



**Louisville MSD
Second Amended Consent Decree
Mid-Year Status Report FY24**



**Louisville & Jefferson County Metropolitan Sewer District
Second Amended Consent Decree Mid-Year Status Report**

Reporting Period:

July 1, 2023 through December 31, 2023

Submitted To:

Kentucky Department of Environmental Protection
United States Environmental Protection Agency
United States Department of Justice

Submitted By:

Louisville and Jefferson County Metropolitan Sewer District
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Submittal Date:

February 28, 2023





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February 28, 2023

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Subject: Mid-Year Status Report
July 1, 2023 through December 31, 2023
Civil Action No. 3:05-cv-236-S
DOJ Case No. 90-5-1-1-08254

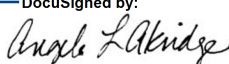
Attention Director and Chiefs:

Please find attached our Mid-Year Status Report, prepared in accordance with Paragraph 41 of our Second Amended Consent Decree. This report is for the period July 1, 2023, through December 31, 2023.

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 such 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.

If you have questions or need additional information, please contact me at (502) 540-6136.

Sincerely,

DocuSigned by:

88ECDC692890410...

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INTRODUCTION

The Louisville and Jefferson County Metropolitan Sewer District (MSD) has entered into a Second Amended Consent Decree (2ACD) with the Kentucky Division for Environmental Protection (KDEP) and the United States Environmental Protection Agency (EPA). The Second Amended Consent Decree was signed by United States District Judge and entered in United States District Court, Western Division of Kentucky, Louisville Division on September 15, 2022.

This Second Amended Consent Decree Mid-Year Status Report is submitted in accordance with Paragraph 41 of the 2ACD. After discussion with the EPA and KDEP on November 15, 2023, the content included in the Mid-Year Status Report (MYSR) was evaluated in order to better align with the requirements outlined in the 2ACD.

This MYSR, and all future MYSRs, will include the following:

- Text updates for
 - Authorized and Unauthorized Discharges
 - Progress toward projects included in Discharge Abatement plans
 - Proposed changes to the SORP
- Gantt charts showing progress during the previous six-month period and anticipated progress during the next six-month period for projects conducted to comply with the requirements of the 2ACD
- Appendices including
 - Reports of all authorized and unauthorized discharges
 - Bypasses at Water Quality Treatment Centers
 - Projects identified in the IOAP and their associated assets
 - Morris Forman plant flows and associated CSO activations.

Full updates for the programs included in this report will be reported in the Annual Report. For consistency, the same report structure and outline will be used for the MYSR and the Annual Report.

This report covers the time period from July 1, 2023, through December 31, 2023. The performance metrics used for 2ACD reporting represent service areas subject to the 2ACD, which include Jefferson County and Crestwood, Kentucky. MSD's full regional service area has grown beyond these service areas. The structure for this report is outlined as follows:

Section 1: Project Waterway Improvements Now (WIN) Program Performance Overview – Project WIN is MSD's program to respond to the Federal Consent Decree. Project WIN includes a series of sewer overflow reduction projects defined in the Integrated Overflow Abatement Plan (IOAP). Project WIN also includes reducing overflows through enhanced operating procedures developed under the Nine Minimum Control (NMC) and Capacity, Management, Operations and Maintenance (CMOM) programs. This section provides an accounting of the current reporting period and the cumulative reductions in volume and in number of occurrences of Unauthorized Discharges from the Sanitary Sewer System (SSS), Combined Sewer System (CSS), and Water Quality Treatment Centers (WQTCs), and discharges from MSD's Combined Sewer Overflow (CSO) locations identified in MSD's Morris Forman Water Quality Treatment Center (WQTC) Kentucky Pollutant Discharge Elimination System (KPDES) permit. This section also provides an accounting of bypasses at MSD's WQTCs that occurred during the current reporting period.

Section 2: Program Activities for Discharge Abatement Plans – This section provides documentation of projects and activities conducted during the current reporting period to implement requirements of the 2ACD, including the Final Long Term Control Plan (LTCP), Final Sanitary Sewer Discharge Plan (SSDP), and Additional Early Action Projects (AEAPs).

Section 3: Program Activities for Nine Minimum Controls – This section provides documentation of projects and activities conducted during the current reporting period to continue implementation of this program for compliance with the 2ACD.

Section 4: Program Activities for Capacity Management, Operations and Maintenance (CMOM) – This section provides documentation of projects and activities conducted during the current reporting period to continue implementation of this program for compliance with the 2ACD.

Section 5: Program Activities for Sewer Overflow Response Protocol – This section provides documentation of projects and activities conducted during the current reporting period to continue implementation of this program for compliance with the 2ACD.

Section 6: Program Activities for Public Outreach, Education, Notification and Participation – This section provides documentation of projects and activities conducted during the current reporting period to support MSD's Nine Minimum Controls and Capacity Management, Operations and Maintenance Programs.

Section 7: Program Activities for Asset Management – This section describes the scope, schedule and status for activities that were active during the current reporting period for continued compliance with the 2ACD.



SECTION 1: PROJECT WATERWAY IMPROVEMENTS NOW (WIN) PROGRAM PERFORMANCE OVERVIEW

1.1. RAINFALL

The number and the volume of wet weather overflows is directly related to the amount of rain that has fallen during the reporting period. No new rain gauges have been installed by MSD during the reporting period, and the total network currently has 46 rain gauges, as shown in Figure 1.1. Nine gauges are located within Indiana, eight within adjacent Kentucky counties and the remaining twenty-nine are within Jefferson County. MSD plans to continue to expand the rain gauge network as appropriate sites are identified. Figure 1.2 shows the Jefferson County average daily rainfall amounts by month for the reporting period, based on the monthly average of all MSD rain gauges, compared with the average since FY19.

1.2. AUTHORIZED DISCHARGES — WET WEATHER CSOs

At the end of the reporting period, MSD maintained 98 CSOs in operation. Discharges at permitted CSO locations that are observed during rain events by telemetry only are recorded with MSD’s flow monitoring data.

1.2.1. CURRENT REPORTING PERIOD

Table 1.1 includes a summary of wet weather CSO discharges that occurred during the current reporting period. Refer to Appendix A for a detailed listing of discharges that occurred during the current reporting period.

Table 1.1. Wet Weather CSO Discharge Summary - Current Reporting Period

DUE TO	OCCURRENCES	VOLUME (MG)
LACK OF SYSTEM CAPACITY	445	902

1.2.2. CUMULATIVE DISCHARGE REDUCTIONS

MSD is required to achieve 85 percent or greater capture throughout the combined sewer system (CSS). When fully implemented and operational, MSD’s suite of wet weather CSO control projects are modeled to achieve up to 95 percent capture of the wet weather combined sewage generated in the service area during the Typical Year, which greatly exceeds the EPA’s Presumption Approach requirement of 85 percent. Compliance with the 85 percent capture was achieved with completion of the Waterway Protection Tunnel in 2022. MSD expects to achieve up to 95 percent modeled performance by December 31, 2026, upon completion of the Morris Forman WQTC Sedimentation Basin Rehabilitation Project per the State Agreed Order Number 150220 Corrective Action Plan. The final phase of the Middle Fork Relief Interceptor, Wet Weather Storage, & Diversion Project, scheduled for completion in 2030, is also expected to provide additional combined system overflow benefits.

