices, documents and education) and inspections of the grease areas and records. Two of the investigations resulted in corrective action being taken against the subjects of the investigations. 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 Amendment submitted in early 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 2021, 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 2021, 242 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 basins to inform and remind the public about where wastewater goes. The curb markers installed in CSS areas read: *"Only Rain Down The Drain"* and include a hotline phone number to report dumping. In 2021, 516 curb markers were installed by Wastewater Maintenance crews.



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

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

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

Real-time CSO status updates can be viewed by the public on the department’s website, <https://my.spokanecity.org/publicworks/wastewater/cso/>. The website includes the CSO number, location with map, and the date/time of any overflow event within the past 48 hours. It also informs the public and recreational visitors that Spokane River water activities should be avoided in these areas during and after heavy rainfall or snowmelt. In 2021, there were approximately 1,544 views of this page on the department’s website.

Information kiosks regarding CSOs are located at four popular river access points: Water Avenue, T.J. Meenach Bridge, Red Band Park, and Plese Flats. If a dry weather overflow occurs, warning signs with orange flags are opened at these four locations to warn the public. When there is a dry weather overflow event, the City also notifies the Spokane Regional Health District and the Washington State Department of Ecology in accordance with the O&M Plan. In 2020, the Water Avenue kiosk was temporarily removed during construction activities. The kiosk will be reinstalled after construction is complete in 2022.

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 2021. 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 2021, the City achieved a

99.90% 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 2021 SCHEDULED SEWER CLEANING	
Schedule	Work Orders Completed in 2021
Bi-monthly	48
Monthly	590
Every 2 Months	45
Every 3 Months	219
Every 4 Months	15
Every 6 Months	132
Every 9 Months	4
Annually	14
Total # of Work Orders	1,067

2.2.2 Repair, Rehabilitation, and Replacement Activities

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

TABLE 2-3: SUMMARY OF 2021 SEWER REPAIR AND REPLACEMENTS

Activity	Asset Count
New Storm / Sanitary Line	15
Repair Storm / Sanitary Line	56
Replace Storm / Sanitary Line	20
New Catch Basin	0
Repair Catch Basin	9
Replace Catch Basin	18
New Manhole	3
Repair / Modify Manhole	36
Replace Manhole	2
Total # of Assets	159

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 2021, there were two SSOs caused by a commercial customer flushing excessive amounts of paper towels and rags, one SSO caused by tree roots, one SSO caused by construction debris, and one SSO caused by a contractor boring into a pressure main.

TABLE 2-4: SUMMARY OF SANITARY SEWER OVERFLOWS BY CAUSE, 2013- 2021

Cause	2013	2014	2015	2016	2017	2018	2019	2020	2021
Weather-Related		9				1			
Tree Roots	2	3	4	1	3	1	1		1
Water Main Break			4					1	
Crushed Line									
Construction Activity		1	1		6		3		2
Vandalism			1						
Dirt and Rocks							1		
Grease					1				
Equipment Failure								1	
Customer Debris									2
Other	1		1						
Total # of SSOs	3	13	11	1	10	2	5	2	5

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 2021, the CIPP – River Infiltration Reduction project did not line any sewer pipes. However, a new project is being put together in 2022, and the details are in Section 3.2.

2.3 ANNUAL REVIEW OF OPERATIONS AND MAINTENANCE MANUAL

The current version of the CSO Operations and Maintenance Manual (O&M) was revised on August 16, 2022. 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 - 2021 CSO SYSTEM IMPROVEMENTS

Below is a list of CSO projects completed in the 2021 year:

TABLE 3-1: CSO CONTROL PROJECTS COMPLETED IN 2021

City Project #: N/A

CSO Basin #: 6

Location: Kiernan @ NW Blvd

Description: Regulator set to its final setting; Testing of the setting is planned for 2022.

Completion: 2021 – Q3

City Project #: N/A

CSO Basin #: 7

Location: Columbia Cir @ Downriver Park Dr

Description: Regulator set to its final setting; Testing of the setting is planned for 2022.

Completion: 2021 – Q3

3.2 - 2022 CSO PLANNED IMPROVEMENTS

Below is a list of CSO projects that are planned for 2022 and beyond.

TABLE 3-2: CSO PLANNED IMPROVEMENTS FOR 2022-2023

City Project #: 2018111

CSO Basin #: 22B

Location: Peaceful Valley Neighborhood

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

Estimated Cost: \$1,447,850

Expected Completion: 2022 – Q3

City Project #: 2021078

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

Location: Various City Sanitary Sewer Lines

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: 2022 – Q3

City Project #: N/A

CSO Basin #: 24

Location: Adams St @ Sprague Ave

Description: Planned project to make changes to the PLC programming and possibly adjust regulator settings to allow for quicker pumping at the sump.

Expected Completion: 2023-Q4

TABLE 3-2: CSO PLANNED IMPROVEMENTS FOR 2022-2023

City Project #: 2020097

CSO Basins #: 10, 34

Location: Cochran St @ York Ave and Crestline @ Riverside

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

Estimated Cost: \$1,817,856

Expected Completion: 2024 – Q4

Section 4: Monitoring Programs and Monitoring Results

This section provides an overview of the City of Spokane's precipitation and flow monitoring programs, and presents results for 2021, 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 2021, 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: 2021 CSO OUTFALLS FROM THE NPDES PERMIT

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

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

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

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

¹ With snowmelt.

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

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

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

4.2 PRECIPITATION MONITORING PROGRAM

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

Overall, 2021 rainfall was much lower than average for the region with 11.50 inches measured at the Spokane Airport. Most of the records broken revolved around high temperatures (109F June 29th) and dry conditions (total precipitation February-May only 1.51"). However, we did have wetter than normal conditions in January 2021, the end of October 2021, and November 2021. On September 18, 2021, a record rainfall of 0.48" was recorded at the Spokane Airport.

- In 2021, CSO events were down to two overflow events produced by back-to-back storms. This is a significant reduction over the 23 overflows in 2020.
- Since the CSO 26 facility was brought online in August 2020, the facility has been working as planned with no overflows in 2021.

TABLE 4-3: 2021 PRECIPITATION BY GAUGE BY MONTH (INCHES)

Rain Gauge	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
343	3.00	0.84	0.61	0.39	0.35	0.76	0.15	0.52	1.62	1.33	2.91	1.19
344 [^]	3.26	0.67	0.49	0.21	0.24	0.56	0.09	0.22	1.42	1.34M	2.72	1.12
Shadle	2.18	0.44	0.43	0.17	0.24	0.72	0.15	0.54	1.22	1.18	2.42	0.53P
Hartson [^]	2.23	0.49	0.52	0.23	0.27	0.68	0.11	0.70	1.40	1.14	0.68P	0.41M
City Hall [^]	1.09M	0.71	0.44	0.26	0.22	0.50	0.17	0.32	1.30	1.10	2.76	1.13
Joe Albi [^]	2.20	0.56	0.20	0.25	0.16	0.42	0.19	0.49	1.15	1.16	0.33P	0.66M
Rockwood Vista [^]	2.83	0.74	0.50	0.23	0.29	0.50	0.09	0.27	1.26	1.15	2.91	1.20
Station 8 [^]	2.08	0.51	0.65	0.16	0.29	0.68	0.11	0.43	1.64	1.14	2.36P	0.66P
West Drive [^]	3.56	0.97	0.54	0.25	0.27	0.56	0.13	0.20	1.61	1.28	2.98	1.32
Nora & Pettet	2.99	0.75	0.56	0.21	0.19	0.49	0.19	0.32	1.54	1.16	2.72P	1.13
Lincoln	2.77	0.69	1.07	0.07M	0.22	0.46	0.07	0.34	1.56	1.24	2.71	1.00
Northeast	2.21	0.56	0.66	0.17	0.15	0.44	0.06	0.38	1.69	1.08	1.86M	0.61P
Crestline & Hoffman	2.28	0.73	0.57	0.18	0.27	0.44	0.07	0.52	1.70	1.22	2.61	1.16
GEG	2.82	0.84	0.26	0.21	0.20	0.43	0.12	0.15	1.35	1.17	2.60	1.35
NWS - Spokane	2.63	0.60	0.14	0.28	0.24	0.39	0.16	0.20	1.22	1.36	2.67	1.00
Felts Field	2.55	0.50	0.35	0.16	0.24	0.62	0.08	0.47	1.72	1.13	2.64	1.06
Monthly Average [*]	2.64	0.66	0.50	0.22	0.24	0.54	0.12	0.38	1.46	1.19	2.72	1.15

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 2021, Spokane's flow monitoring employees operated and maintained 54 CSO flow monitoring sites, 1 stormwater and CSO sampling site, and 53 other flow monitoring sites for a total of 108 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.

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

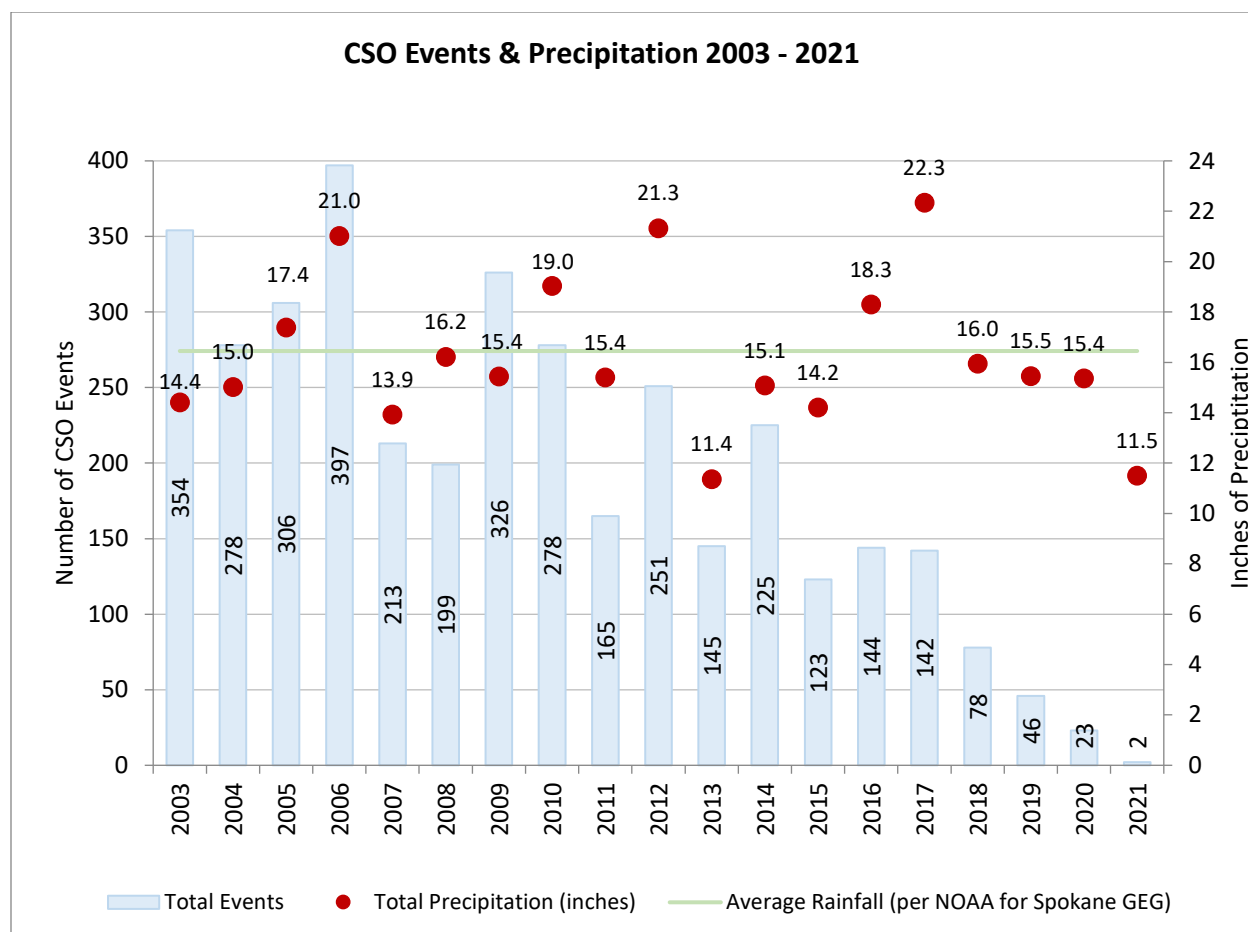


FIGURE 4-4: 2003 – 2021 CSO EVENTS & PRECIPITATION

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. In 2021, rainfall was far below average and there were only two overflow events. CSO volume and precipitation by month for 2021 is shown in Figure 4-6.

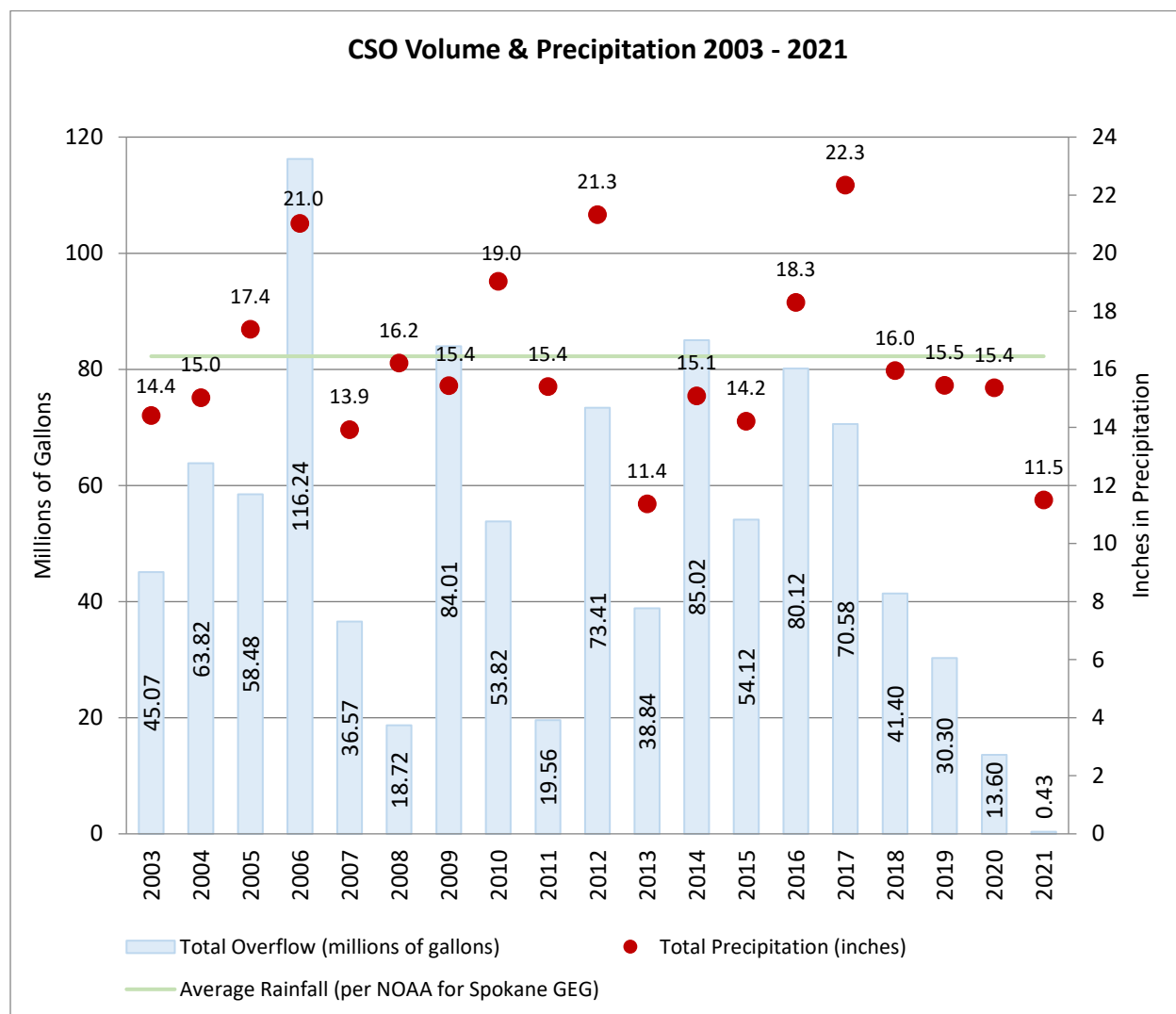


FIGURE 4-5: 2003 – 2021 CSO VOLUME & PRECIPITATION

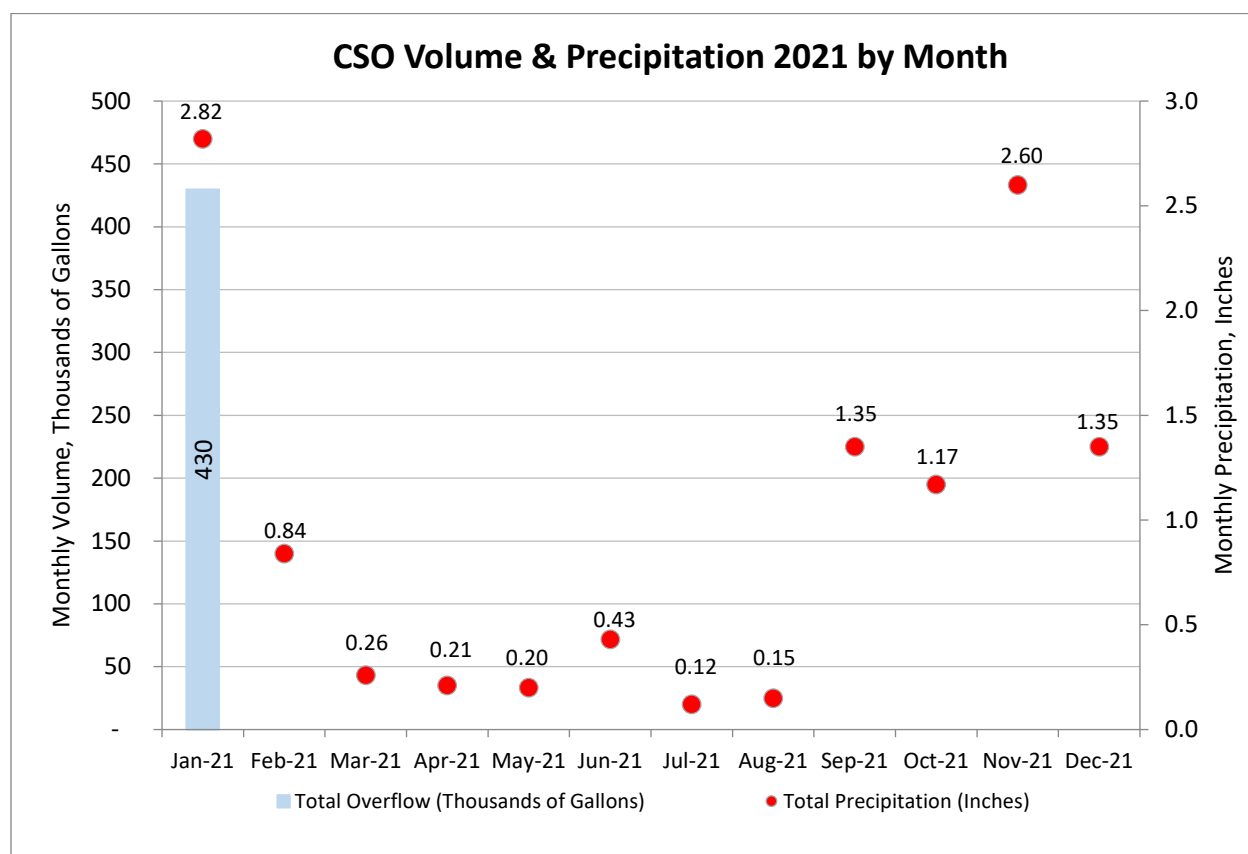


FIGURE 4-6: MONTHLY CSO VOLUMES & PRECIPITATION FOR 2021

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, 2021. It is estimated that a **total of 429,725 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 1 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 2021				
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	429,725	2	290
25	25	0	0	0
26	26	0	0	0
33	33-1	0	0	0
	33-2	0	0	0
	<i>Total²:</i>	<i>0</i>	<i>0</i>	
34	34	0	0	0
38	38	0	0	0
41	41	0	0	0
42	42	0	0	0
RPWRF ³	RPWRF ³	0	0	0
TOTAL:		429,725	2	290

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 2021. Chemical composition figures are not included for the 2021 overflows as that was not a requirement until the new NPDES permit took effect on September 1, 2022.

TABLE 4-8: 2021 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)
02		There were no Combined Sewer Overflows from regulator 02 during 2021.									
06		There were no Combined Sewer Overflows from regulator 06 during 2021.									
07		There were no Combined Sewer Overflows from regulator 07 during 2021.									
10		There were no Combined Sewer Overflows from regulator 10 during 2021.									
12		There were no Combined Sewer Overflows from regulator 12 during 2021.									
14		There were no Combined Sewer Overflows from regulator 14 during 2021.									
15		There were no Combined Sewer Overflows from regulator 15 during 2021.									
16		There were no Combined Sewer Overflows from regulator 16 during 2021.									
19		There were no Combined Sewer Overflows from regulator 19 during 2021.									
23		There were no Combined Sewer Overflows from regulator 23-1 during 2021.									
24	01/04/2021	269,768	2.58	12.87	0.46	N/A	N/A	N/A	N/A	N/A	N/A
	01/13/2021	159,957	2.25	45.18	1.02	N/A	N/A	N/A	N/A	N/A	N/A
	Total	429,725	4.83	58.05	1.48						

TABLE 4-8: 2021 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)
25		There were no Combined Sewer Overflows from regulator 25 during 2021.									
26		There were no Combined Sewer Overflows from regulator 26 during 2021.									
33-1		There were no Combined Sewer Overflows from regulator 33-1 during 2021.									
33-2		There were no Combined Sewer Overflows from regulator 33-2 during 2021.									
34		There were no Combined Sewer Overflows from regulator 34 during 2021.									
38		There were no Combined Sewer Overflows from regulator 38 during 2021.									
41		There were no Combined Sewer Overflows from regulator 41 during 2021.									
42		There were no Combined Sewer Overflows from regulator 42 during 2021.									
RPWRF		There were no bypasses at RPWRF during 2021.									

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 2021, eight outfalls are compliant with the 5-year rolling average (CSO 2, 6, 10, 15, 16, 19, 38, and 42), three outfalls are compliant with the 20-year rolling average (CSOs 2, 19, and 42). Out of the 19 control facilities covering 17 outfalls (CSO 10/12 are a combined outfall and CSO 33-1/33-2 are a combined outfall), the majority have averaged one overflow or less per year since being in their final settings for a full calendar year (CSO 2, 10, 12, 14, 15, 16, 19, 23, 25, 26, 33, 34, 38, 41, and 42), two are being tested to make sure their final regulator settings are appropriate (CSO 6 and 7), and one has plans to bring it into compliance (CSO 24).

TABLE 4-9: SUMMARY OF CSO OUTFALLS AND AVERAGES FOR 2021

CSO OUTFALL	UPSTREAM REGULATOR ID	CSO FREQUENCY IN 2021	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	0.80	0.00	None – Site is compliant with 20-year rolling average
06	06	0	1.00	18.35	N/A	Final regulator settings in place as of 9/2021. Testing of the setting is planned for 2022.
07	07	0	2.00	7.35	N/A	Final regulator settings in place as of 8/2021. Testing of the setting is planned for 2022.
10/12	10	0	0.00	5.30	0.10	None - Site has been compliant for the last 10 years
10/12	12	0	1.20	18.95	0.75	None - Site has been compliant for the last 4 years
14	14	0	1.80	8.80	0.67	None - Site has been compliant for the last 3 years
15	15	0	0.20	4.85	0.33	None - Site has been compliant for the last 3 years
16	16	0	0.00	3.05	0.00	None - Site has been compliant for the last 14 years
19	19	0	0.20	0.30	0.09	None – Site is compliant with 20-year rolling average
23	23-1	0	1.60	10.45	0.33	None - Site has been compliant for the last 3 years
24	24-1	2	9.20	19.50	2.00	Overflows in 2021 were both in January due to back-to-back storms where the pump was not performing as expected. Pump settings are being reviewed. A project to update the PLC and adjust regulator are being planned.
25	25	0	4.60	15.65	0.33	None - Site has been compliant for the last 3 years
26	26	0	20.20	22.80	0.00	None – Site has been complaint for the last year
33	33-1, 33-2	0 ²	5.60	19.95	0.50	None – Site has been compliant for the last 2 years
34	34	0	7.60	15.65	0.00	None - Site has been compliant for the last 2 years
38	38	0	0.00	5.55	0.00	None - Site has been compliant for the last 9 years
41	41	0	2.80	10.15	0.25	None - Site has been compliant for the last 4 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 2016-2021. Overflows are based on real time data.

4. CSO overflow average from 2002-2021. Overflows are based on real time data.

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

Section 5: CSO O&M Manual

CSO O&M MANUAL

City of Spokane

OPERATIONS & MAINTENANCE PLAN

For

CSO Regulators and Outfalls

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GOAL:

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

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

AWARENESS AND PREVENTION:

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

FREQUENCY OF INSPECTION:

Routine Inspections:

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

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

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

Routine Tank Inspection

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

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

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

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

Stage II Snow Event Procedures

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

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

High River Procedures

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

Dry Weather Procedures:

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

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

DWO MAINTENANCE PROCEDURES:

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

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

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

CAUTION SIGNS AND FLAGS:

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

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

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

INTERNAL NOTIFICATION PROTOCOL:

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

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

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

- Ralph Kirby Radio 331

SUPERVISOR PROCEDURES:

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

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

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

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

24 HOUR PHONE NOTIFICATION TO ECOLOGY:

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

24 HOUR PHONE NOTIFICATION TO SPOKANE REGIONAL COUNTY HEALTH:

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

POST EVENT INSPECTION:

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

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

5 DAY WRITTEN REPORT TO ECOLOGY:

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

RECORD KEEPING:

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

SUBMISSION DATES:

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

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

Section 6: FOG Investigations

FOG INVESTIGATIONS

Wastewater Discharge Investigation Request
Employee reporting problem: Al Argunizoni
Contact e-mail / phone: 625 7900
Supervisor: Mal Lund
Date and time: 3/25/2021 13:00
SR#: None
Location (manhole # and closest intersection - attach map and photos if possible)
5 Mile Shopping Center MH # 278515CD
Observation(s) - sight, smell, people, processes, or environment
Grease from Rosauers Supermarket
Clean up required (materials, man hours & employee names)
We will clean under normal maintenance
Any interactions with business owner
None
Can you identify source of problem? Please list.
Grease from Rosauers Supermarket side sewer tap
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600
none
Pretreatment Office only
Request Received on: 3/29/21, then 4/12/21
Received by: Harper Havko, then Alissa Barrett
Request #:
Final Report sent date (send all info. to employee and supervisor): 4/16/21
ACTIONS TAKEN TO LOCATE AND RESOLVE PROBLEM:
Requested pump out records. Invoices from Baker Comm. show the tank had been pumped in Aug 2020, Oct 2020 and Jan 2021. FOG literature, cleaning log, and BMPs were provided.
CONCLUSIONS:
Rosauers said they would increase pumping frequency to every 30 days instead of every 60 days. If grease persists after cleaning, please submit another investigation request so we can follow up again. ~ AMB

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: 625-7900
Supervisor: Mal Lund
Date and time: 4/14/2021 12:00
SR#: None
Location (manhole # and closest intersection - attach map and photos if possible)
Hillard automotive 2020 E Wellseley
Observation(s) - sight, smell, people, processes, or environment
Oil Deposits from side sewer at 2020 E Wellseley
Clean up required (materials, man hours & employee names)
None
Any interactions with business owner
None
Can you identify source of problem? Please list.
Found during TV camera inspection of main line - black oil deposits in sewer main leading up to
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600
None
Pretreatment Office only
Request Received on: 04/14/2021
Received by: Tim Hamm
Request #:
Final Report sent date (send all info. to employee and supervisor):
4/30/2021
ACTIONS TAKEN TO LOCATE AND RESOLVE PROBLEM:
Problem located to Hillyard Automotive. Visited and explained situation, delivered printed BMP's and asked that they help keep oil out of sewer. Owner was cooperative.
CONCLUSIONS:
No further action recommended at this time. If problem persists, additional action may be needed.

Wastewater Discharge Investigation Request
Employee reporting problem: Dave Hanshaw
Contact e-mail / phone: 625-7900
Supervisor: Mal Lund
Date and time: 6/10/2010
SR#: W/O 44739
Location (manhole # and closest intersection - attach map and photos if possible)
M/H # 0511315 Easement line south of spokane river East of Havana just downstream from Baker Commodities 4423 E Hutton
Observation(s) - sight, smell, people, processes, or environment
Grease partly blocking sewer line
Clean up required (materials, man hours & employee names)
14 man hours Rob Bacon and Alex Emnegger
Any interactions with business owner
None
Can you identify source of problem? Please list.
Grease
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600
None
Pretreatment Office only
Request Received on: 06/17/2021
Received by: Tim Hamm
Request #:
Final Report sent date (send all info. to employee and supervisor):
ACTIONS TAKEN TO LOCATE AND RESOLVE PROBLEM:
Notice of Violation issued on 7/8/2021 to Baker Commodities for obstruction of pipe with FOG. Baker charged for cleaning event.
CONCLUSIONS:
Corrective actions for Baker include investigating cause of obstruction and providing solutions to prevent recurrence.

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

Wastewater Discharge Investigation Request	
Employee reporting problem: Greg Edgerton	
Contact e-mail / phone: Gedgerton@spokanecity.org	
Supervisor: Justin Anderson	
Date and time: 8/4/21 1:00 pm	
SR#: no SR created	
Location (manhole # and closest intersection - attach map and photos if possible)	
This was taken from the Hayford Lift station wet well.	
Observation(s) - sight, smell, people, processes, or environment	
smelled like fuel and oil. There was approximately 8-12 inches on the surface of the water.	
Clean up required (materials, man hours & employee names)	
Did a wet well flush. It took about 30 minutes. Greg Edgerton and Nick Knapp did the work.	
Any interactions with business owner	
Business owner not identified at this time.	
Can you identify source of problem? Please list.	
Many big rig repair shops in the area.	
Immediate Sample(s) requested (e.g. before a line cleaning)? Y / N If yes, call 625-4600	
Sample collected in zippered bag	
Pretreatment Office only	
Request Received on: 8/4/21	
Received by: Alissa Barrett	
Request #: no number assigned.	
Final Report sent date (send all info. to employee and supervisor):	
ACTIONS TAKEN TO LOCATE AND RESOLVE PROBLEM:	
Inspect and deliver BMPs to 5 local businesses. Sewer TV inspection identified Speedco as source (8/25/21). Reinspected (8/27/21). SNC letter (10/5/21) required compliance meeting and fine.	
CONCLUSIONS:	

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

Section 7: CSO and O&M Maintenance Records

CSO AND O&M MAINTENANCE RECORDS

January 12, 2022



WASTEWATER
909 E. SPRAGUE AVENUE
SPOKANE, WASHINGTON 99202-2127
509.625.7900
FAX 509.625.7940

Diana Washington
Water Quality Program
Washington State Department of Ecology
Environmental Quality Division
4601 North Monroe
Spokane, WA 99205-1295

Re: Annual Submission of Weir Inspection Reports

Dear Ms. Washington:

Pursuant to our NPDES Waste Discharge Permit No. WA-002447-3 (S 13.F), we are including the 2021 Weir Inspection Detailed Summary Report to Ecology for review.

Every CSO structure without storage capabilities (CSO 14, 15, 19, and 22) was checked weekly. CSO 26 was checked weekly until 9/28/2021 when it was placed on the yearly tank checklist for 2022. CSO 22 was checked weekly until 11/23/2021, the week after the regulating weir was eliminated and the overflow plugged.

All wet weather checks were completed as the City of Spokane O&M plan states. All overflows were visibly inspected by a Wastewater Specialist or CSO Instrument Technician within seven days of the overflow. A summary of overflows and their corresponding checks is included with the Weir Inspection Detailed Summary Report.

CSO signs were examined every four (4) weeks in 2021, which resulted in them being examined twice in the month of November.

Yearly tank checks were completed for all tanks except CSO 26 which was being examined weekly. A summary of the tanks and their corresponding checks is included with the Weir Inspection Detailed Summary Report.

On November 18, 2021, regulating weir for CSO 22 was eliminated after separating the stormwater from the basin and sending it to the stormwater swales at Clarke Avenue and Elm Street, Elm Street and Main Avenue, and Water Avenue and Ash Street. This was previously uploaded to the WQWebPortal on November 23, 2021.