Table 1.3 shows the modeled baseline and reduction in number and volume of CSOs. Figure 1.3 shows the modeled reduction in occurrence and Figure 1.4 shows the modeled reduction in volume of CSOs for the Typical Year. Values are based on model simulations of the 2001 Typical Year with the "baseline" projects implemented (Sanitary Sewer Discharge Plan and other existing Combined Sewer System facility improvements) and the most recently compiled Long Term Control Plan project model. Changes over time are approximated. Modeling results assume the Morris Forman WQTC is operating at full capacity. This data is provided for information only. The modeling results do not reflect a specific commitment to a set number of activations, cumulative volume or total minutes of overflow at each CSO, nor do they represent a cumulative commitment to residual Annual Average Overflow Volume (AAOV). There are no target commitments for number of activations at each individual CSO. The target commitment for the system is based on an 85% capture, resulting in a total residual AAOV of 2,955 MG per Typical Year. The AAOV, derived from the InfoWorks CSO hydraulic model, includes the modeled AAOV for the permitted CSOs as currently constructed, and is included as Appendix B.

Figure 1.1. MSD Rain Gauge Network

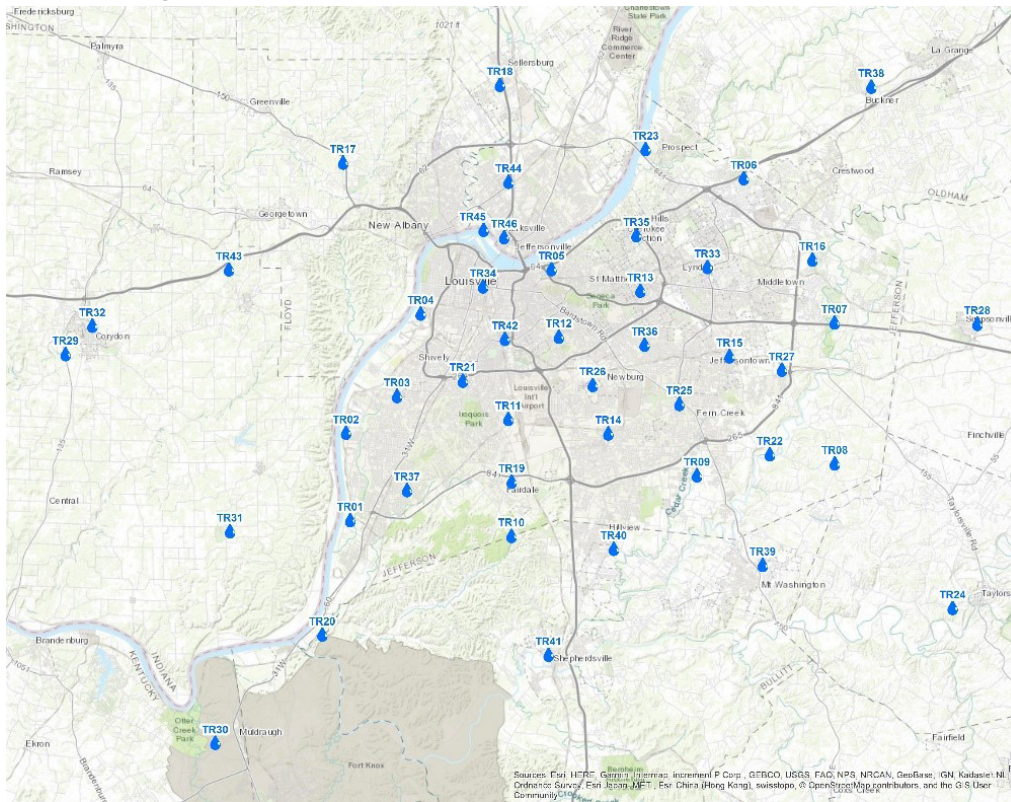
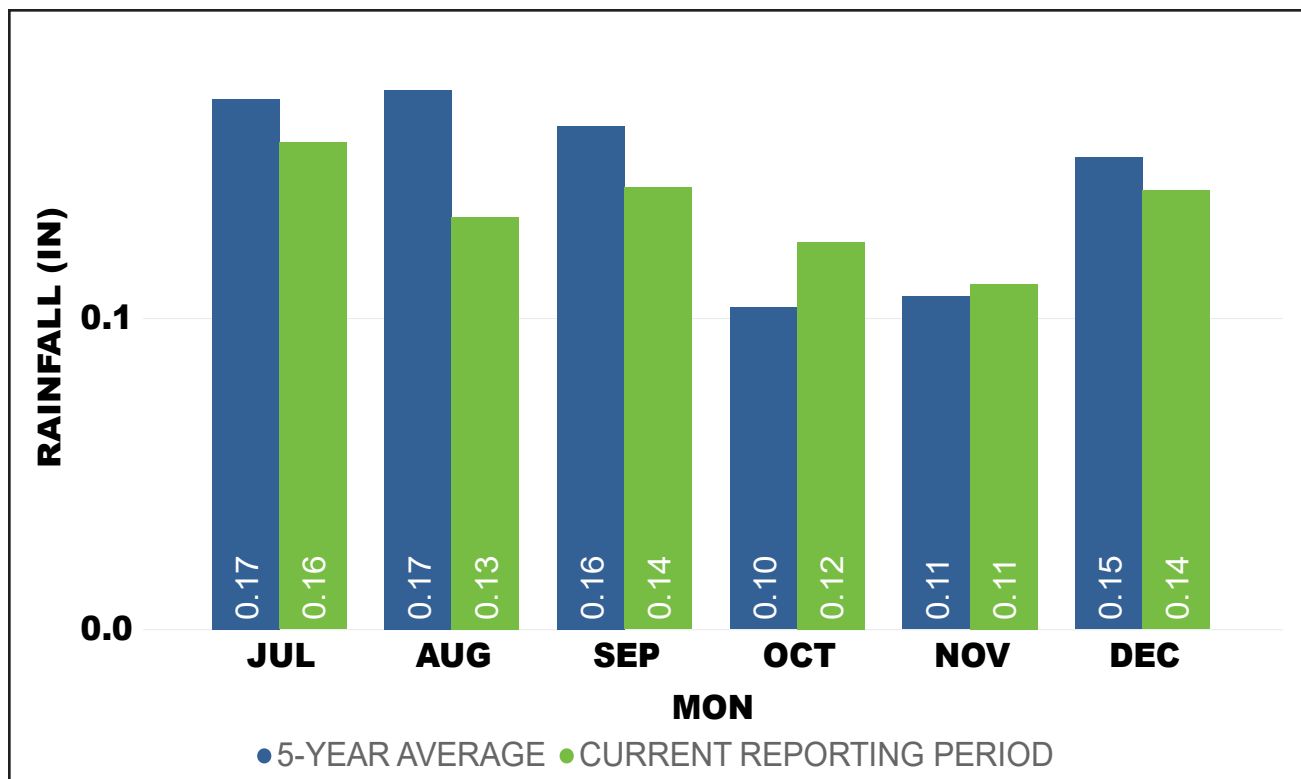


Figure 1.2. Daily Average Rainfall by Month





1.3. UNAUTHORIZED DISCHARGES — WET WEATHER SSOs

1.3.1. CURRENT REPORTING PERIOD

Table 1.2 includes a summary of wet weather SSO discharges by cause during the current reporting period. Refer to Appendix C for a detailed listing of discharges that occurred during the current reporting period.