If you have any questions about this Annual Summary Report or the weir inspection detailed reports, please do not hesitate to call me at (509) 625-7900.

Sincerely,

A handwritten signature in blue ink that reads "Michael D. Lowdon". The signature is fluid and cursive, with a large initial "M" and "L".

Michael D. Lowdon, Superintendent
Wastewater Management

Enclosure (1): 2021 Weir Inspection Detailed Summary Report (1 Copy)

cc: (W/O Enclosure):

Marlene Feist, Director of Public Works

Fred Brown, Principal Engineer – RPWRF NLT

Raylene Gennett, Director – RPWRF/Wastewater Management

Mike Cannon, Interim Plant Manager – RPWRF

Duane Studer, Principal Engineer – Wastewater Management

Darin Evans, Interim Instrumentation & Data Supervisor – Wastewater Management

Chris Peterschmidt, Principal Engineer – RPWRF

Sibyl Spence – Sewer Department Files

Cheryl Riddle – RPWRF Files



WEIR INSPECTION DETAILED SUMMARY REPORT - 2021

Protecting the Spokane River



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Summary – Overflows Checked:

CSO	Date of Overflow	Date Checked	Work Order	Report Referenced	Report Page
24-1	1/4/2021	1/5/2021	42152	Weir Check Events Noncyclic	60
	1/13/2021	1/13/2021	42317	Weir Check Events Noncyclic	60

Summary – Yearly Tank Checks:

CSO	Date Checked	Work Order	Report Referenced	Page
2/3	6/4/2021	38876	Weir Check Tank	12
6	6/21/2021	38874	Weir Check Tank	13
7	6/4/2021	38885	Weir Check Tank	14
10	6/28/2021	39181	Weir Check Tank	15
12	6/18/2021	38841	Weir Check Tank	16
16	6/24/2021	38937	Weir Check Tank	17
23-1	6/7/2021	38951	Weir Check Tank	18
23-2	6/4/2021	38934	Weir Check Tank	19
24-1	6/9/2021	39172	Weir Check Tank	20
24-2	6/8/2021	38952	Weir Check Tank	21
24-3 (20)	6/10/2021	38912	Weir Check Tank	22
25	6/4/2021	38924	Weir Check Tank	23
33-1	6/22/2021	39020	Weir Check Tank	24
33-2	6/30/2021	38954	Weir Check Tank	25
34-1	6/22/2021	41567	Weir Check Tank	10
34-2	6/23/2021	39012	Weir Check Tank	26
34-3	6/23/2021	38993	Weir Check Tank	27
38-1	6/22/2021	38989	Weir Check Tank	28
38-2 (39)	6/22/2021	38983	Weir Check Tank	29
38-3 (40)	6/11/2021	38978	Weir Check Tank	30
41	6/7/2021	38947	Weir Check Tank	31
42	6/29/2021	39191	Weir Check Tank	11
I-03	6/24/2021	42326	Weir Check Tank	32
I-04	6/24/2021	39118	Weir Check Tank	33
I-07	7/23/2021	42323	Weir Check Tank	34

Weir Check Sign Report

Weir Sign Check Report for 2021

CSO	Location	Work Order #	Inspection Date	Comments	WEIR SIGN CONDITION
for CSO #10	*** Check what is a CSO sign south side of parking area.	41812	1/5/2021 12:45:00 PM		Satisfactory
		42161	2/23/2021 9:57:51 AM		Missing
		42946	3/23/2021 8:58:54 AM	Sign is being relocated	Missing
		43410	4/20/2021 1:04:44 PM		Satisfactory
		43904	5/18/2021 1:10:19 PM		Satisfactory
		44391	6/15/2021 11:20:06 AM		Satisfactory
		44809	7/13/2021 9:00:00 AM		Satisfactory
		45215	8/10/2021 9:25:23 AM		Satisfactory
		45637	9/7/2021 8:20:45 AM		Satisfactory
		46018	10/5/2021 8:50:05 AM		Satisfactory
		46513	11/2/2021 12:55:16 PM		Satisfactory
		46997	11/30/2021 9:00:09 AM		Satisfactory
		47328	12/28/2021 9:10:35 AM		Satisfactory

Weir Sign Check Report for 2021

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.	41813	1/5/2021 1:15:06 PM		Satisfactory
		42162	2/23/2021 10:05:48 AM		Satisfactory
		42947	3/23/2021 9:06:01 AM		Satisfactory
		43412	4/20/2021 1:13:16 PM		Satisfactory
		43905	5/18/2021 1:40:51 PM		Satisfactory
		44392	6/15/2021 11:35:42 AM	Sign was marked with permanent ink pen. Removed with graffiti remover spray.	Damaged
		44810	7/13/2021 9:05:21 AM	Prior graffiti still shows on surface. We will try a new method of final cleaning.	Damaged
		45216	8/10/2021 9:31:24 AM		Satisfactory
		45638	9/7/2021 8:15:07 AM		Satisfactory
		46017	10/5/2021 9:00:39 AM		Satisfactory
		46514	11/2/2021 1:00:48 PM		Satisfactory
		46998	11/30/2021 9:05:29 AM		Satisfactory
		47329	12/28/2021 9:20:07 AM		Satisfactory

Weir Sign Check Report for 2021

CSO	Location	Work Order #	Inspection Date	Comments	WEIR SIGN CONDITION
For CSO #22	*** Check what is a CSO sign at end of Water Ave.	41802	1/5/2021 9:55:04 AM		Satisfactory
		42151	2/23/2021 8:55:14 AM		Missing
		42937	3/23/2021 8:01:03 AM		Missing
		43401	4/20/2021 9:23:06 AM		Missing
		43890	5/18/2021 8:55:00 AM		Missing
		44382	6/15/2021 8:30:41 AM	Sign is still not back up	Not Applicable
		44800	7/13/2021 8:25:34 AM		Missing
		45213	8/10/2021 8:15:00 AM		Satisfactory
		45627	9/7/2021 9:20:12 AM	Replacement sign not yet installed.	Satisfactory
		46021	10/5/2021 8:05:00 AM		Not Applicable
		46512	11/2/2021 12:45:23 PM		Missing
		46996	11/30/2021 8:40:06 PM		Missing
		47327	12/28/2021 8:20:38 AM		Missing

Weir Sign Check Report for 2021

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.	41801	1/5/2021 9:40:00 AM		Satisfactory
		42150	2/23/2021 8:50:07 AM		Satisfactory
		42935	3/23/2021 7:52:33 AM		Satisfactory
		43400	4/20/2021 9:16:56 AM		Satisfactory
		43889	5/18/2021 8:50:00 AM		Satisfactory
		44381	6/15/2021 8:42:56 AM		Satisfactory
		44801	7/13/2021 8:10:16 AM		Satisfactory
		45214	8/10/2021 8:10:58 AM		Satisfactory
		45626	9/7/2021 9:15:34 AM		Satisfactory
		46019	10/5/2021 8:00:00 AM		Satisfactory
		46511	11/2/2021 12:40:12 PM		Satisfactory
		46995	11/30/2021 8:40:35 AM		Satisfactory
		47326	12/28/2021 8:15:02 AM		Satisfactory

Weir Sign Check Report for 2021

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.	41814	1/5/2021 1:50:31 PM		Satisfactory
		42163	2/23/2021 10:24:34 AM		Satisfactory
		42949	3/23/2021 9:25:02 AM		Satisfactory
		43414	4/20/2021 1:33:14 PM		Satisfactory
		43907	5/18/2021 12:45:50 PM		Satisfactory
		44390	6/15/2021 11:55:57 AM		Satisfactory
		44811	7/13/2021 10:30:00 AM		Satisfactory
		45217	8/10/2021 12:56:59 PM		Satisfactory
		45643	9/7/2021 8:50:00 AM		Satisfactory
		46016	10/5/2021 9:45:17 AM		Satisfactory
		46516	11/2/2021 1:15:29 PM		Satisfactory
		47000	11/30/2021 9:20:13 AM		Satisfactory
		47330	12/28/2021 9:40:49 AM		Satisfactory

Weir Check Tank Report

Tank Weir Check Report for 2021

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Check CSO #34-1 M/H Hatch, Crestline & Riverside N/W Corner of lot	41567	6/22/2021 11:00:17 AM	All annual checks complete. All checks okay. Drain line for odor control #3 needs to be modified for screens access. Emergency lighting not working in Electrical room and possibly two not working in Mechanical room. Flush tanks 1-6 and sump need extensive cleaning again post intermediate water event.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Tank Weir Check Report for 2021

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #42 - Surro & Waterworks	39191	6/29/2021 9:00:59 AM	Annual checks complete and okay. CTI needs cleaning. Outfall sign surrounded by homeless encampment. Need code enforcement to remove vagrants.	A	CLEAN	N/A	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	38876	6/4/2021 10:30:11 AM		N/A	N/A	N/A	NO FLOW	N/A	DRY

Tank Weir Check Report for 2021

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	38874	6/21/2021 10:15:46 AM	All annual inspection items complete. All checks okay. Found and removed 75' industrial snake from CTI.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	38885	6/4/2021 10:30:46 AM	Rags and debris found in CTI. Request made for cleaning.	A	N/A	N/A	NO FLOW	N/A	DRY

Tank Weir Check Report for 2021

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #10- NETTLETON @ BUCKEYE	39181	6/28/2021 11:00:59 AM	All annual inspection items checked and okay.	A	CLEAN	N/A	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	38841	6/18/2021 11:00:00 AM	Annual inspection complete. All checks okay.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	38937	6/24/2021 3:15:27 PM	Annual inspection complete. Backflow preventer leaking though diaphragm. Mechanical / Electrical room heater not working.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	38951	6/7/2021 2:15:28 PM		A	N/A	N/A	NO FLOW	N/A	DRY

Tank Weir Check Report for 2021

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 -	38934	6/4/2021 2:00:29 PM		A	N/A	N/A	NO FLOW	N/A	DRY

Tank Weir Check Report for 2021

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	39172	6/9/2021 3:30:07 PM	Spillway #1 and #2 have cracks in ceiling. #2 flush gate has loose bolt and support bracket at lower frame. #6 spillway has four locations on East wall with slow seeping water infiltration. Emergency lighting does not come on; we need to investigate an O&M for that system. The overflow spillway was a crack going across floor.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	38952	6/8/2021 10:30:06 AM		N/A	N/A	N/A	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	38912	6/10/2021 11:00:42 AM	Light out in cell #1 turned in for repair. All other yearly checks ok.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection CSO #25 Main	38924	6/4/2021 1:00:00 PM		A	N/A	N/A	NO FLOW	N/A	DRY

Tank Weir Check Report for 2021

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	39020	6/22/2021 12:45:48 PM	All annual inspection items checked. EF-1 fan does not work even after reset of circuit breaker and main power reset. Electro-slide still inoperable. Sump need to be cleaned.	A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Tank Weir Check Report for 2021

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	38954	6/30/2021 9:15:34 AM	Annual inspection items complete. Mechanical room heater not working. All other checks okay.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	39012	6/23/2021 2:30:52 PM	Annual inspection complete. All checks okay. CTI needs cleaned.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	38993	6/23/2021 9:30:38 AM	All annual inspection complete. CTI needs cleaning.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	38989	6/22/2021 1:00:33 PM	All checks complete and okay.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	38983	6/22/2021 12:45:58 PM	All annual inspection items complete and okay.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	38978	6/11/2021 1:00:55 PM	Everything looks ok.	A	N/A	N/A	NO FLOW	N/A	DRY

Tank Weir Check Report for 2021

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.	38947	6/7/2021 1:15:33 PM		A	CLEAN	N/A	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection I03 TJ & W Northwest	42326	6/24/2021 10:15:10 AM	Annual checks complete and okay. CSO monitoring crew to check pump #1 not working in auto or manual. #2 Odor control upper grease filter frames cut to fit.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

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	39118	6/24/2021 2:00:28 PM	Annual inspection checks complete. Emergency lighting in Mechanical room not working correctly. Fault lights not working correctly on odor control panel.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Tank Weir Check Report for 2021

Location	Work Order #	Inspection Date	Comments	FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
*** Yearly Tank Inspection SUMP FILL WEIR RIVERSIDE I-07	42323	7/23/2021 9:30:23 AM	All annual inspection items checked and okay. Need to move #1 flush tank hatch support to other side. Back flow preventer and heater will be checked later.	A	CLEAN	OK	NO FLOW	CLEAN	DRY

Weir Check MH Cyclic Report

Manhole Weir Check Cyclic Report for 2021

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	42073	1/5/2021 8:03:00 AM		OVERCAST	A	N/A	N/A
	42178	1/12/2021 12:49:32 PM		WET	A	N/A	N/A
	42305	1/19/2021 9:28:46 AM		OVERCAST	A	NOFLOW	A
	42379	1/26/2021 12:54:03 PM		OVERCAST	A	N/A	N/A
	42494	2/2/2021 9:07:00 AM		OVERCAST	A	N/A	N/A
	42640	2/9/2021 8:44:11 AM		OVERCAST	A	N/A	N/A
	42773	2/16/2021 9:35:35 AM		OVERCAST	A	NOTVISABLE	A
	42852	2/23/2021 9:31:00 AM		DRY	A	N/A	N/A
	42942	3/2/2021 8:00:00 AM		DRY	A	N/A	N/A
	43099	3/9/2021 8:27:27 AM		DRY	A	N/A	N/A
	43211	3/16/2021 12:42:05 PM		DRY	A	NOFLOW	A
	43320	3/23/2021 8:36:33 AM		OVERCAST	A	N/A	N/A
	43407	3/30/2021 8:53:21 AM		DRY	A	N/A	N/A
	43513	4/6/2021 7:46:00 PM		DRY	A	N/A	N/A
	43711	4/13/2021 9:15:00 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

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	43797	4/20/2021 10:30:26 AM		DRY	A	NOFLOW	A
	43896	4/27/2021 10:20:48 AM		DRY	A	N/A	N/A
	44007	5/4/2021 8:32:00 AM		DRY	A	N/A	N/A
	44166	5/11/2021 8:10:49 AM		DRY	A	N/A	N/A
	44277	5/18/2021 10:15:29 AM		DRY	A	NOFLOW	A
	44387	5/25/2021 9:30:21 AM		DRY	A	N/A	N/A
	44478	6/1/2021 8:33:00 AM		DRY	A	N/A	N/A
	44600	6/8/2021 9:10:19 AM		DRY	A	N/A	N/A
	44699	6/15/2021 10:20:45 AM	CSO monitoring crew double checking data stream as overflow is indicated with in weir mod and at outfall pipe. Storm basins feed into outfall line post overflow weir as well. CSO monitoring crew verified the data to show no overflow at the weir. Water present at outfall likely storm water.	DRY	A	NOFLOW	A
	44805	6/22/2021 9:25:20 AM		DRY	A	N/A	N/A
	44902	6/29/2021 10:05:50 AM		DRY	A	N/A	N/A
	44988	7/6/2021 7:57:00 AM		DRY	A	N/A	N/A
	45121	7/13/2021 9:20:21 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

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	45211	7/20/2021 8:55:03 AM		DRY	A	NOFLOW	A
	45303	7/27/2021 10:15:17 AM		DRY	A	N/A	N/A
	45397	8/3/2021 7:53:00 AM		DRY	A	N/A	N/A
	45508	8/10/2021 9:00:29 AM		DRY	A	N/A	N/A
	45631	8/17/2021 10:30:22 AM		DRY	A	NOFLOW	A
	45733	8/25/2021 7:55:14 AM		DRY	A	N/A	N/A
	45819	8/31/2021 9:26:33 AM		DRY	A	N/A	N/A
	45888	9/7/2021 7:52:00 AM		DRY	A	N/A	N/A
	46030	9/14/2021 8:45:30 AM		DRY	A	N/A	N/A
	46110	9/21/2021 10:54:20 AM		DRY	A	NOFLOW	A
	46232	9/28/2021 9:35:12 AM		OVERCAST	A	N/A	N/A
	46321	10/5/2021 8:13:00 AM		OVERCAST	A	N/A	N/A
	46536	10/12/2021 8:00:59 AM		DRY	A	NOFLOW	N/A
	46609	10/19/2021 8:45:56 AM		DRY	A	NOFLOW	A
	46733	10/26/2021 7:50:50 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

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	46837	11/2/2021 10:05:10 AM		OVERCAST	A	N/A	N/A
	47010	11/9/2021 8:05:22 AM		WET	A	N/A	N/A
	47105	11/16/2021 10:36:02 AM		DRY	A	NOFLOW	A
	47205	11/23/2021 8:30:25 AM		WET	A	N/A	N/A
	47277	11/30/2021 8:20:12 AM		OVERCAST	A	N/A	N/A
	47332	12/9/2021 12:45:00 PM		OVERCAST	A	N/A	N/A
	47558	12/14/2021 9:00:33 AM		OVERCAST	A	N/A	N/A
	47584	12/21/2021 9:00:12 AM		OVERCAST	A	NOFLOW	A
	47672	12/28/2021 8:40:11 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

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	42075	1/5/2021 9:30:00 AM		OVERCAST	A	N/A	N/A
	42179	1/12/2021 8:31:38 AM		WET	A	N/A	N/A
	42302	1/19/2021 10:11:51 AM		OVERCAST	A	NOTVISABLE	A
	42382	1/26/2021 1:07:33 PM		OVERCAST	A	N/A	N/A
	42495	2/2/2021 8:21:00 AM		OVERCAST	A	N/A	N/A
	42642	2/9/2021 8:57:44 AM		OVERCAST	A	N/A	N/A
	42776	2/16/2021 10:45:00 AM		OVERCAST	A	NOTVISABLE	A
	42856	2/23/2021 9:41:42 AM		DRY	A	N/A	N/A
	42943	3/2/2021 8:12:00 AM		DRY	A	N/A	N/A
	43100	3/9/2021 9:04:39 AM		DRY	A	N/A	N/A
	43212	3/16/2021 1:19:22 PM		DRY	A	NOTVISABLE	A
	43322	3/23/2021 8:47:17 AM		OVERCAST	A	N/A	N/A
	43408	3/30/2021 9:10:38 AM		DRY	A	N/A	N/A
	43516	4/6/2021 12:00:00 PM		DRY	A	N/A	N/A
	43713	4/13/2021 9:25:30 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

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	43799	4/20/2021 12:39:52 PM		DRY	A	NOTVISABLE	A
	43902	4/27/2021 10:35:08 AM		DRY	A	N/A	N/A
	44008	5/4/2021 7:30:39 AM		DRY	A	N/A	N/A
	44168	5/11/2021 8:00:11 AM		DRY	A	N/A	N/A
	44276	5/18/2021 10:45:59 AM		DRY	A	NOTVISABLE	A
	44388	5/25/2021 9:45:19 AM		DRY	A	N/A	N/A
	44480	6/1/2021 8:43:00 PM		DRY	A	N/A	N/A
	44601	6/8/2021 9:25:57 AM		DRY	A	N/A	N/A
	44700	6/15/2021 11:10:19 AM	Vault was damp but no indication of overflow. Outfall pipe not visible under river water flow level.	DRY	A	NOFLOW	A
	44807	6/22/2021 9:30:01 AM		DRY	A	N/A	N/A
	44903	6/29/2021 10:15:15 AM		DRY	A	N/A	N/A
	44989	7/6/2021 8:05:00 AM		DRY	A	N/A	N/A
	45122	7/13/2021 9:30:04 AM		DRY	A	N/A	N/A
	45212	7/20/2021 9:25:10 AM	Outfall pipe is full of round rock.	DRY	A	NOFLOW	A
	45304	7/27/2021 10:30:56 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

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	45398	8/3/2021 8:05:00 AM		DRY	A	N/A	N/A
	45509	8/10/2021 9:12:34 AM		DRY	A	N/A	N/A
	45635	8/17/2021 11:20:07 AM		DRY	A	NOFLOW	A
	45734	8/25/2021 8:10:49 AM	Weekly weir checks complete. All checks good.	DRY	A	N/A	N/A
	45820	8/31/2021 9:44:04 AM		DRY	A	N/A	N/A
	45890	9/7/2021 8:04:00 AM		DRY	A	N/A	N/A
	46034	9/14/2021 8:55:33 AM		DRY	A	N/A	N/A
	46111	9/21/2021 11:33:54 AM		DRY	A	NOFLOW	A
	46234	9/28/2021 9:45:53 AM		OVERCAST	A	N/A	N/A
	46322	10/5/2021 8:23:00 AM		OVERCAST	A	N/A	N/A
	46537	10/12/2021 8:10:49 AM		DRY	A	NOFLOW	N/A
	46610	10/19/2021 9:20:47 AM		DRY	A	NOFLOW	A
	46734	10/26/2021 8:00:26 AM		DRY	A	N/A	N/A
	46838	11/2/2021 10:13:00 AM		OVERCAST	A	N/A	N/A
	47011	11/9/2021 8:15:07 AM		WET	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

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	47106	11/16/2021 1:00:44 PM		DRY	A	NOTVISABLE	A
	47206	11/23/2021 8:40:19 AM		WET	A	N/A	N/A
	47278	11/30/2021 8:30:55 AM		OVERCAST	A	N/A	N/A
	47333	12/9/2021 1:00:00 PM		OVERCAST	A	N/A	N/A
	47562	12/14/2021 9:15:13 AM		OVERCAST	A	N/A	N/A
	47585	12/21/2021 9:50:44 AM		OVERCAST	A	NOFLOW	A
	47673	12/28/2021 9:00:54 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

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.	42067	1/5/2021 8:33:00 AM		OVERCAST	A	N/A	N/A
	42174	1/12/2021 8:10:07 AM		WET	A	N/A	N/A
	42301	1/19/2021 8:44:44 AM		OVERCAST	A	NOFLOW	A
	42376	1/26/2021 12:41:26 PM		OVERCAST	A	N/A	N/A
	42492	2/2/2021 8:45:00 AM		OVERCAST	A	N/A	N/A
	42645	2/9/2021 8:27:51 AM		OVERCAST	A	N/A	N/A
	42771	2/16/2021 8:56:04 AM		SNOW	A	NOFLOW	A
	42850	2/23/2021 9:16:17 AM		DRY	A	N/A	N/A
	42941	3/2/2021 8:50:00 AM		DRY	A	N/A	N/A
	43096	3/9/2021 8:12:28 AM		DRY	A	N/A	N/A
	43210	3/16/2021 12:06:13 PM		DRY	A	NOFLOW	A
	43318	3/23/2021 8:20:15 AM		OVERCAST	A	N/A	N/A
	43404	3/30/2021 7:41:01 AM		DRY	A	N/A	N/A
	43508	4/6/2021 3:55:00 PM		DRY	A	N/A	N/A
	43708	4/13/2021 8:55:48 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

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.	43795	4/20/2021 9:55:16 AM		DRY	A	NOFLOW	A
	43892	4/27/2021 10:10:33 AM		DRY	A	N/A	N/A
	44006	5/4/2021 8:03:00 AM		DRY	A	N/A	N/A
	44165	5/11/2021 7:50:14 AM		DRY	A	N/A	N/A
	44275	5/18/2021 9:30:34 AM		DRY	A	NOFLOW	A
	44384	5/25/2021 9:00:30 AM		DRY	A	N/A	N/A
	44477	6/1/2021 9:02:00 AM		DRY	A	N/A	N/A
	44597	6/8/2021 8:45:49 AM		DRY	A	N/A	N/A
	44697	6/15/2021 7:58:46 AM		DRY	A	NOFLOW	A
	44797	6/22/2021 9:15:35 AM		DRY	A	N/A	N/A
	44900	6/29/2021 9:55:14 AM		DRY	A	N/A	N/A
	44987	7/6/2021 9:15:00 AM		DRY	A	N/A	N/A
	45123	7/13/2021 8:40:40 AM		DRY	A	N/A	N/A
	45210	7/20/2021 8:30:00 AM		DRY	A	NOFLOW	A
	45302	7/27/2021 10:00:13 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

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.	45396	8/3/2021 9:37:00 AM		DRY	A	N/A	N/A
	45510	8/10/2021 8:45:54 AM		DRY	A	N/A	N/A
	45630	8/17/2021 9:55:30 AM		DRY	A	NOFLOW	A
	45732	8/25/2021 7:45:02 AM		DRY	A	N/A	N/A
	45818	8/31/2021 7:56:45 AM		DRY	A	N/A	N/A
	45883	9/7/2021 8:41:00 AM		DRY	A	N/A	N/A
	46035	9/14/2021 9:30:12 AM		DRY	A	N/A	N/A
	46116	9/21/2021 9:18:17 AM		DRY	A	NOFLOW	A
	46226	9/28/2021 9:20:23 AM		OVERCAST	A	N/A	N/A
	46320	10/5/2021 8:20:00 AM		DRY	A	N/A	N/A
	46534	10/12/2021 7:50:44 AM		DRY	A	NOFLOW	N/A
	46607	10/19/2021 8:15:32 AM		DRY	A	NOFLOW	A
	46731	10/26/2021 8:30:13 AM		DRY	A	N/A	N/A
	46840	11/2/2021 9:42:00 AM	good	OVERCAST	A	N/A	N/A
	47008	11/9/2021 7:50:40 AM		WET	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

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.	47104	11/16/2021 10:15:51 AM		DRY	A	NOFLOW	A
	47204	11/23/2021 8:20:00 AM		WET	A	N/A	N/A
	47276	11/30/2021 8:10:10 AM		OVERCAST	A	N/A	N/A
	47331	12/9/2021 1:15:00 PM		OVERCAST	A	N/A	N/A
	47557	12/14/2021 8:45:00 AM		OVERCAST	A	N/A	N/A
	47583	12/21/2021 8:30:26 AM		OVERCAST	A	NOFLOW	A
	47671	12/28/2021 8:00:32 AM		OVERCAST	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #22 - MAIN @ OAK MAIN W/O ASH	42068	1/5/2021 8:23:00 AM		OVERCAST	A	N/A	N/A
	42176	1/12/2021 7:52:58 AM		WET	A	N/A	N/A
	42299	1/19/2021 8:18:23 AM		OVERCAST	A	NOTVISABLE	A
	42374	1/26/2021 12:26:03 PM		OVERCAST	A	N/A	N/A
	42491	2/2/2021 8:55:00 AM		OVERCAST	A	N/A	N/A
	42644	2/9/2021 8:19:27 AM		OVERCAST	A	N/A	N/A
	42769	2/16/2021 8:31:47 AM		SNOW	A	NOTVISABLE	A
	42849	2/23/2021 9:02:00 AM		DRY	A	N/A	N/A
	42939	3/2/2021 8:24:00 AM		DRY	A	N/A	N/A
	43097	3/9/2021 7:57:42 AM		DRY	A	N/A	N/A
	43209	3/16/2021 10:29:50 AM		DRY	A	NOTVISABLE	A
	43313	3/23/2021 8:06:18 AM		OVERCAST	A	N/A	N/A
	43402	3/30/2021 8:11:53 AM		DRY	A	N/A	N/A
	43510	4/6/2021 8:39:00 AM		DRY	A	N/A	N/A
	43709	4/13/2021 8:45:35 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #22 - MAIN @ OAK MAIN W/O ASH	43794	4/20/2021 9:32:41 AM		DRY	A	NOTVISABLE	A
	43891	4/27/2021 9:55:41 AM		DRY	A	N/A	N/A
	44005	5/4/2021 7:49:00 AM		DRY	A	N/A	N/A
	44164	5/11/2021 7:40:00 AM	The ground water is moving back through control valve into manhole. Slow seep.	DRY	A	N/A	N/A
	44274	5/18/2021 9:05:13 AM		DRY	A	NOTVISABLE	A
	44383	5/25/2021 8:40:47 AM		DRY	A	N/A	N/A
	44474	6/1/2021 8:53:00 AM		DRY	A	N/A	N/A
	44598	6/8/2021 9:00:26 AM		DRY	A	N/A	N/A
	44698	6/15/2021 8:21:05 AM		DRY	A	NOTVISABLE	A
	44799	6/22/2021 9:00:03 AM		DRY	A	N/A	N/A
	44899	6/29/2021 9:45:18 AM		DRY	A	N/A	N/A
	44985	7/6/2021 8:45:00 AM		DRY	A	N/A	N/A
	45125	7/13/2021 8:15:23 AM		DRY	A	N/A	N/A
	45209	7/20/2021 8:20:53 AM		DRY	A	NOFLOW	A
	45301	7/27/2021 9:45:40 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #22 - MAIN @ OAK MAIN W/O ASH	45395	8/3/2021 8:15:00 AM		DRY	A	N/A	N/A
	45513	8/10/2021 8:31:04 AM		DRY	A	N/A	N/A
	45629	8/17/2021 9:40:39 AM		DRY	A	NOFLOW	A
	45731	8/25/2021 7:35:18 AM		DRY	A	N/A	N/A
	45817	8/31/2021 8:14:15 AM		DRY	A	N/A	N/A
	45884	9/7/2021 8:26:00 AM		DRY	A	N/A	N/A
	46036	9/14/2021 9:15:27 AM	Could not check due to construction.	DRY	SEC	N/A	N/A
	46115	9/21/2021 8:51:59 AM		DRY	A	NOFLOW	A
	46225	9/28/2021 9:10:38 AM		OVERCAST	A	N/A	N/A
	46319	10/5/2021 9:10:00 AM		DRY	A	N/A	N/A
	46535	10/12/2021 7:35:02 AM		DRY	A	NOFLOW	N/A
	46608	10/19/2021 9:40:19 AM		DRY	A	NOFLOW	A
	46732	10/26/2021 8:15:24 AM		DRY	A	N/A	N/A
	46839	11/2/2021 9:45:35 AM		OVERCAST	A	N/A	N/A
	47009	11/9/2021 7:40:00 AM		WET	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #22 - MAIN @ OAK MAIN W/O ASH	47103	11/16/2021 9:37:53 AM		DRY	A	NOTVISABLE	A
	47197	11/23/2021 9:00:46 AM	CSO outfall connection was eliminated 11/18/2021.	WET	SEC	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #26 - LINCOLN @ SPOKANE FALLS BLVD VAULT ON SW CORNER. WEIR MOD PLAN #99057 AND #99-057	42069	1/5/2021 9:15:00 AM		OVERCAST	A	N/A	N/A
	42177	1/12/2021 7:46:07 AM		WET	A	N/A	N/A
	42298	1/19/2021 8:04:16 AM		OVERCAST	A	NOFLOW	A
	42373	1/26/2021 12:17:41 PM		OVERCAST	A	N/A	N/A
	42490	2/2/2021 8:36:00 AM		OVERCAST	A	N/A	N/A
	42643	2/9/2021 7:56:29 AM		OVERCAST	A	N/A	N/A
	42767	2/16/2021 8:18:56 AM	Flow is normal spring water	SNOW	A	FLOW	A
	42847	2/23/2021 8:42:28 AM		DRY	A	N/A	N/A
	42934	3/2/2021 8:36:00 AM		DRY	A	N/A	N/A
	43098	3/9/2021 7:48:21 AM		DRY	A	N/A	N/A
	43208	3/16/2021 10:06:46 AM	Flow is normal spring water.	DRY	A	FLOW	A
	43312	3/23/2021 7:46:13 AM		OVERCAST	A	N/A	N/A
	43399	3/30/2021 8:33:24 AM		DRY	A	N/A	N/A
	43512	4/6/2021 9:11:00 AM		DRY	A	N/A	N/A
	43710	4/13/2021 8:15:57 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #26 - LINCOLN @ SPOKANE FALLS BLVD VAULT ON SW CORNER. WEIR MOD PLAN #99057 AND #99-057	43793	4/20/2021 9:06:43 AM		DRY	A	NOTVISABLE	A
	43887	4/27/2021 9:45:29 AM		DRY	A	N/A	N/A
	44003	5/4/2021 8:14:00 AM		DRY	A	N/A	N/A
	44163	5/11/2021 7:30:00 AM		DRY	A	N/A	N/A
	44269	5/18/2021 8:45:11 AM		DRY	A	NOTVISABLE	N/A
	44380	5/25/2021 8:20:38 AM		DRY	A	N/A	N/A
	44472	6/1/2021 9:20:00 AM		DRY	A	N/A	N/A
	44599	6/8/2021 8:30:55 AM		DRY	A	N/A	N/A
	44696	6/15/2021 9:16:28 AM	The flow is the every day ground water.	DRY	A	FLOW	A
	44802	6/22/2021 8:45:23 AM		DRY	A	N/A	N/A
	44898	6/29/2021 9:30:17 AM		DRY	A	N/A	N/A
	44984	7/6/2021 8:55:00 AM		DRY	A	N/A	N/A
	45124	7/13/2021 8:00:48 AM		DRY	A	N/A	N/A
	45208	7/20/2021 8:05:35 AM		DRY	A	NOFLOW	A
	45300	7/27/2021 9:35:58 AM		DRY	A	N/A	N/A