Table 1.2. Wet Weather SSO Discharge Summary

DUE TO	OCCURRENCES	VOLUME (GAL)
ELECTRICAL PROBLEMS AT MSD	1	30,300,000
LACK OF SYSTEM CAPACITY	5	486

1.3.2. CUMULATIVE DISCHARGE REDUCTIONS

In 2007, MSD had an estimated 218 modeled SSO occurrences for the 10-year storm event. MSD is required to eliminate all 197 modeled SSOs for the 2-year storm event and mitigate the remaining SSOs. Modeled SSO occurrences are required to be reduced to a level of control (LOC) for the 5-year and 10-year storm events. The modeled reduction is based on projections using current proposed solutions (as of December 31, 2023). Actual projections are subject to change as future projects are designed in detail and constructed. Table 1.4 shows the modeled baseline and reduction in number and volume of SSOs. Figure 1.5 shows the modeled reduction in occurrence and Figure 1.6 shows the modeled reduction in volume of SSOs for the 2-, 5-, and 10-year storm events.

1.4. UNAUTHORIZED DISCHARGES — DRY WEATHER CSOs

Table 1.5 summarizes dry weather CSO discharges by cause during the reporting period. Refer to Appendix D for a detailed listing of discharges that occurred during the reporting period.

1.5. UNAUTHORIZED DISCHARGES — DRY WEATHER SSOs

Table 1.6 includes a summary of dry weather SSO discharges by cause during the current reporting period. Refer to Appendix E for a detailed listing of discharges that occurred during the current reporting period.

1.6. BYPASSES AT WATER QUALITY TREATMENT CENTERS

Project WIN Quarterly Report 18 included a memorandum, provided as Appendix K in that report, which described the analysis of 44 bypass events that occurred between July 1, 2008, and December 31, 2009. This analysis delineated bypasses into four categories, which were Capacity, External Power Failures, Equipment Failure (Mechanical, Electrical, or Structural), and Human Error. An assessment of bypasses is performed to determine the root cause of each bypass, the failure category, corrective actions to be taken, possible programmatic solutions, and a corrective action completion date.

Table 1.7 includes a summary of bypasses by cause during the current reporting period. Refer to Appendix F for a detailed listing of bypasses that occurred during the current reporting period.

Table 1.3. Wet Weather CSO Cumulative Reduction Modeled Projection - Summary

YEAR	TYPICAL YEAR OCCURRENCES	TYPICAL YEAR VOLUME (MG)
2007	2,683	3,510
2023	193	340
2034	193	340

Figure 1.3. Wet Weather CSO Cumulative Reduction Modeled Projection - Occurrences