Manhole Weir Check Cyclic Report for 2021

Location	Work Order #	Inspection Date	Comments	WEATHER OBSERVATION	WEIR CONDITION	WEIR OUTFALL CONDITION	WEIR SIGN CONDITION
CSO #26 - LINCOLN @ SPOKANE FALLS BLVD VAULT ON SW CORNER. WEIR MOD PLAN #99057 AND #99-057	45394	8/3/2021 9:53:00 AM		DRY	A	N/A	N/A
	45511	8/10/2021 8:03:59 AM		DRY	A	N/A	N/A
	45624	8/17/2021 9:15:55 AM		DRY	A	NOFLOW	A
	45730	8/25/2021 7:25:33 AM		DRY	A	N/A	N/A
	45816	8/31/2021 8:29:50 AM	Unable to check weir due to const. congestion for the library.	DRY	SEC	N/A	N/A
	45886	9/7/2021 8:20:00 AM		DRY	A	N/A	N/A
	46037	9/14/2021 9:10:35 AM		DRY	A	N/A	N/A
	46114	9/21/2021 8:19:00 AM	Flow is normal spring water	DRY	A	FLOW	A
	46222	9/28/2021 9:00:43 AM		OVERCAST	A	N/A	N/A

Weir Check Events Noncyclic Report

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 10	46336	TANK IN FIELD W/OF NETTLETON	9/29/2021 8:30:34 AM	CSO Intermediate Event Check	Check as a result of tanks filling during wet weather event. All checks complete and okay.		A	CLEAN	N/A	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 12	42337		1/14/2021 1:15:37 PM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty all other intermediate checks ok.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	44832	PETTET DR - CSO 12 TANK	6/16/2021 8:30:06 AM	CSO Intermediate Event Check	Check as a result of alarm that flush tanks were filling. Flush tanks found empty during inspection. All other intermediate checks okay.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	44869	PETTET DR - CSO 12 TANK	6/18/2021 9:30:12 AM	CSO Intermediate Event Check	Checks as a result of alarm that tanks were filling. All checks complete. Tanks and sump flushed and now clean.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	46209		9/20/2021 11:00:52 AM	CSO Intermediate Event Check	check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty cleaned them. All other intermitdiate checks ok.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	46343	PETTET DR - CSO 12 TANK	9/29/2021 10:00:03 AM	CSO Intermediate Event Check	Check as a result of tanks filling during wet weather event. All checks complete and okay.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	46390	PETTET DR - CSO 12 TANK	10/1/2021 10:15:11 AM	CSO Intermediate Event Check	Check as a result of tanks filling alert due to wet weather event. Checks complete and okay.		A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 12	46821	PETTET DR - CSO 12 TANK	10/25/2021 9:00:20 AM	CSO Intermediate Event Check	Checks as a result of alert that flush tanks filling. All checks complete and okay.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	46948	PETTET DR - CSO 12 TANK	11/1/2021 10:00:23 AM	CSO Intermediate Event Check	False alarm that flush tanks were filling. All checks complete and okay. Notified monitoring crew of possible problem.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	47173	PETTET DR - CSO 12 TANK	11/15/2021 10:00:59 AM	CSO Intermediate Event Check	Check as a result of alert that tank was filling during wet weather event. All checks complete and okay.		A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	47303	PETTET DR - CSO 12 TANK	11/29/2021 9:45:14 AM	CSO Intermediate Event Check	Check as a result of alert that flush tank was filling during wet weather event. Flush tanks needed flushed. Sump not draining as normal. Bounced float and used bypass valve to empty FCC. Will investigate issue later today. All checks complete.		A	FULL	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 23-2	44848	BRIDGE & ASH - CSO 23-2	6/17/2021 8:30:04 AM	CSO Intermediate Event Check	Checks as a result of alarm that tank was overflowing. All intermediate checks okay. This tank does not overflow to the river.		A	N/A	N/A	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 24-1	42152		1/5/2021 9:30:33 AM	CSO Extreme Event Check	Check is the result of an overflow during an extreme rain event. Outfall and sign ok. Flow in cti to high to drain tank.		N/A	N/A	OK	N/A	N/A	DRY
	42317		1/13/2021 9:00:16 AM	CSO Extreme Event Check	Check is the result of an alarm that tank over flowing during a rain event. Out fall and sign ok. Flow in cti to high to pump tank.		N/A	N/A	OK	NO FLOW	N/A	DRY
	45796	ADAMS BETWEEN 1ST & SPRAGUE	8/23/2021 1:00:55 PM	CSO Intermediate Event Check	Checks as a result of flush tank taking on water during storm. Possible false alarm as no evidence of water was visible in the tank. All other intermediate checks complete and ok.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	46200		9/20/2021 9:00:01 AM	CSO Intermediate Event Check	Check is the result of an alarm that flushtank filling. Flush tanks were full emptied and cleaned. All other intermediate checks ok.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	46379	ADAMS BETWEEN 1ST & SPRAGUE	10/4/2021 8:45:06 AM	CSO Intermediate Event Check	Flushing tanks free of debris after finding tanks dirty. No alert was sent about tanks filling. Monitoring crew is changing settings.							

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 24-1	47177	ADAMS BETWEEN 1ST & SPRAGUE	11/15/2021 10:45:37 AM	CSO Intermediate Event Check	Check as a result of alert that tank was filling during wet weather event. Flush tanks and spillways need cleaning. All checks complete.		A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 24-2	44851		6/17/2021 9:15:37 AM	CSO Intermediate Event Check	Checks as a result of an alarm that tanks are filling. All intermediate checks okay. This tank does not overflow to the river.		A	N/A	N/A	NO FLOW	N/A	DRY

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 26	46953	SFB & LINCOLN	11/1/2021 2:15:29 PM	CSO Intermediate Event Check	Flushed some tanks free of left over debris. All checks complete and okay.		A	CLEAN	OK	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-1	42318		1/13/2021 11:45:33 AM	CSO Intermediate Event Check	Check 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
	43453		3/25/2021 9:00:22 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks 1 and 2 were full emptyed and cleaned them. All other intermediate checks ok.		A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	44853	3RD & DENVER	6/17/2021 12:45:00 PM	CSO Intermediate Event Check	Checks as a result of alarm that tanks were filling. No overflow to river. All intermediate checks okay. Flush tanks 1 and 2 needed to be cleaned.		A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	45602		8/9/2021 10:00:46 AM	CSO Intermediate Event Check	check is theresult of an alarm that flush tank filling. Flush tank 1 has some water in it unable to empty it due to plc under repair. All other intermediate checks ok.		A	FULL	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-1	45832	3RD & DENVER	8/26/2021 7:45:00 AM	CSO Intermediate Event Check	Check as a result of flush tank taking on water during storm. All intermediate checks complete and okay. Bypass electric slide still inoperable. Sump requires cleaning.		A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	46215		9/20/2021 12:40:05 PM	CSO Intermediate Event Check	check is the result of an alarm that flush tank filling during a rain event. Flush tank have water in them cannot clean do to power problems. All other intermediate checks ok.		A	FULL	OK	NO FLOW	NEEDS CLEANING	DRY
	46346	3RD & DENVER	9/29/2021 3:15:35 PM	CSO Intermediate Event Check	Check as a result of tanks filling during wet weather event. All checks complete and okay. Sumo needs cleaned and flush tanks flushed.		A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	46391	3RD & DENVER	10/1/2021 11:00:54 AM	CSO Intermediate Event Check	Check as a result of tanks filling alert due to wet weather event. All checks complete and okay. Sump needs cleaning.		A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	46822	3RD & DENVER	10/25/2021 11:00:19 AM	CSO Intermediate Event Check	Check as a result of alert that flush tanks filling. Tank #1 gate stuck open; reset after flushing. Flushed tanks #1 & #2. Sump needs entry to clean. All check complete and okay.		A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 33-1	46925	3RD & DENVER	11/1/2021 9:45:52 AM	CSO Intermediate Event Check	Sump needs cleaned. All checks complete.		A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY
	47186	3RD & DENVER	11/15/2021 2:30:30 PM	CSO Intermediate Event Check	Check as a result of alert that tank was filling during wet weather event. Sump needs cleaned. Flushed tanks 1 & 2. All checks complete.		A	CLEAN	OK	NO FLOW	NEEDS CLEANING	OVERCAST
	47312	3RD & DENVER	11/29/2021 12:45:58 PM	CSO Intermediate Event Check	Check as a result of alert that flush tank was filling during wet weather event. Flush tanks 1 & 2 found full due to bypass power slide tagged out for electrical trouble shooting; flushed them. All checks complete.		A	FULL	OK	NO FLOW	NEEDS CLEANING	OVERCAST

Intermediate & Extreme Event Check Report for 2021

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	43419		3/23/2021 11:30:00 AM	CSO Intermediate Event Check	Check is the result of an early warning alarm. Flush tanks 1 through 6 were full flushed them. All other intermediate checks ok.		A	FULL	OK	NO FLOW	CLEAN	OVERCAST
	44881	RIVERSIDE BTWN LEE-CRESTLINE	6/21/2021 2:45:33 PM	CSO Intermediate Event Check	Checks as a result of alarm that tanks were filling. All checks complete and okay. Multiple tanks needed flushed multiple times.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	46434	RIVERSIDE BTWN LEE-CRESTLINE	10/4/2021 11:15:11 AM	CSO Intermediate Event Check	Went to check tank after weather event; no alert sent as monitoring crew is finishing installing devices there. Tanks found full and needing flushed and cleaned out.		A	FULL	OK	NO FLOW	CLEAN	DRY
	46924	RIVERSIDE BTWN LEE-CRESTLINE	11/1/2021 9:00:22 AM	CSO Intermediate Event Check	Flush tanks found full. Flushed tanks. All checks complete and okay.		A	FULL	OK	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 34-2	42277		1/11/2021 9:30:25 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks empty all other intermediate checks ok;		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	42360		1/18/2021 1:00:03 PM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Emptied flush tanks plc was shut down showing fault alarms no problem found. All other intermediate checks ok.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	45798	CSO TANK UNDERHILL PARK	8/23/2021 2:15:18 PM	CSO Intermediate Event Check	Check as a result of tanks filling during wet weather event. CTI found extra dirty and needs cleaned. Flush tanks and spillway okay. Intermediate checks complete and okay.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	46384	CSO TANK UNDERHILL PARK	10/1/2021 9:15:06 AM	CSO Intermediate Event Check	Check as a result of tanks filling alert during wet weather event. All checks complete and okay; possible false alarm.		A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	47184	CSO TANK UNDERHILL PARK	11/15/2021 1:15:00 PM	CSO Intermediate Event Check	Check as a result of alert that tank was filling during wet weather event. All checks complete and okay.		A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 34-3	42283		1/11/2021 10:00:00 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling. Flush tanks empty all other intermediate checks ok.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	42338		1/14/2021 2:30:30 PM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Tank is still partly full had hydro run through hydro slide to check for debris nothing found there may be influence from melting up stream.		N/A	N/A	OK	NO FLOW	N/A	DRY
	42346		1/15/2021 9:00:53 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Tank was draining on Thursday it is empty and all intermediate checks ok.		A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	47183	E/O RAY NEAR CONGRESS	11/15/2021 12:45:54 PM	CSO Intermediate Event Check	Check as a result of alert that tank was filling during wet weather event. All checks complete and okay.		A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 41	43851		4/15/2021 10:30:24 AM	CSO Intermediate Event Check	Call from cso monitoring crew of high flow at cso. Flow was caused from water dept. flushing a main up stream of cso a water blow off valve opened and caused a high influx of flow. There was flow into tank. All intermediate checks ok.		A	CLEAN	N/A	NO FLOW	CLEAN	DRY

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 6	42316		1/13/2021 8:00:43 AM	CSO Intermediate Event Check	Check 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
	44836	UNDERGROUND TANK NW & KIERNAN	6/16/2021 9:30:00 AM	CSO Intermediate Event Check	Check as a result of alarm that flush tanks were filling. Flush tanks found empty during inspection. All other intermediate checks okay.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	44879	UNDERGROUND TANK NW & KIERNAN	6/18/2021 3:00:04 PM	CSO Intermediate Event Check	Checks as a result of alarm that tanks were filling. All checks okay. Flush tanks needed cleaning.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	45597		8/9/2021 8:10:10 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling. Flush tanks were empty. All other intermediate checks ok.		A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST
	45797	UNDERGROUND TANK NW & KIERNAN	8/23/2021 1:30:17 PM	CSO Intermediate Event Check	Check as a result of tanks filling during water event. All flush tanks and spillways need cleaning. Intermediate checks complete and okay.		A	CLEAN	OK	NO FLOW	NEEDS CLEANING	DRY

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 6	46202		9/20/2021 9:30:26 AM	CSO Intermediate Event Check	Check is the result of an alarm that flush tank filling during a rain event. Flush tanks were empty . All other intermediate checks ok.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	46340	UNDERGROUND TANK NW & KIERNAN	9/29/2021 9:15:57 AM	CSO Intermediate Event Check	Check as a result of tanks filling during wet weather event. All checks complete and okay. Flushed and cleaned tanks 1 and 2 which retained water.		A	FULL	OK	NO FLOW	CLEAN	DRY
	46813	UNDERGROUND TANK NW & KIERNAN	10/25/2021 8:00:37 AM	CSO Intermediate Event Check	Check as a result of alert that flush tank was filling. Flush tanks full and needed drained due to "Low hydraulic fluid" and "High temperature" warning at control panel. Hydraulic level good and all systems operated correctly after a reset. All checks complete and okay.		A	FULL	OK	NO FLOW	CLEAN	DRY
	46927	UNDERGROUND TANK NW & KIERNAN	11/1/2021 10:45:25 AM	CSO Intermediate Event Check	False alarm that flush tanks were filling. Checks complete and okay. Notified monitoring crew of possible problem.		A	CLEAN	OK	NO FLOW	CLEAN	DRY
	47168	UNDERGROUND TANK NW & KIERNAN	11/15/2021 9:00:19 AM	CSO Intermediate Event Check	Check as a result of alert that tank was filling during wet weather event. All checks complete and okay.		A	CLEAN	OK	NO FLOW	CLEAN	OVERCAST

Intermediate & Extreme Event Check Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments		FLOAT CONTROL	FLUSH TANK	OPERATION ROOM	OVERFLOW CONTROL	SUMP	WEATHER CONDITION
CSO 6	47300	UNDERGROUND TANK NW & KIERNAN	11/29/2021 8:45:48 AM	CSO Intermediate Event Check	Check as a result of alert that flush tank was filling during wet weather event. Flush tanks found full; flushed tanks and cleaned tanks. All checks complete and okay.		A	FULL	OK	NO FLOW	CLEAN	OVERCAST

Weir Check and Tank Maintenance Noncyclic Report

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO #12	43502	CSO #12	3/29/2021 1:30:00 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 2008 N. PETTET DR 2 OF 2, WILKEN 2" RP 975XL #4057568

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO #12 CTI	44325	CSO #12 CTI	5/13/2021 11:00:00 AM	CSO Tank Maintenance	Clean CTI channel at CSO #12 after monitoring crew removes equipment.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO #24-1	44213	CSO #24-1	5/5/2021 3:00:47 PM	CSO Tank Maintenance	Installed phosphorus testing tubes at CSO #24-1. CSO crew from plant helped with tank entry.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 10	42320	MULTIPLE LOCATIONS	1/13/2021 2:30:37 PM	CSO Tank Maintenance	Check hydro slides at cso for debris all ok.
	47682	TANK IN FIELD W/OF NETTLETON	12/21/2021 1:45:34 PM	CSO Tank Maintenance	Painted bypass valve in FCC. Adjusted entrance gate after being struck and out of adjustment.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 12	42101	MULTIPLE LOCATIONS	1/4/2021 3:05:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks also run gen. at cso 26. 24-1 26 16 12 io-3 6 24-3 io-4 34-2
	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	43064	MULTIPLE LOCATIONS	3/2/2021 2:57:47 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. 24-1, 26 and generator run, I-04, 6, 12, I-03, 16, 24-3, 34-3
	43501	PETTET DR - CSO 12 TANK	3/29/2021 12:45:53 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 2008 N. PETTET DR 1 OF 2, WILKENS 2" RP 975XL #4261564
	43597	MULTIPLE LOCATIONS	4/1/2021 3:04:22 PM	CSO Tank Maintenance	Monthly cso fire extinguisher and odor control checks also generator at cso 26 installed warning sign for hearing with gen. running. check cso 26, cso 24-1, cso 6, I-03, cso 12, cso 16,
	44197	MULTIPLE LOCATIONS	5/5/2021 11:00:16 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO #12, I-03, and CSO #24-3.
	44544	MULTIPLE LOCATIONS	6/2/2021 3:15:00 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45575	MULTIPLE LOCATIONS	8/5/2021 2:00:26 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45992	MULTIPLE LOCATIONS	9/3/2021 3:15:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 6, 12, 26, 16, I-03, and I-04.
	46469	MULTIPLE LOCATIONS	10/4/2021 3:15:27 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 12	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46885	MULTIPLE LOCATIONS	10/28/2021 10:30:09 AM	CSO Tank Maintenance	Reinstall fire extinguishers at CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47313	PETTET DR - CSO 12 TANK	11/29/2021 3:00:48 PM	CSO Tank Maintenance	Clean FCC and check functionality of bypass valve. Valve operates normally again.
	47385	MULTIPLE LOCATIONS	12/2/2021 3:30:20 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 26, I-04, 6, I-03, 12, 24-3, 33-1, 34-2, 34-3, 34-1, I-07
	47518	MULTIPLE LOCATIONS	12/9/2021 1:45:55 PM	CSO Tank Maintenance	Checking heat tape on back flow preventer valves.
	47663	PETTET DR - CSO 12 TANK	12/20/2021 3:00:45 PM	CSO Tank Maintenance	Painted bypass valve control and handle orange. Removed graffiti from power box.
	47759	MULTIPLE LOCATIONS	12/29/2021 3:00:27 PM	CSO Tank Maintenance	Replacing CSO/IRT O&Ms, and SOPs with updated versions.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 16	42101	MULTIPLE LOCATIONS	1/4/2021 3:05:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks also run gen. at cso 26. 24-1 26 16 12 io-3 6 24-3 io-4 34-2
	42597	MULTIPLE LOCATIONS	2/1/2021 2:00:23 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. cso 26 also backup generator run. cso 16
	43064	MULTIPLE LOCATIONS	3/2/2021 2:57:47 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. 24-1, 26 and generator run, I-04, 6, 12, I-03, 16, 24-3, 34-3
	43496	PEOPLES PARK RIVERSIDE/CLARKE	3/29/2021 9:51:33 AM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING @ PEOPLES PARK 2414 W. CLARKE WILKENS 2" 975XL RP #2713744
	43597	MULTIPLE LOCATIONS	4/1/2021 3:04:22 PM	CSO Tank Maintenance	Monthly cso fire extinguisher and odor control checks also generator at cso 26 installed warning sign for hearing with gen. running. check cso 26, cso 24-1, cso 6, I-03, cso 12, cso 16,
	44157	MULTIPLE LOCATIONS	5/4/2021 3:15:14 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO #26 also ran generator. CSO #16. CSO #6.
	44544	MULTIPLE LOCATIONS	6/2/2021 3:15:00 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	44725	PEOPLES PARK RIVERSIDE/CLARKE	6/9/2021 11:00:47 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY MAINT. @ CSO 16 BACKFLOW PREVENTER DISCHARGING WATER DUE TO DEBRIS IN RECENT WATER MAIN WORK. CLEANED OUT DEBRIS & LUBED ASSEMBLY

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 16	44957	PEOPLES PARK RIVERSIDE/CL ARKE	6/25/2021 9:00:07 AM	CSO Tank Maintenance	BACKFLOW PREVENTER MAINT. - CLEANED OUT BACKFLOW PREVENTER ASSEMBLY FROM DEBRIS. POSSIBLE DUE TO CONSTRUCTION IN AREA.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45575	MULTIPLE LOCATIONS	8/5/2021 2:00:26 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45992	MULTIPLE LOCATIONS	9/3/2021 3:15:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 6, 12, 26, 16, I-03, and I-04.
	46469	MULTIPLE LOCATIONS	10/4/2021 3:15:27 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	46793	PEOPLES PARK RIVERSIDE/CL ARKE	10/21/2021 2:15:35 PM	CSO Tank Maintenance	Flushing tanks free of debris built up.
	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46855	PEOPLES PARK RIVERSIDE/CL ARKE	10/26/2021 10:00:59 AM	CSO Tank Maintenance	CLEANED BACKFLOW PREVENTER @ CSO 16 - DUE TO DEBRIS IN WATER MAIN.
	46836	PEOPLES PARK RIVERSIDE/CL ARKE	10/26/2021 10:30:52 AM	CSO Tank Maintenance	Finish flushing tanks #1 & #2 after RP device cleared free of debris and water dept. turning valve back on. Flush tanks are clean.
	46885	MULTIPLE LOCATIONS	10/28/2021 10:30:09 AM	CSO Tank Maintenance	Reinstall fire extinguishers at CSO tanks.
	47040	PEOPLES PARK RIVERSIDE/CL ARKE	11/4/2021 7:45:04 AM	CSO Tank Maintenance	Replace air filter on heater unit.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 16	47114	PEOPLES PARK RIVERSIDE/CL ARKE	11/9/2021 1:18:09 PM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING @ CSO16 - PEOPLES PARK. RETESTING REQUIRED DUE TO RELIEF VALVE DISCHARGE IN OCT. CLEANED, FLUSHED AND TESTED RP ASSEMBLY #2713744.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47416	MULTIPLE LOCATIONS	12/3/2021 11:00:54 AM	CSO Tank Maintenance	Monthly cso fire extinguisher checks. 33-2, 38-1, 38-2, 24-1, 16.
	47518	MULTIPLE LOCATIONS	12/9/2021 1:45:55 PM	CSO Tank Maintenance	Checking heat tape on back flow preventer valves.
	47701	PEOPLES PARK RIVERSIDE/CL ARKE	12/22/2021 1:00:46 PM	CSO Tank Maintenance	Check on tarps and drainage after snow melt.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 23-1	42320	MULTIPLE LOCATIONS	1/13/2021 2:30:37 PM	CSO Tank Maintenance	Check hydro slides at cso for debris all ok.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-1	42101	MULTIPLE LOCATIONS	1/4/2021 3:05:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks also run gen. at cso 26. 24-1 26 16 12 io-3 6 24-3 io-4 34-2
	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	43064	MULTIPLE LOCATIONS	3/2/2021 2:57:47 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. 24-1, 26 and generator run, I-04, 6, 12, I-03, 16, 24-3, 34-3
	43498	ADAMS BETWEEN 1ST & SPRAGUE	3/29/2021 10:45:00 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 10 S. ADAMS 1 OF 2 CSO 24 WILKENS 3/4" RP #4590010
	43597	MULTIPLE LOCATIONS	4/1/2021 3:04:22 PM	CSO Tank Maintenance	Monthly cso fire extinguisher and odor control checks also generator at cso 26 installed warning sign for hearing with gen. running. check cso 26, cso 24-1, cso 6, I-03, cso 12, cso 16,
	43716	ADAMS BETWEEN 1ST & SPRAGUE	4/7/2021 10:30:04 AM	CSO Tank Maintenance	BACKFLOW ASSEMBLY TESTING @ CSO 24 UNABLE TO PASS - TOOK ASSEMBLY APART TO DETERMINE FAULT, RESEARCHED PARTS NEEDED. WILKEN RPDA, 4" #Y13641 375ADA
	43949	ADAMS BETWEEN 1ST & SPRAGUE	4/22/2021 3:00:16 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING CSO 24, 10 S. ADAMS WILKIN 375DA, 4" RPDA, #Y13641 REPLACED CV 1 MODULE.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-1	44073	ADAMS BETWEEN 1ST & SPRAGUE	4/30/2021 10:00:08 AM	CSO Tank Maintenance	Installed decals to low hanging duct work. Supervised installation of replacement water valve. Leak check good.
	44222	ADAMS BETWEEN 1ST & SPRAGUE	5/6/2021 10:30:38 AM	CSO Tank Maintenance	Finished setting up water sampler at over flow weir
	44340	MULTIPLE LOCATIONS	5/14/2021 3:30:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 24-1, 34-2, 33-1, 34-3, 38-2, 38-1, I-04.
	44544	MULTIPLE LOCATIONS	6/2/2021 3:15:00 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45436	ADAMS BETWEEN 1ST & SPRAGUE	7/29/2021 3:15:58 PM	CSO Tank Maintenance	Cleaning and prep for tours next week. Pesticide treatment applied to mechanical room on South side.
	45444	RIVERSIDE BTWN LEE-CRESTLINE	7/30/2021 11:30:05 AM	CSO Tank Maintenance	Flush tanks 3 - 6 free of built up debris.
	45601	MULTIPLE LOCATIONS	8/9/2021 2:30:17 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks 33-1 24-1 34-2 34-3 34-1 33-2 I-07
	46033	MULTIPLE LOCATIONS	9/8/2021 3:00:55 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Checks complete.
	46469	MULTIPLE LOCATIONS	10/4/2021 3:15:27 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46863	MULTIPLE LOCATIONS	10/27/2021 3:00:29 PM	CSO Tank Maintenance	Reinstall fire extinguishers in CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-1	47416	MULTIPLE LOCATIONS	12/3/2021 11:00:54 AM	CSO Tank Maintenance	Monthly cso fire extinguisher checks. 33-2, 38-1, 38-2, 24-1, 16.
	47466	ADAMS BETWEEN 1ST & SPRAGUE	12/6/2021 3:15:00 PM	CSO Tank Maintenance	Flushing flush tanks free of deposits from last Intermediate Event.
	47470	ADAMS BETWEEN 1ST & SPRAGUE	12/7/2021 11:45:16 AM	CSO Tank Maintenance	Flush tanks and sump.
	47684	ADAMS BETWEEN 1ST & SPRAGUE	12/21/2021 2:30:27 PM	CSO Tank Maintenance	Painted bypass control and handle orange to identify during overflow.
	47693	ADAMS BETWEEN 1ST & SPRAGUE	12/22/2021 9:00:58 AM	CSO Tank Maintenance	Try cleaning the spillway with different nozzles.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-2	45162		7/8/2021 3:00:46 PM	CSO Tank Maintenance	Sumps found dirty during intermediate checks. Cleaned the Western sump.
	45177		7/9/2021 1:00:16 PM	CSO Tank Maintenance	Clean Eastern sump and gravity check valves.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-3 HATCH (CSO 20-1)	42101	MULTIPLE LOCATIONS	1/4/2021 3:05:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks also run gen. at cso 26. 24-1 26 16 12 io-3 6 24-3 io-4 34-2
	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	42724	43RD & GARFIELD	2/4/2021 2:00:26 PM	CSO Tank Maintenance	Replace galvanized bolts with stainless steel bolts in safety grate at stairwell hatch.
	43064	MULTIPLE LOCATIONS	3/2/2021 2:57:47 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. 24-1, 26 and generator run, I-04, 6, 12, I-03, 16, 24-3, 34-3
	43199	MULTIPLE LOCATIONS	3/8/2021 1:00:23 PM	CSO Tank Maintenance	Check sound levels in cso 26 odor control and backup generator cso 24-3 Nate will evaluate them.
	43460	43RD & GARFIELD	3/25/2021 1:04:54 PM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING - 2" WILKENS 375XL #B033742 @ 820 E. 43RD
	43627	MULTIPLE LOCATIONS	4/2/2021 2:00:15 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks I-04, 24-3, 34-3, 33-1.
	43831	43RD & GARFIELD	4/14/2021 2:15:39 PM	CSO Tank Maintenance	Entered to check on lighting system malfunction. One drop down light bulb out. We will notify building maintenance.
	44197	MULTIPLE LOCATIONS	5/5/2021 11:00:16 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO #12, I-03, and CSO #24-3.
	44544	MULTIPLE LOCATIONS	6/2/2021 3:15:00 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 24-3 HATCH (CSO 20-1)	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45575	MULTIPLE LOCATIONS	8/5/2021 2:00:26 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	46033	MULTIPLE LOCATIONS	9/8/2021 3:00:55 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Checks complete.
	46469	MULTIPLE LOCATIONS	10/4/2021 3:15:27 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	46630	43RD & GARFIELD	10/13/2021 10:00:39 AM	CSO Tank Maintenance	Structural inspection complete. LSB Consulting & Engineering.
	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46863	MULTIPLE LOCATIONS	10/27/2021 3:00:29 PM	CSO Tank Maintenance	Reinstall fire extinguishers in CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47385	MULTIPLE LOCATIONS	12/2/2021 3:30:20 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 26, I-04, 6, I-03, 12, 24-3, 33-1, 34-2, 34-3, 34-1, I-07
	47518	MULTIPLE LOCATIONS	12/9/2021 1:45:55 PM	CSO Tank Maintenance	Checking heat tape on back flow preventer valves.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	47097	SFB & LINCOLN		CSO Tank Maintenance	Pumping out and flushing debris from the sump.
	47255	SFB & LINCOLN		CSO Tank Maintenance	Installed a temporary drainage circuit for odor control room.
	42101	MULTIPLE LOCATIONS	1/4/2021 3:05:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks also run gen. at cso 26. 24-1 26 16 12 io-3 6 24-3 io-4 34-2
	42276	SFB & LINCOLN	1/11/2021 9:00:42 AM	CSO Tank Maintenance	Changed mist filters and brought dirty filters to shop to clean.
	42597	MULTIPLE LOCATIONS	2/1/2021 2:00:23 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. cso 26 also backup generator run. cso 16
	42723	SFB & LINCOLN	2/4/2021 10:45:22 AM	CSO Tank Maintenance	Clean up debris in air duct room and organize equipment.
	43064	MULTIPLE LOCATIONS	3/2/2021 2:57:47 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. 24-1, 26 and generator run, I-04, 6, 12, I-03, 16, 24-3, 34-3
	43199	MULTIPLE LOCATIONS	3/8/2021 1:00:23 PM	CSO Tank Maintenance	Check sound levels in cso 26 odor control and backup generator cso 24-3 Nate will evaluate them.
	43359	SFB & LINCOLN	3/18/2021 1:30:53 PM	CSO Tank Maintenance	De winterized water system and tested hose nozzle from cso 24-1 nozzle did not work very well. Repaired leak at flush tank #3 fill valve.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	43597	MULTIPLE LOCATIONS	4/1/2021 3:04:22 PM	CSO Tank Maintenance	Monthly cso fire extinguisher and odor control checks also generator at cso 26 installed warning sign for hearing with gen. running. check cso 26, cso 24-1, cso 6, I-03, cso 12, cso 16,
	43746	SFB & LINCOLN	4/8/2021 1:00:00 PM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING @ CSO 26 WILKENS 4" RP 375A #X45604 ADJUST RELIEF VALVE TENSION.
	44157	MULTIPLE LOCATIONS	5/4/2021 3:15:14 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO #26 also ran generator. CSO #16. CSO #6.
	44247	SFB & LINCOLN	5/7/2021 3:00:11 PM	CSO Tank Maintenance	Finished installing caution tape on low hanging duct work. Installed thermometers to check room temperature after running back-up generator for 45 minutes. Found minor fluid leak on oil cooling unit hoses. Concerns for electrical room temps if generator had to run for many hours; will check with Sabosic.
	44443	SFB & LINCOLN	5/21/2021 10:00:13 AM	CSO Tank Maintenance	Installation of phosphorus sampling device at CSO 26.
	44544	MULTIPLE LOCATIONS	6/2/2021 3:15:00 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45266	SFB & LINCOLN	7/16/2021 10:30:58 AM	CSO Tank Maintenance	Storing replacement bollards on duct work floor.
	45354	SFB & LINCOLN	7/23/2021 11:00:14 AM	CSO Tank Maintenance	Lubricated odor control motor and drive shaft and pillow block. Made adjustment to main hatch.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	45575	MULTIPLE LOCATIONS	8/5/2021 2:00:26 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45992	MULTIPLE LOCATIONS	9/3/2021 3:15:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 6, 12, 26, 16, I-03, and I-04.
	46124	SFB & LINCOLN	9/14/2021 3:15:36 PM	CSO Tank Maintenance	Working with building maintenance to determine issues with SF-1 fan unit.
	46193	SFB & LINCOLN	9/17/2021 2:15:00 PM	CSO Tank Maintenance	Degreasing replacement mist eliminator filters with new procedure and degreaser. 2 filters worked on.
	46492	MULTIPLE LOCATIONS	10/5/2021 3:15:24 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	46543	SFB & LINCOLN	10/6/2021 3:15:52 PM	CSO Tank Maintenance	Meet monitoring crew to discuss SOP for running pumps and minimum sump level. Troubleshoot lighting and switches for tanks 1 & 2; lighting issue resolved.
	46553	SFB & LINCOLN	10/7/2021 2:00:26 PM	CSO Tank Maintenance	Use pumps to drain sump and flush tanks repeatedly to clean spillways.
	46655	SFB & LINCOLN	10/14/2021 11:15:22 AM	CSO Tank Maintenance	Flushing tanks to stir up sump and pump out for water exchange.
	46828	MULTIPLE LOCATIONS	10/25/2021 2:00:00 PM	CSO Tank Maintenance	Finished picking up fire extinguishers for recertification from CSO 26 and CSO 33-2. Take inventory of all serviceable equipment for building maintenance annual checks list. Check on sump level after rain water drained from pavilion surface.
	46885	MULTIPLE LOCATIONS	10/28/2021 10:30:09 AM	CSO Tank Maintenance	Reinstall fire extinguishers at CSO tanks.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	46975	SFB & LINCOLN	11/2/2021 10:45:07 AM	CSO Tank Maintenance	Trial run of hydro slide operation for future bypass pumping for Post Street bridge. Discovered an issue with "teflon" seal on upstream side of hydro slide.
	47035	SFB & LINCOLN	11/3/2021 2:45:24 PM	CSO Tank Maintenance	Drained sump to below new alarm height. Monitoring crew adjusted alarm signaling. Prepared drainage tarps for install.
	47050	SFB & LINCOLN	11/4/2021 2:15:07 PM	CSO Tank Maintenance	Investigate possible blockages inside odor control unit.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47251	SFB & LINCOLN	11/19/2021 2:30:51 PM	CSO Tank Maintenance	Flush and pump down spillways and sump as required.
	47307	SFB & LINCOLN	11/29/2021 10:30:25 AM	CSO Tank Maintenance	Sump full alert sent through monitoring. Pumped down sump to proper level.
	47372	SFB & LINCOLN	12/1/2021 3:00:23 PM	CSO Tank Maintenance	Install drain tarps over odor control unit
	47385	MULTIPLE LOCATIONS	12/2/2021 3:30:20 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 26, I-04, 6, I-03, 12, 24-3, 33-1, 34-2, 34-3, 34-1, I-07
	47437	SFB & LINCOLN	12/3/2021 2:00:00 PM	CSO Tank Maintenance	Set up chain hoist and test them at cso
	47568	SFB & LINCOLN	12/13/2021 3:15:37 PM	CSO Tank Maintenance	Drained sump to pump settled debris out.
	47595	SFB & LINCOLN	12/14/2021 3:00:49 PM	CSO Tank Maintenance	Cleaned top of odor control unit.
	47627	SFB & LINCOLN	12/15/2021 3:00:45 PM	CSO Tank Maintenance	Fred flush out debris using pumps in sump. Kris finish cleaning off top of odor control unit.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 26	47699	SFB & LINCOLN	12/22/2021 10:30:33 AM	CSO Tank Maintenance	Try out nozzles to clean spillway. Hoist operation works well. Cleaning power of fire nozzles is great. Some modification needs to be made.
	47705	SFB & LINCOLN	12/23/2021 2:30:15 PM	CSO Tank Maintenance	Drain water system, run odor control system, pump down sump, adjust drain system over odor control.
	47738	SFB & LINCOLN	12/28/2021 11:00:05 AM	CSO Tank Maintenance	Grease water nozzles on carts. Clean up debris from East entryway. Squeegee puddles to nearby spillway lid.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-1	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	43111	MULTIPLE LOCATIONS	3/3/2021 10:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. cso 33-1, 34-2, 38-2, 38-1, 34-1, 33-2.
	43546	3RD & DENVER	3/31/2021 10:00:35 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING - CSO 33-1 1OF2 WILKENS RP 3/4" 975XL #4368325
	43547	3RD & DENVER	3/31/2021 11:00:51 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 33-1 2 OF 2, WILKENS 4" RPDA 375DA #Y12645
	43627	MULTIPLE LOCATIONS	4/2/2021 2:00:15 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks I-04, 24-3, 34-3, 33-1.
	43823	CSO 33-1	4/14/2021 11:15:42 AM	CSO Tank Maintenance	CREW #12 ASSISTED WITH MH ENTRY AND TANK CLEANING
		CSO 33-1	4/14/2021 11:15:42 AM	CSO Tank Maintenance	Entered sump for cleaning of debris and hydroslide and to troubleshoot malfunction of electric slide with CSO crew.
	44242	3RD & DENVER	5/7/2021 11:00:08 AM	CSO Tank Maintenance	Entry to check on damaged to baffles on overflow to tank weir.
	44340	MULTIPLE LOCATIONS	5/14/2021 3:30:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 24-1, 34-2, 33-1, 34-3, 38-2, 38-1, I-04.
	44617	MULTIPLE LOCATIONS	6/2/2021 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-1	45601	MULTIPLE LOCATIONS	8/9/2021 2:30:17 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks 33-1 24-1 34-2 34-3 34-1 33-2 I-07
	45721	3RD & DENVER	8/17/2021 8:45:58 AM	Check Weir	Alerting system stated 33-1 flush tank 1 was taking on water. Checked diversion vault to sign of overflow to tank. Checked tank 1 and there is water in flush tank only. Power down for replacement of power wire to overflow slide; wait to flush tank after power is reinstalled.
	46033	MULTIPLE LOCATIONS	9/8/2021 3:00:55 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Checks complete.
	46469	MULTIPLE LOCATIONS	10/4/2021 3:15:27 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46828	MULTIPLE LOCATIONS	10/25/2021 2:00:00 PM	CSO Tank Maintenance	Finished picking up fire extinguishers for recertification from CSO 26 and CSO 33-2. Take inventory of all serviceable equipment for building maintenance annual checks list. Check on sump level after rain water drained from pavilion surface.
	46863	MULTIPLE LOCATIONS	10/27/2021 3:00:29 PM	CSO Tank Maintenance	Reinstall fire extinguishers in CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47334	3RD & DENVER	11/30/2021 11:00:11 AM	CSO Tank Maintenance	Fill and flush tanks 1& 2 to flush sump.
	47385	MULTIPLE LOCATIONS	12/2/2021 3:30:20 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 26, I-04, 6, I-03, 12, 24-3, 33-1, 34-2, 34-3, 34-1, I-07