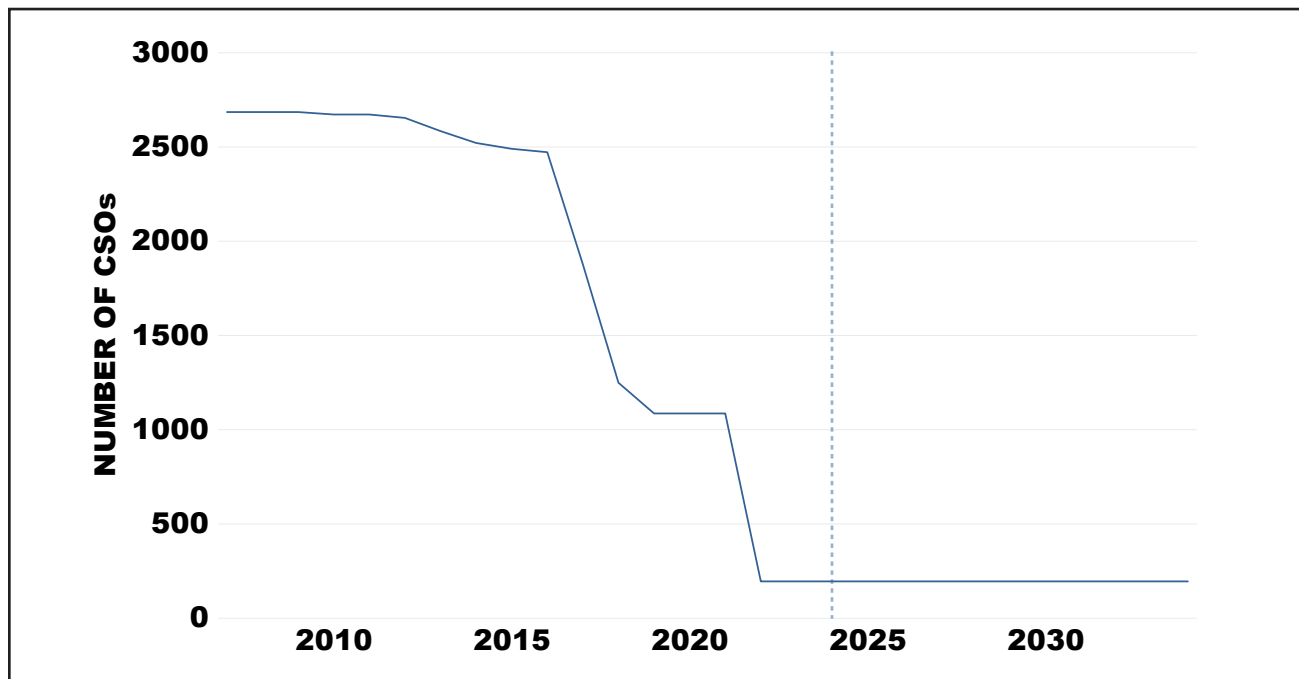


Figure 1.4. Wet Weather CSO Cumulative Reduction Modeled Projection - Volume

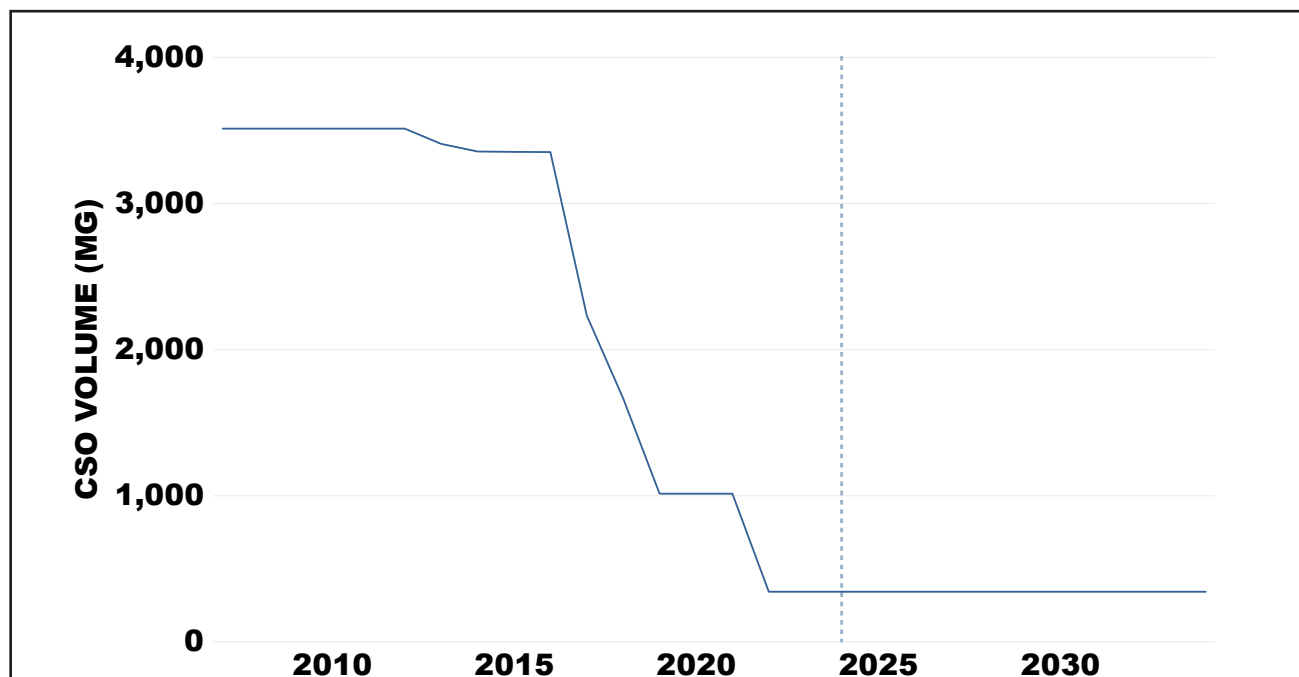


Table 1.4. Wet Weather SSO Cumulative Reduction Modeled Projection - Summary

YEAR	2-YEAR MODELED OCCURRENCES	2-YEAR MODELED VOLUME (MG)	5-YEAR MODELED OCCURRENCES	5-YEAR MODELED VOLUME (MG)	10-YEAR MODELED OCCURRENCES	10-YEAR MODELED VOLUME (MG)
2007	197	21	211	48	218	75
2023	60	4	167	13	193	34
2034	0	0	137	5	178	21

Figure 1.5. Wet Weather SSO Cumulative Reduction Modeled Projection - Occurrences

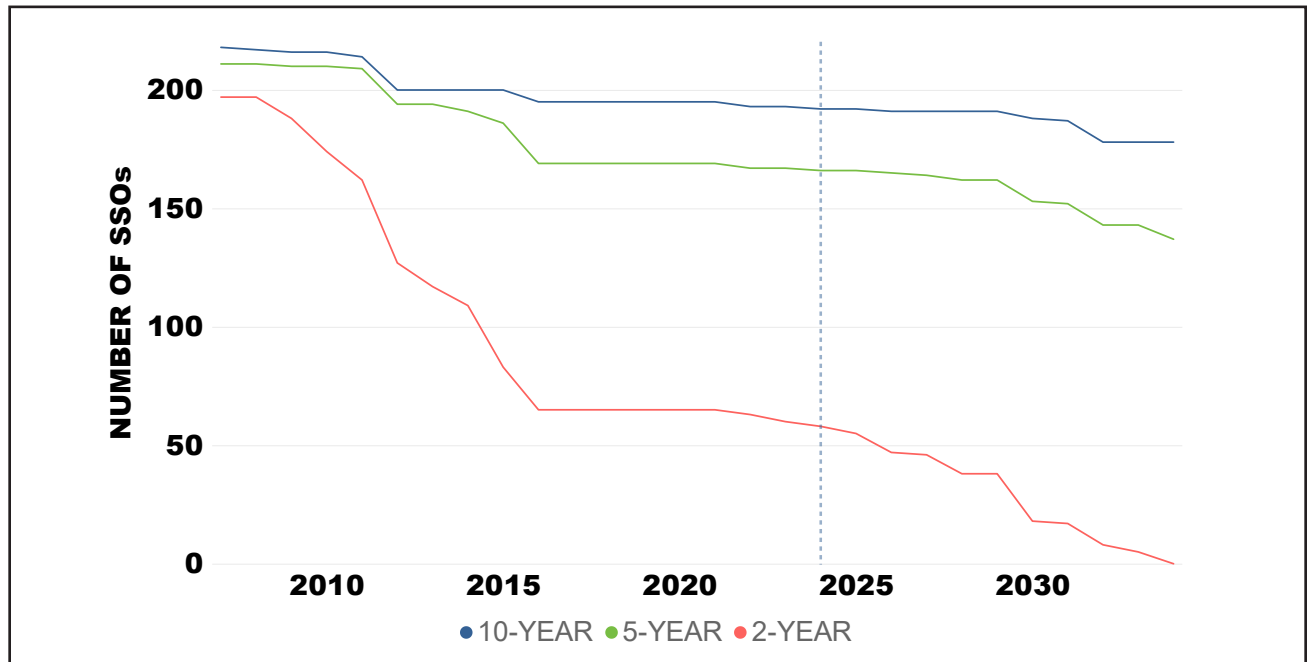


Figure 1.6. Wet Weather SSO Cumulative Reduction Modeled Projection - Volume

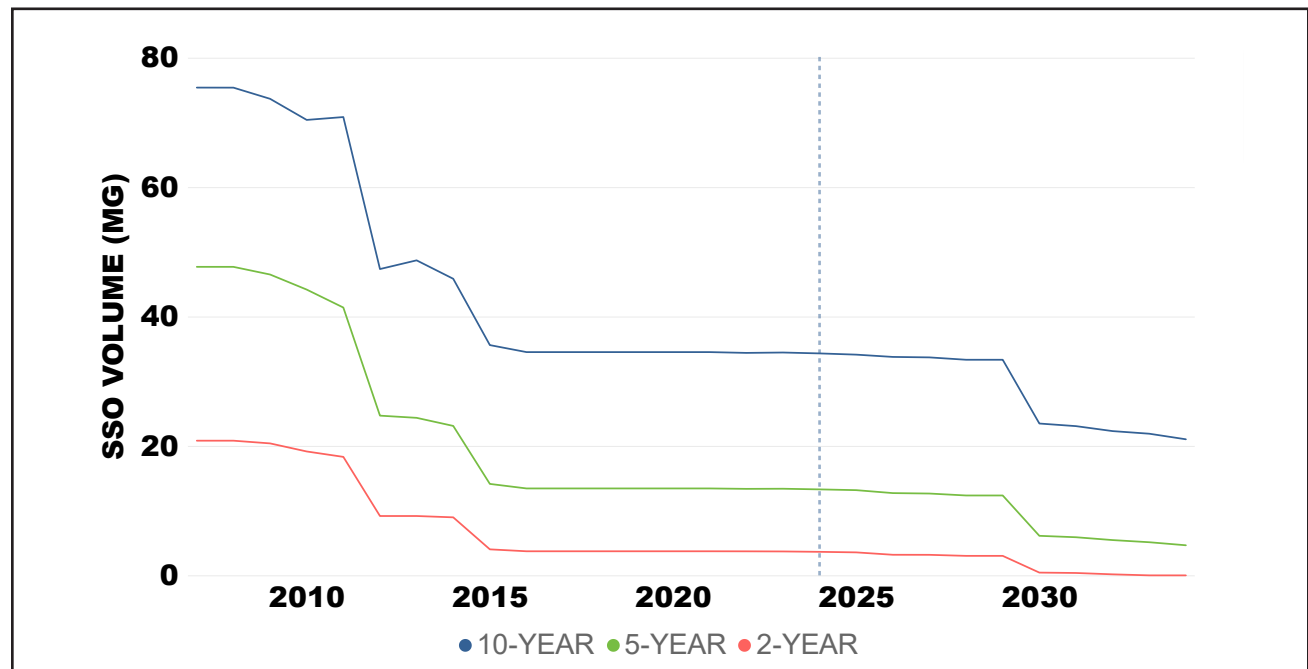




Table 1.5. Dry Weather CSO Discharge Summary

DUE TO	OCCURRENCES	VOLUME (GAL)
MECHANICAL FAILURE	1	10,000
OBSTRUCTION-NOT GREASE / ROOTS	1	1,200

Table 1.6. Dry Weather SSO Discharge Summary

DUE TO	OCCURRENCES	VOLUME (GAL)
ELECTRICAL PROBLEMS AT MSD	1	500
OBSTRUCTION-NOT GREASE / ROOTS	1	550
STRUCTURAL FAILURE	2	1
UTILITY DAMAGED MSD ASSET	1	1

Table 1.7. Bypass Summary

DUE TO	OCCURRENCES	VOLUME (GAL)
POWER FAILURE LG&E	2	110,300,000

SECTION 2: PROGRAM ACTIVITIES FOR DISCHARGE ABATEMENT PLANS

2.1. INTEGRATED OVERFLOW ABATEMENT PLAN (IOAP)

As a requirement of the original Consent Decree (CD) and the Amended Consent Decree (ACD), MSD prepared and submitted, for KDEP/EPA review and joint approval, Sanitary Sewer Discharge Plans (SSDP) designed to eliminate Unauthorized Discharges. MSD also prepared and submitted Long Term Control Plans (LTCP), for KDEP/EPA review and joint approval, pursuant to the CSO Control Policy. These plans were submitted under the title of the Integrated Overflow Abatement Plan (IOAP).

MSD developed these Discharge Abatement Plans (DAPs) for the elimination of Unauthorized Discharges, the reduction and control of discharges from CSO locations identified in the Morris Forman WQTC Kentucky Pollutant Discharge Elimination System (KPDES) permit, and the improvement of water quality in the receiving waters. MSD prepared conventional and innovative or alternative designs as part of each plan, including but not limited to: sewer rehabilitation, sewer replacement, sewer separation, relief sewers, above ground or below ground storage, high rate Secondary Treatment, illicit connection removal, remote wet weather Secondary Treatment facilities, and other appropriate alternatives. Designs were based on sound engineering judgment and in accordance with generally accepted engineering design criteria and may include interim remedial measures to reduce pollutant loading and improve water quality in the short term while alternatives for final remedial measures are being developed, evaluated and implemented.

In 2021, MSD, KDEP and EPA completed negotiation of the Second Amended Consent Decree (2ACD) to amend, reprioritize and expand upon some of the provisions set forth in the ACD. MSD had completed many of the requirements of the ACD, including construction of 47 of the 63 SSDP projects and construction of 24 of the 25 LTCP projects required under the ACD. The completed projects resulted in preliminary finding of bacterial reductions in the Ohio River and Beargrass Creek watersheds based on water quality monitoring and system hydraulic modeling. However, MSD had spent approximately \$1B on CD and ACD implementation, and was experiencing changed circumstances for other assets. KDEP and EPA agreed that additional system work was required in addition to a reprioritization of the work required under the ACD. The 2ACD requires Additional Early Action Plan (AEAP) projects to remediate the Paddy's Run Flood Pump Station (FPS), Morris Forman WQTC, and nine critical interceptors. Because these specific projects were in addition to the projects required under the SSDP and LTCP, the 2ACD also modified schedules for the completion of the few remaining projects under the approved SSDP and LTCP plans, as discussed in the following subsections. The 2ACD also requires the inclusion of an Asset Management Plan, which is discussed in SSection 7: Program Activities for Asset Management.

2.2. SANITARY SEWER DISCHARGE PLAN (SSDP)

The Sanitary Sewer Discharge Plan (SSDP) addresses the overflows and unauthorized discharges from the Separate Sewer System (SSS). Multiple plans have been submitted under this program: the Updated Sanitary Sewer Overflow Plan (SSOP), submitted February 10, 2006; the Interim Sanitary Sewer Discharge Plan (ISSDP), approved July 24, 2008; the Final SSDP, approved February 12, 2010; a revised SSDP, approved June 19, 2014; and the most recent revision of the SSDP, approved May 19, 2021. The approved documents can be viewed on the MSD Project WIN website, msdprojectwin.org. Discharge locations associated with SSDP Projects can be found in Appendix G.

The ACD required SSDP projects to be completed by December 31, 2024. Per Paragraph 38.a.(3) of the 2ACD, schedules for any SSDP project cannot extend beyond December 31, 2035.

The Idlewood Inline Storage project was certified as complete on August 18, 2023. The Monticello Pump Station Elimination was certified as complete on September 7, 2023.

2.3. CSO LONG TERM CONTROL PLAN (LTCP)

The CSO Long Term Control Plan (LTCP) addresses the overflows and unauthorized discharges from the Combined Sewer System (CSS). Multiple plans have been submitted under this program: the Interim CSO LTCP (approved February 22, 2007); the Final CSO LTCP (approved February 12, 2010); and the most recent revision of the LTCP, submitted May 19, 2021. The approved documents can be viewed on the MSD Project WIN website, msdprojectwin.org. Discharging assets associated with LTCP Projects can be found in Appendix G.