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-1	47759	MULTIPLE LOCATIONS	12/29/2021 3:00:27 PM	CSO Tank Maintenance	Replacing CSO/IRT O&Ms, and SOPs with updated versions.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-2	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	43111	MULTIPLE LOCATIONS	3/3/2021 10:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. cso 33-1, 34-2, 38-2, 38-1, 34-1, 33-2.
	43553	CSO TANK S OF SPRAGUE, E OF SCOTT	3/31/2021 2:00:15 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 902 E. SPRAGUE CSO 33-2, WILKEN 2" RP375XL #A490465
	43698	MULTIPLE LOCATIONS	4/6/2021 3:30:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks on CSO's: 34-2, 38-2, 38-1, 34-1, 33-2.
	44353	MULTIPLE LOCATIONS	5/17/2021 9:30:36 AM	CSO Tank Maintenance	Fire extinguisher and odor control checks. CSO 34-1, 33-2.
	44655	CSO TANK S OF SPRAGUE, E OF SCOTT	6/4/2021 7:45:10 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45601	MULTIPLE LOCATIONS	8/9/2021 2:30:17 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks 33-1 24-1 34-2 34-3 34-1 33-2 I-07
	46055	MULTIPLE LOCATIONS	9/9/2021 11:00:33 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Checks complete.
	46551	CSO TANK S OF SPRAGUE, E OF SCOTT	10/7/2021 8:00:14 AM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks. All tank checks complete.
	46863	MULTIPLE LOCATIONS	10/27/2021 3:00:29 PM	CSO Tank Maintenance	Reinstall fire extinguishers in CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 33-2	47416	MULTIPLE LOCATIONS	12/3/2021 11:00:54 AM	CSO Tank Maintenance	Monthly cso fire extinguisher checks. 33-2, 38-1, 38-2, 24-1, 16.
	47518	MULTIPLE LOCATIONS	12/9/2021 1:45:55 PM	CSO Tank Maintenance	Checking heat tape on back flow preventer valves.
	47759	MULTIPLE LOCATIONS	12/29/2021 3:00:27 PM	CSO Tank Maintenance	Replacing CSO/IRT O&Ms, and SOPs with updated versions.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-1 CRESTLINE	42288	MULTIPLE LOCATIONS	1/11/2021 10:45:47 AM	CSO Tank Maintenance	fire extinguisher and odor control checks 34-3, 34-1
	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	43111	MULTIPLE LOCATIONS	3/3/2021 10:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. cso 33-1, 34-2, 38-2, 38-1, 34-1, 33-2.
	43334	RIVERSIDE BTWN LEE-CRESTLINE	3/17/2021 12:44:54 PM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING - WATTS DC 4" SN SH-1066 MOD 757
	43426	MULTIPLE LOCATIONS	3/23/2021 7:30:18 PM	Check Weir	From Request 2188: Code: CSO_WARN Description: CSO Early Warning Alarm Details: EARLY WARNING, DRY WEATHER Comments: CSO EARLY WARNING @ CSO34 CHECKED CSO 34-1 & 34-2 BOTH FLOWING WITH NO SIGHS OF BACKUP
	43555	RIVERSIDE BTWN LEE-CRESTLINE	3/31/2021 3:00:09 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 2110 E. RIVERSIDE CSO 34 -1, 4" WILKENS RP 375A #41211
	43698	MULTIPLE LOCATIONS	4/6/2021 3:30:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks on CSO's: 34-2, 38-2, 38-1, 34-1, 33-2.
	43830	RIVERSIDE BTWN LEE-CRESTLINE	4/14/2021 1:15:43 PM	CSO Tank Maintenance	Checking spillway lighting system for malfunction. Two lights out and one dim. Building maintenance will be notified.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-1 CRESTLINE	44353	MULTIPLE LOCATIONS	5/17/2021 9:30:36 AM	CSO Tank Maintenance	Fire extinguisher and odor control checks. CSO 34-1, 33-2.
	44617	MULTIPLE LOCATIONS	6/2/2021 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45064	RIVERSIDE BTWN LEE-CRESTLINE	7/2/2021 10:15:22 AM	CSO Tank Maintenance	Flushing tanks of debris out of flush tanks 2-5.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45196	RIVERSIDE BTWN LEE-CRESTLINE	7/12/2021 2:00:41 PM	CSO Tank Maintenance	Flush tanks 1-5 cleaned and flushed free of built up debris.
	45240	RIVERSIDE BTWN LEE-CRESTLINE	7/14/2021 1:30:11 PM	CSO Tank Maintenance	Flush tank 6 and final clean water flush through tank 8 for sump cleaning.
	45601	MULTIPLE LOCATIONS	8/9/2021 2:30:17 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks 33-1 24-1 34-2 34-3 34-1 33-2 I-07
	46055	MULTIPLE LOCATIONS	9/9/2021 11:00:33 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Checks complete.
	46071	RIVERSIDE BTWN LEE-CRESTLINE	9/9/2021 2:30:30 PM	CSO Tank Maintenance	Needed to flush tanks after finding them retaining water.
	46377	RIVERSIDE BTWN LEE-CRESTLINE	9/30/2021 3:15:40 PM	CSO Tank Maintenance	Flushing tanks 6-8 post Intermediate Event inspection.
	46408	RIVERSIDE BTWN LEE-CRESTLINE	10/1/2021 3:15:56 PM	CSO Tank Maintenance	Tank ended up holding water in flush tanks after wet weather event, no alert came through for this tank. Flushed tanks 1-6, need to finish flushing tanks 7 and 8.
	46469	MULTIPLE LOCATIONS	10/4/2021 3:15:27 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-1 CRESTLINE	46863	MULTIPLE LOCATIONS	10/27/2021 3:00:29 PM	CSO Tank Maintenance	Reinstall fire extinguishers in CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47385	MULTIPLE LOCATIONS	12/2/2021 3:30:20 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 26, I-04, 6, I-03, 12, 24-3, 33-1, 34-2, 34-3, 34-1, I-07

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-2	42101	MULTIPLE LOCATIONS	1/4/2021 3:05:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks also run gen. at cso 26. 24-1 26 16 12 io-3 6 24-3 io-4 34-2
	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	43111	MULTIPLE LOCATIONS	3/3/2021 10:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. cso 33-1, 34-2, 38-2, 38-1, 34-1, 33-2.
	43426	MULTIPLE LOCATIONS	3/23/2021 7:30:18 PM	Check Weir	From Request 2188: Code: CSO_WARN Description: CSO Early Warning Alarm Details: EARLY WARNING, DRY WEATHER Comments: CSO EARLY WARNING @ CSO34 CHECKED CSO 34-1 & 34-2 BOTH FLOWING WITH NO SIGHS OF BACKUP
	43456	CSO TANK UNDERHILL PARK	3/25/2021 10:00:33 AM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING(1OF2) ON WILKENS 2" 975XL. #3876361 UNABLE TO TEST DUE TO LEAKY SHUT OFF VALVE. PREPPING BACKFLOW PREVENTER - REMOVING INSULATION & HEAT TAPE PRIOR TO REPAIRS.
	43457	CSO TANK UNDERHILL PARK	3/25/2021 10:30:00 AM	CSO Tank Maintenance	BACKFLOW ASSEMBLY TESTING (2 OF 2), WILKENS 2" 975XL #3902502