The ACD required LTCP projects to be completed by December 31, 2020. Per Paragraph 38.b.(3) of the 2ACD, schedules for any LTCP project could not extend beyond December 31, 2022. The final LTCP project, which is the Waterway Protection Tunnel, was certified as complete on June 27, 2022. Evaluation of the system will continue through hydraulic modeling, with additional details and Post Construction Compliance Monitoring available in the Annual Report.

2.4. ADDITIONAL EARLY ACTION PLAN (AEAP) PROJECTS

Since entry of the ACD, MSD determined that the conditions and circumstances regarding its assets have changed, thus necessitating the implementation of additional work to meet the objectives of the ACD and to achieve the levels of control for CSOs and SSOs set forth in the approved IOAP. These projects are known as Additional Early Action Plan (AEAP) projects and are described in the 2021 IOAP Modification, which can be viewed on the MSD Project WIN website, msdprojectwin.org. Per paragraph 39 of the 2ACD, MSD is required to implement new AEAP projects as listed in Table 2.1.

The I-64 & Grinstead Infrastructure Rehabilitation and Rudd Avenue Sewer Infrastructure Rehabilitation projects were certified as complete on September 8, 2023. The Prospect Phase II Area Sewers Rehabilitation project was certified as complete on September 11, 2023.

Table 2.1. AEAP Project Estimated Costs

AEAP PROJECT	REQUIRED COMPLETION DATE	IOAP INITIAL ESTIMATE (2021)	CURRENT ESTIMATE OR COST AT COMPLETION	OVERAGE
Nine Critical Interceptors	December 31, 2026	\$70.0M	\$92.7M	\$22.7M¹
<i>Broadway Interceptor Infrastructure Rehabilitation - A19208</i>	<i>June 30, 2021²</i>	<i>\$10.0M</i>	<i>\$24.9M</i>	<i>\$14.9M</i>
<i>Nightingale Rehabilitation - H16074</i>	<i>November 1, 2021²</i>	<i>\$3.0M</i>	<i>\$2.9M</i>	<i>-\$0.1M</i>
<i>Harrods Creek Force Main Repair - A20280</i>	<i>June 30, 2022²</i>	<i>\$8.4M</i>	<i>\$8.8M</i>	<i>\$0.4M</i>
<i>I-64 & Grinstead Infrastructure Rehabilitation - H18503</i>	<i>September 8, 2023²</i>	<i>\$16.0M</i>	<i>\$12.6M</i>	<i>-\$3.4M</i>
<i>Rudd Ave Sewer Infrastructure Rehabilitation - H21019</i>	<i>September 8, 2023²</i>	<i>\$2.3M</i>	<i>\$11.6M</i>	<i>\$9.3M</i>
<i>Prospect Phase II Area Sewers Rehabilitation - H16075</i>	<i>September 11, 2023²</i>	<i>\$3.0M</i>	<i>\$2.0M</i>	<i>-\$1.0M</i>
<i>Buechel Trunk Sewer Rehabilitation - E17053</i>		<i>\$3.0M</i>	<i>\$3.5M</i>	<i>\$0.5M</i>
<i>Large Diameter Sewer Rehabilitation - A20244</i>		<i>\$8.3M</i>	<i>\$7.4M</i>	<i>-\$0.9M</i>
<i>Western Outfall Infrastructure Rehabilitation - H20147</i>		<i>\$16.0M</i>	<i>\$19.0M</i>	<i>\$3.0M</i>
Paddy's Run Pump Station Replacement	December 31, 2026³	\$115M	\$241M	\$126M
Morris Forman WQTC Biosolids Facility	December 31, 2030	\$198M	\$314M	\$116M

1 The total overage for the nine critical interceptors is eligible to count towards Asset Management Commitments and will be evaluated upon completion of all projects.

2 Actual certification date for completed project(s)

3 This project is dependent on partnership and cooperation with the US Army Corps of Engineers (USACE), and as such the deadline may be extended. Unforeseen conditions during construction and USACE permitting/review have contributed to project delays.

2.5. IOAP ACTIVITY SCHEDULE

A Gantt chart including progress of the remaining IOAP projects during the current reporting period and anticipated during the upcoming reporting period can be found in Figure 2.1. Note that progress is represented on the chart as a linear calculation of percent complete in time between preliminary design and substantial completion; however, percent complete in construction is not necessarily linear and project schedule compliance should not be inferred based on visual representation of progress.



**SECOND AMENDED CONSENT DECREE
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Figure 2.1. IOAP Activity Schedule

Budget ID	Task Name	% Complete	2ACD Date	Start	Finish	3rd Quarter Jul Aug Sep	4th Quarter Oct Nov Dec	1st Quarter Jan Feb Mar	2nd Quarter Apr May Jun
MSD IOAP Commitments Schedule		36%		Fri 1/1/16	Tue 12/31/30				
SANITARY SEWER DISCHARGE PLAN									
H09164	Idlewood Inline Storage	87%	12/31/25	Mon 11/18/19	Wed 7/31/24				
H09164	CONSTRUCTION	100%		Thu 1/19/23	Fri 8/18/23				
H09164	CLOSEOUT	59%		Tue 7/18/23	Wed 7/31/24				
H09171	Kavanaugh Road PS Elimination ¹	33%	12/31/25	Mon 8/1/22	Mon 12/21/26				
H09171	DESIGN	65%		Mon 11/14/22	Tue 10/22/24				
H09171	EASEMENTS/LAND ACQUISITION	21%		Mon 1/1/24	Mon 5/27/24				
H09171	CONSTRUCTION	0%		Sat 12/21/24	Tue 1/20/26				
H09171	CLOSEOUT	0%		Sun 12/21/25	Mon 12/21/26				
H09182	Monticello PS Elimination	83%	12/31/25	Thu 9/2/21	Fri 9/6/24				
H09182	CONSTRUCTION	100%		Tue 3/14/23	Sat 10/7/23				
H09182	CLOSEOUT	53%		Thu 9/7/23	Fri 9/6/24				
H09196	Leven Pump Station Elimination	61%	12/31/25	Thu 9/2/21	Wed 12/31/25				
H09196	DESIGN	92%		Wed 2/2/22	Fri 4/5/24				
H09196	EASEMENTS/LAND ACQUISITION	93%		Sun 1/1/23	Fri 3/1/24				
H09196	CONSTRUCTION	0%		Mon 5/20/24	Wed 1/15/25				
H09196	CLOSEOUT	0%		Mon 12/16/24	Wed 12/31/25				
H09242	Gunpowder PS Elimination ¹	27%	12/31/25	Fri 7/1/22	Tue 4/27/27				
H09242	DESIGN	75%		Mon 10/10/22	Fri 8/9/24				
H09242	EASEMENTS/LAND ACQUISITION	16%		Mon 1/1/24	Fri 7/12/24				
H09242	CONSTRUCTION	0%		Tue 10/8/24	Wed 5/27/26				
H09242	CLOSEOUT	0%		Wed 12/31/25	Tue 4/27/27				
ADDITIONAL EARLY ACTION PLAN (SRP)									
D22100	Morris Forman WQTC New Biosolids Facility	28%	12/31/30	Fri 10/15/21	Tue 12/31/30				
D22100	DESIGN	100%		Wed 12/1/21	Mon 1/1/24				
D22100	CONSTRUCTION	0%		Mon 1/1/24	Fri 1/7/28				
D22100	CLOSEOUT	0%		Thu 12/9/27	Tue 12/31/30				
Project: IOAP Commitments		Task		Project Progress					
Data Date: 2/21/24									