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-2	43698	MULTIPLE LOCATIONS	4/6/2021 3:30:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks on CSO's: 34-2, 38-2, 38-1, 34-1, 33-2.
	44336	CSO TANK UNDERHILL PARK	5/13/2021 2:30:36 PM	CSO Tank Maintenance	Fire Extinguisher and odor control checks.
	44340	MULTIPLE LOCATIONS	5/14/2021 3:30:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 24-1, 34-2, 33-1, 34-3, 38-2, 38-1, I-04.
	44617	MULTIPLE LOCATIONS	6/2/2021 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45601	MULTIPLE LOCATIONS	8/9/2021 2:30:17 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks 33-1 24-1 34-2 34-3 34-1 33-2 I-07
	46033	MULTIPLE LOCATIONS	9/8/2021 3:00:55 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Checks complete.
	46469	MULTIPLE LOCATIONS	10/4/2021 3:15:27 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46863	MULTIPLE LOCATIONS	10/27/2021 3:00:29 PM	CSO Tank Maintenance	Reinstall fire extinguishers in CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47385	MULTIPLE LOCATIONS	12/2/2021 3:30:20 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 26, I-04, 6, I-03, 12, 24-3, 33-1, 34-2, 34-3, 34-1, I-07
	47518	MULTIPLE LOCATIONS	12/9/2021 1:45:55 PM	CSO Tank Maintenance	Checking heat tape on back flow preventer valves.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-3	42288	MULTIPLE LOCATIONS	1/11/2021 10:45:47 AM	CSO Tank Maintenance	fire extinguisher and odor control checks 34-3, 34-1
	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	43064	MULTIPLE LOCATIONS	3/2/2021 2:57:47 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. 24-1, 26 and generator run, I-04, 6, 12, I-03, 16, 24-3, 34-3
	43465	E/O RAY NEAR CONGRESS	3/25/2021 1:48:56 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING - 2100 S. RAY 2" WILKENS RP375 #A396456
	43627	MULTIPLE LOCATIONS	4/2/2021 2:00:15 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks I-04, 24-3, 34-3, 33-1.
	44340	MULTIPLE LOCATIONS	5/14/2021 3:30:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 24-1, 34-2, 33-1, 34-3, 38-2, 38-1, I-04.
	44370	E/O RAY NEAR CONGRESS	5/17/2021 3:00:19 PM	CSO Tank Maintenance	Hatch adjustments CSO 34-3.
	44544	MULTIPLE LOCATIONS	6/2/2021 3:15:00 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45601	MULTIPLE LOCATIONS	8/9/2021 2:30:17 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks 33-1 24-1 34-2 34-3 34-1 33-2 I-07
	46033	MULTIPLE LOCATIONS	9/8/2021 3:00:55 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Checks complete.
	46523	MULTIPLE LOCATIONS	10/6/2021 11:00:15 AM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 34-3	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46863	MULTIPLE LOCATIONS	10/27/2021 3:00:29 PM	CSO Tank Maintenance	Reinstall fire extinguishers in CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47385	MULTIPLE LOCATIONS	12/2/2021 3:30:20 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 26, I-04, 6, I-03, 12, 24-3, 33-1, 34-2, 34-3, 34-1, I-07
	47518	MULTIPLE LOCATIONS	12/9/2021 1:45:55 PM	CSO Tank Maintenance	Checking heat tape on back flow preventer valves.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-1	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	43111	MULTIPLE LOCATIONS	3/3/2021 10:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. cso 33-1, 34-2, 38-2, 38-1, 34-1, 33-2.
	43486	CSO TANK W OF MAGNOLIA	3/26/2021 3:07:58 PM	CSO Tank Maintenance	BACKFLOW ASSEMBLY TESTING @ 1700 E. SOUTH RIVERTON 38-1 WILKEN 2" RP 975XLT # 3656462
	43698	MULTIPLE LOCATIONS	4/6/2021 3:30:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks on CSO's: 34-2, 38-2, 38-1, 34-1, 33-2.
	44340	MULTIPLE LOCATIONS	5/14/2021 3:30:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 24-1, 34-2, 33-1, 34-3, 38-2, 38-1, I-04.
	44617	MULTIPLE LOCATIONS	6/2/2021 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45575	MULTIPLE LOCATIONS	8/5/2021 2:00:26 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	46055	MULTIPLE LOCATIONS	9/9/2021 11:00:33 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Checks complete.
	46492	MULTIPLE LOCATIONS	10/5/2021 3:15:24 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	46681	CSO TANK W OF MAGNOLIA	10/15/2021 9:00:33 AM	CSO Tank Maintenance	Entry to verify proper installation of new check valve. Installation okay.
	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46863	MULTIPLE LOCATIONS	10/27/2021 3:00:29 PM	CSO Tank Maintenance	Reinstall fire extinguishers in CSO tanks.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-1	47062	CSO TANK W OF MAGNOLIA	11/5/2021 11:55:44 PM	CSO Tank Maintenance	Inspection of backflow valve proper operation. Test was a failure. Check valve leaked with 4' of head in the manhole. Field engineer Mike Perry will pass on the information.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47416	MULTIPLE LOCATIONS	12/3/2021 11:00:54 AM	CSO Tank Maintenance	Monthly cso fire extinguisher checks. 33-2, 38-1, 38-2, 24-1, 16.
	47518	MULTIPLE LOCATIONS	12/9/2021 1:45:55 PM	CSO Tank Maintenance	Checking heat tape on back flow preventer valves.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-2	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	43111	MULTIPLE LOCATIONS	3/3/2021 10:00:13 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. cso 33-1, 34-2, 38-2, 38-1, 34-1, 33-2.
	43485	CSO TANK E OF ALTAMONT	3/26/2021 1:30:43 PM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING @ 38-2 2400 E. SOUTH RIVERTON - 2" WILKENS RP 375XL B055660
	43698	MULTIPLE LOCATIONS	4/6/2021 3:30:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks on CSO's: 34-2, 38-2, 38-1, 34-1, 33-2.
	44340	MULTIPLE LOCATIONS	5/14/2021 3:30:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 24-1, 34-2, 33-1, 34-3, 38-2, 38-1, I-04.
	44617	MULTIPLE LOCATIONS	6/2/2021 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45575	MULTIPLE LOCATIONS	8/5/2021 2:00:26 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	46055	MULTIPLE LOCATIONS	9/9/2021 11:00:33 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Checks complete.
	46469	MULTIPLE LOCATIONS	10/4/2021 3:15:27 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46863	MULTIPLE LOCATIONS	10/27/2021 3:00:29 PM	CSO Tank Maintenance	Reinstall fire extinguishers in CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 38-2	47416	MULTIPLE LOCATIONS	12/3/2021 11:00:54 AM	CSO Tank Maintenance	Monthly cso fire extinguisher checks. 33-2, 38-1, 38-2, 24-1, 16.
	47518	MULTIPLE LOCATIONS	12/9/2021 1:45:55 PM	CSO Tank Maintenance	Checking heat tape on back flow preventer valves.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 41	43375	UPRIVER & REBECCA	3/22/2021 8:30:16 AM	CSO Tank Maintenance	At CSO #41 on the north side of Upriver. Cleaned CTI channel U/S of the Hydro-Self. Sanitary Main okay.
	43768	UPRIVER & REBECCA	4/9/2021 12:00:38 PM	Check Weir	Call to check early warning at cso. There was a high influx of flow at 10:00 it may have partly blocked the hydro slide but nothing found. Flow is normal.
	44377	UPRIVER & REBECCA	5/18/2021 9:00:51 AM	CSO Tank Maintenance	Flushed paper out of CTI channel U/S of the Hydro-Self.
	47702	UPRIVER & REBECCA	12/22/2021 2:30:13 PM	CSO Tank Maintenance	Paint bypass valve control and handle orange. Show and tell of operation.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 42	47292	SURRO DR @ S. RIVERTON	11/24/2021 3:00:26 PM	CSO Tank Maintenance	Monitoring crew needs assistance removing blockage at the hydro slide. Used poles and hook to remove obstruction, flow back to normal.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 6	42101	MULTIPLE LOCATIONS	1/4/2021 3:05:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks also run gen. at cso 26. 24-1 26 16 12 io-3 6 24-3 io-4 34-2
	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	43064	MULTIPLE LOCATIONS	3/2/2021 2:57:47 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. 24-1, 26 and generator run, I-04, 6, 12, I-03, 16, 24-3, 34-3
	43504	UNDERGROUND TANK NW & KIERNAN	3/29/2021 2:30:00 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 3792 W. NORTHWEST BLVD 1 OF 2, WILKENS 2" RP #A435982
	43505	UNDERGROUND TANK NW & KIERNAN	3/29/2021 3:30:08 PM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ 3792 W. NORTHWEST BLVD 2 OF 2, 2" WILKEN 375XL RP #B096460
	43597	MULTIPLE LOCATIONS	4/1/2021 3:04:22 PM	CSO Tank Maintenance	Monthly cso fire extinguisher and odor control checks also generator at cso 26 installed warning sign for hearing with gen. running. check cso 26, cso 24-1, cso 6, I-03, cso 12, cso 16,
	44157	MULTIPLE LOCATIONS	5/4/2021 3:15:14 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO #26 also ran generator. CSO #16. CSO #6.
	44241	UNDERGROUND TANK NW & KIERNAN	5/7/2021 10:00:29 AM	CSO Tank Maintenance	Entry to get measurements from current hydro slide.
	44441	UNDERGROUND TANK NW & KIERNAN	5/20/2021 4:30:45 PM	CSO Tank Maintenance	Checked Hydro-Self after cleaning sanitary interceptors U/S of CSO Tank #6. Hydro-Self okay.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 6	44544	MULTIPLE LOCATIONS	6/2/2021 3:15:00 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45575	MULTIPLE LOCATIONS	8/5/2021 2:00:26 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45821	UNDERGROUND TANK NW & KIERNAN	8/25/2021 9:30:51 AM	CSO Tank Maintenance	Entry for FCC measurements to engineering for future flow control test.
	45992	MULTIPLE LOCATIONS	9/3/2021 3:15:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 6, 12, 26, 16, I-03, and I-04.
	46166	UNDERGROUND TANK NW & KIERNAN	9/16/2021 9:30:47 AM	CSO Tank Maintenance	Adjusted hydro slide from original setting of 11 turns to 18.5 turns open.
	46469	MULTIPLE LOCATIONS	10/4/2021 3:15:27 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46885	MULTIPLE LOCATIONS	10/28/2021 10:30:09 AM	CSO Tank Maintenance	Reinstall fire extinguishers at CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47385	MULTIPLE LOCATIONS	12/2/2021 3:30:20 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 26, I-04, 6, I-03, 12, 24-3, 33-1, 34-2, 34-3, 34-1, I-07
	47518	MULTIPLE LOCATIONS	12/9/2021 1:45:55 PM	CSO Tank Maintenance	Checking heat tape on back flow preventer valves.
	47759	MULTIPLE LOCATIONS	12/29/2021 3:00:27 PM	CSO Tank Maintenance	Replacing CSO/IRT O&Ms, and SOPs with updated versions.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
CSO 7	44239		5/7/2021 9:00:06 AM	CSO Tank Maintenance	Entered tank to measure current hydro slide.
	45604		8/9/2021 8:30:00 AM	CSO Tank Maintenance	

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-04 BOSCH LOT	42101	MULTIPLE LOCATIONS	1/4/2021 3:05:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks also run gen. at cso 26. 24-1 26 16 12 io-3 6 24-3 io-4 34-2
	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	43064	MULTIPLE LOCATIONS	3/2/2021 2:57:47 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. 24-1, 26 and generator run, I-04, 6, 12, I-03, 16, 24-3, 34-3
	43539	N/O SUMMIT, E/O MONROE	3/31/2021 9:00:41 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING @ I-04, 4" WILKENS RP 375A #37912
		N/O SUMMIT, E/O MONROE	3/31/2021 9:00:41 AM	CSO Tank Maintenance	BACKFLOW PREVENTER ASSEMBLY TESTING DOCUMENTATION AND OTHER MISC DUTIES.
	43627	MULTIPLE LOCATIONS	4/2/2021 2:00:15 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks I-04, 24-3, 34-3, 33-1.
	44340	MULTIPLE LOCATIONS	5/14/2021 3:30:10 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 24-1, 34-2, 33-1, 34-3, 38-2, 38-1, I-04.
	44617	MULTIPLE LOCATIONS	6/2/2021 3:15:37 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45575	MULTIPLE LOCATIONS	8/5/2021 2:00:26 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45992	MULTIPLE LOCATIONS	9/3/2021 3:15:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 6, 12, 26, 16, I-03, and I-04.
	46492	MULTIPLE LOCATIONS	10/5/2021 3:15:24 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-04 BOSCH LOT	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46885	MULTIPLE LOCATIONS	10/28/2021 10:30:09 AM	CSO Tank Maintenance	Reinstall fire extinguishers at CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47385	MULTIPLE LOCATIONS	12/2/2021 3:30:20 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 26, I-04, 6, I-03, 12, 24-3, 33-1, 34-2, 34-3, 34-1, I-07
	47759	MULTIPLE LOCATIONS	12/29/2021 3:00:27 PM	CSO Tank Maintenance	Replacing CSO/IRT O&Ms, and SOPs with updated versions.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-07	43723	NW CORNER RIVERSIDE/NA PA	4/7/2021 1:00:57 PM	CSO Tank Maintenance	BACKFLOW TESTING @ IO - 7C 101 N. NAPA 4" WILKENS RP 375A #41212 FAILED 1ST TEST - ADJUST DRV SPRING TENSION - PASSED
	44357	NW CORNER RIVERSIDE/NA PA	5/17/2021 11:00:35 AM	CSO Tank Maintenance	Add fire extinguisher and safety board to I-07.
	44636	NW CORNER RIVERSIDE/NA PA	6/3/2021 9:00:22 AM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45601	MULTIPLE LOCATIONS	8/9/2021 2:30:17 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks 33-1 24-1 34-2 34-3 34-1 33-2 I-07
	45833	NW CORNER RIVERSIDE/NA PA	8/26/2021 2:45:31 PM	CSO Tank Maintenance	Paint cage over RP enclosure at I-07.
	46055	MULTIPLE LOCATIONS	9/9/2021 11:00:33 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. Checks complete.
	46075	NW CORNER RIVERSIDE/NA PA	9/9/2021 1:30:50 PM	CSO Tank Maintenance	Tanks were found full and required flushing.
	46469	MULTIPLE LOCATIONS	10/4/2021 3:15:27 PM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.
	46598	NW CORNER RIVERSIDE/NA PA	10/11/2021 11:30:55 AM	CSO Tank Maintenance	Garbage clean up on site at I-07.
	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46863	MULTIPLE LOCATIONS	10/27/2021 3:00:29 PM	CSO Tank Maintenance	Reinstall fire extinguishers in CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
I-07	47385	MULTIPLE LOCATIONS	12/2/2021 3:30:20 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 26, I-04, 6, I-03, 12, 24-3, 33-1, 34-2, 34-3, 34-1, I-07

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
NEC SWALE HOGAN/SPRINGFIELD	47683	NEC SWALE HOGAN/SPRINGFIELD	12/21/2021 12:45:11 PM	CSO Tank Maintenance	CHECKED BACKFLOW PREVENTER @ CSO 16. NO LEAKS FOUND. NO REPAIR MADE.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
NEW CSO 15 VAULT - TO WEST OF ASSUMED INT - OHIO/NETTLET ON	42320	MULTIPLE LOCATIONS	1/13/2021 2:30:37 PM	CSO Tank Maintenance	Check hydro slides at cso for debris all ok.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
TJ MEENACH I-03 TANK	42101	MULTIPLE LOCATIONS	1/4/2021 3:05:03 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control unit checks also run gen. at cso 26. 24-1 26 16 12 io-3 6 24-3 io-4 34-2
	42618	MULTIPLE LOCATIONS	2/2/2021 3:13:44 PM	CSO Tank Maintenance	Monthly cso fire extinguisher & odor control checks. 24-1, io-4, 12, io-3, 6, 24-3, 33-1, 34-2, 34-3, 38-2, 38-1, 34-1, 33-2.
	43064	MULTIPLE LOCATIONS	3/2/2021 2:57:47 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. 24-1, 26 and generator run, I-04, 6, 12, I-03, 16, 24-3, 34-3
	43552	TJ MEENACH / DOWNRIVER PARK	3/31/2021 1:00:29 PM	CSO Tank Maintenance	BACKFLOW PREVENTER TESTING @ 2828 N. TJ MEENACH DR. CSO I - O3, 4" WILKENS RP 375AST #13734C
	43597	MULTIPLE LOCATIONS	4/1/2021 3:04:22 PM	CSO Tank Maintenance	Monthly cso fire extinguisher and odor control checks also generator at cso 26 installed warning sign for hearing with gen. running. check cso 26, cso 24-1, cso 6, I-03, cso 12, cso 16,
	44197	MULTIPLE LOCATIONS	5/5/2021 11:00:16 AM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO #12, I-03, and CSO #24-3.
	44544	MULTIPLE LOCATIONS	6/2/2021 3:15:00 PM	CSO Tank Maintenance	Fire extinguisher and odor control checks.
	45118	MULTIPLE LOCATIONS	7/7/2021 1:30:00 PM	CSO Tank Maintenance	Odor control and fire extinguisher checks complete.
	45575	MULTIPLE LOCATIONS	8/5/2021 2:00:26 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	45992	MULTIPLE LOCATIONS	9/3/2021 3:15:00 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks. CSO 6, 12, 26, 16, I-03, and I-04.
	46523	MULTIPLE LOCATIONS	10/6/2021 11:00:15 AM	CSO Tank Maintenance	Monthly odor control and fire extinguisher checks.

Weir Check and Tank Maint Noncyclic Report for 2021

CSO Basin	Work Order #	Location	Inspection Date	Inspection Type	Comments
TJ MEENACH I-03 TANK	46797	MULTIPLE LOCATIONS	10/22/2021 2:30:10 PM	CSO Tank Maintenance	
	46885	MULTIPLE LOCATIONS	10/28/2021 10:30:09 AM	CSO Tank Maintenance	Reinstall fire extinguishers at CSO tanks.
	47126	MULTIPLE LOCATIONS	11/10/2021 12:30:24 PM	CSO Tank Maintenance	Monthly fire extinguisher and odor control checks.
	47287	TJ MEENACH / DOWNRIVER PARK	11/24/2021 10:00:08 AM	CSO Tank Maintenance	Installed cage over power disconnect on I-03 tank. A city and Avista lock are both installed.
	47385	MULTIPLE LOCATIONS	12/2/2021 3:30:20 PM	CSO Tank Maintenance	Monthly fire extinguisher checks. 26, I-04, 6, I-03, 12, 24-3, 33-1, 34-2, 34-3, 34-1, I-07
	47759	MULTIPLE LOCATIONS	12/29/2021 3:00:27 PM	CSO Tank Maintenance	Replacing CSO/IRT O&Ms, and SOPs with updated versions.