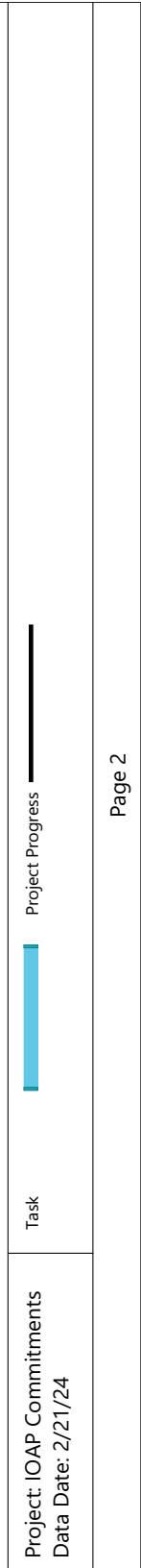
¹A minor modification letter was discussed for this project on February 21, 2024 and is currently under review by KDEP/EPA

**SECOND AMENDED CONSENT DECREE
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Figure 2.1. IOAP Activity Schedule

Budget ID	Task Name	% Complete	ZACD Date	Start	Finish	3rd Quarter			4th Quarter			1st Quarter			2nd Quarter			
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
F18515	Paddys Run Pump Station Capacity Improvements ¹	46%	12/31/26	Mon 7/1/19	Sun 7/30/28													
F18515	DESIGN	100%		Tue 11/2/21	Thu 9/21/23													
F18515	CONSTRUCTION	20%		Tue 5/2/23	Thu 12/31/26													
F18515	CLOSEOUT	0%		Thu 12/31/26	Sun 7/30/28													
ADDITIONAL EARLY ACTION PLAN (CRITICAL SEWERS)																		
A20244	Large Diameter Sewer Rehabilitation	69%	12/31/26	Mon 9/16/19	Thu 12/31/26													
A20244	DESIGN	70%		Wed 8/19/20	Thu 7/31/25													
A20244	CONSTRUCTION	0%		Thu 7/31/25	Sat 8/30/25													
A20244	CLOSEOUT	0%		Sat 9/6/25	Thu 12/31/26													
E17053	Buechel Trunk Sewer Rehab	8%	12/31/26	Sat 7/1/23	Thu 12/31/26													
E17053	INITIATION & PROCUREMENT	100%		Sat 7/1/23	Tue 12/12/23													
E17053	DESIGN	4%		Mon 1/29/24	Mon 3/25/24													
E17053	CONSTRUCTION	0%		Mon 4/29/24	Thu 5/29/25													
E17053	CLOSEOUT	0%		Tue 4/29/25	Thu 12/31/26													
H16075	Prospect Phase II Area Sewers Rehabilitation	66%	12/31/26	Thu 7/1/21	Thu 6/13/24													
H16075	CONSTRUCTION	100%		Mon 6/13/22	Mon 9/11/23													
H16075	CLOSEOUT	27%		Wed 6/14/23	Thu 6/13/24													
H18503	I-64 and Grinstead Infrastructure Rehabilitation	91%	12/31/26	Mon 4/12/21	Sat 5/11/24													
H18503	CLOSEOUT	78%		Tue 1/31/23	Sat 5/11/24													
H20147	Western Outfall Infrastructure Rehabilitation	65%	12/31/26	Fri 4/2/21	Thu 12/31/26													
H20147	CONSTRUCTION	91%		Thu 7/1/21	Wed 5/1/24													
H20147	CLOSEOUT	0%		Tue 4/2/24	Thu 12/31/26													
H21019	Rudd Avenue Infrastructure Rehabilitation	92%	12/31/26	Thu 4/1/21	Sat 5/11/24													
H21019	CONSTRUCTION	100%		Thu 11/18/21	Fri 9/8/23													
H21019	CLOSEOUT	79%		Tue 1/31/23	Sat 5/11/24													



¹This project is dependent on partnership and cooperation with the US Army Corps of Engineers (USACE), and as such the deadline may be extended. Unforeseen conditions during construction and USACE permitting/review have contributed to project delays.

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SECTION 3: PROGRAM ACTIVITIES FOR NINE MINIMUM CONTROLS

Per Paragraph 37.a. of the 2ACD, the Nine Minimum Controls (NMC) Compliance Report was approved by the KDEP/EPA on February 22, 2007. The approved document can be viewed on the MSD Project WIN website, msdprojectwin.org. A full update of activities under the NMC Program during the reporting period will be given in the Annual Report.

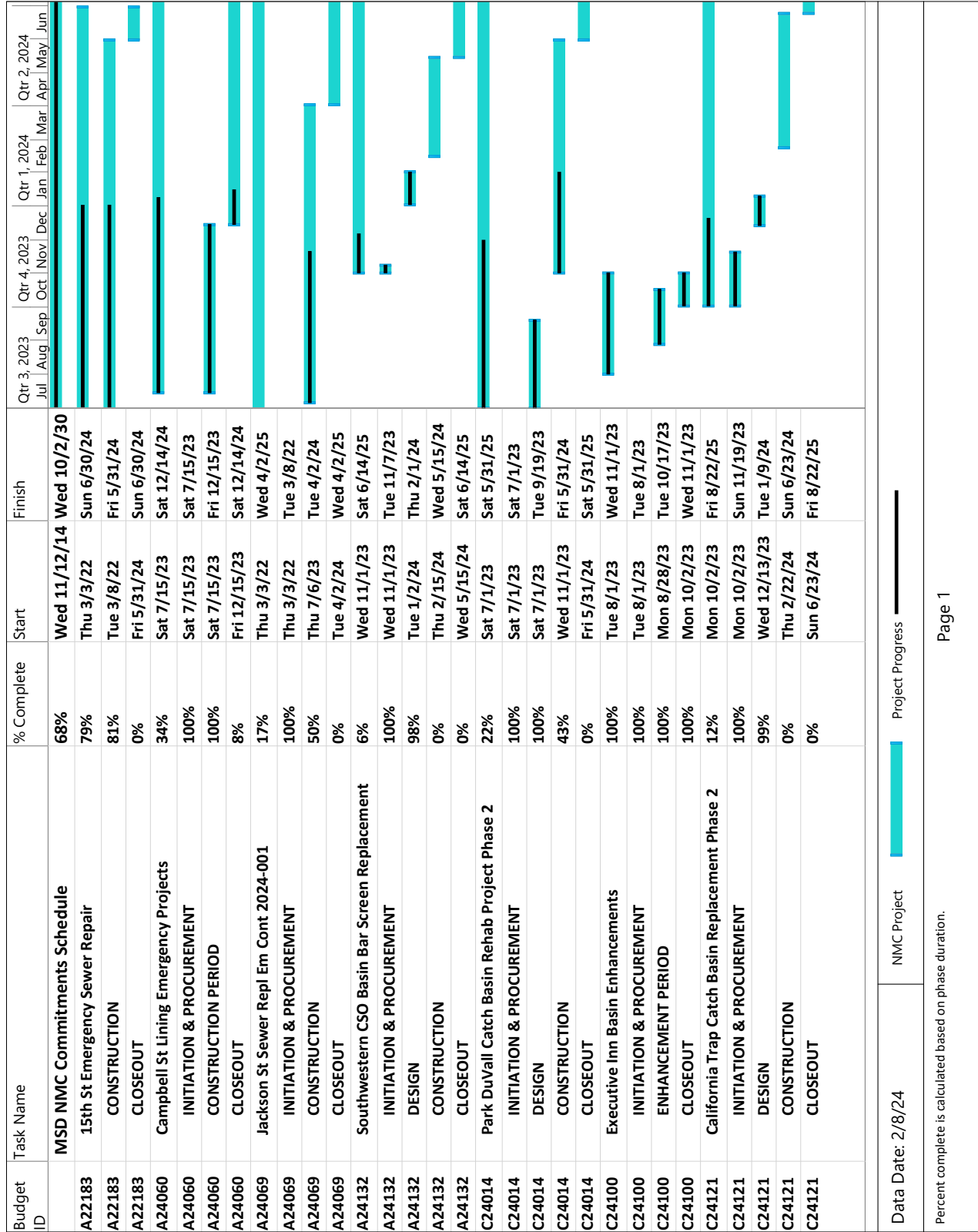
3.1. MORRIS FORMAN WQTC PERFORMANCE

Charts that compare plant flow at the Morris Forman WQTC with the occurrence of CSOs at the Main Diversion Structure and the Southwestern Pump Station are included in Appendix H. As described in Appendix B, reporting for CSO015 and CSO191 have been merged to align with their combined outfall point. In Appendix H, overflows at CSO191 are included in the CSO occurrence reporting for CSO015.

3.2. NMC ACTIVITY SCHEDULE

A Gantt chart including progress of NMC projects during the reporting period can be found in Figure 3.1.

Figure 3.1. NMC Activity Schedule



Data Date: 2/8/24

NMC Project

Project Progress

Percent complete is calculated based on phase duration.

SECOND AMENDED CONSENT DECREE
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Figure 3.1. NMC Activity Schedule

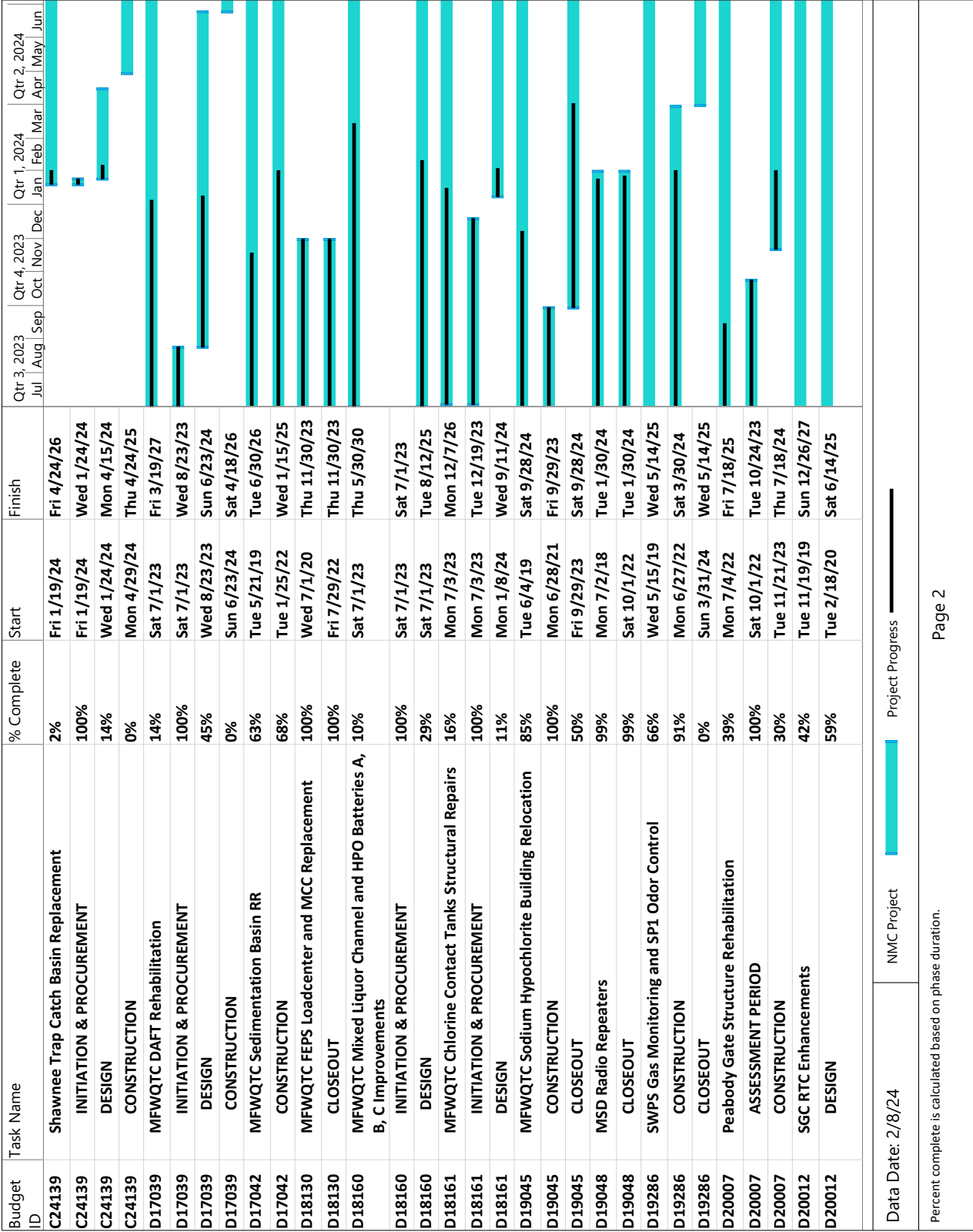




Figure 3.1. NMC Activity Schedule

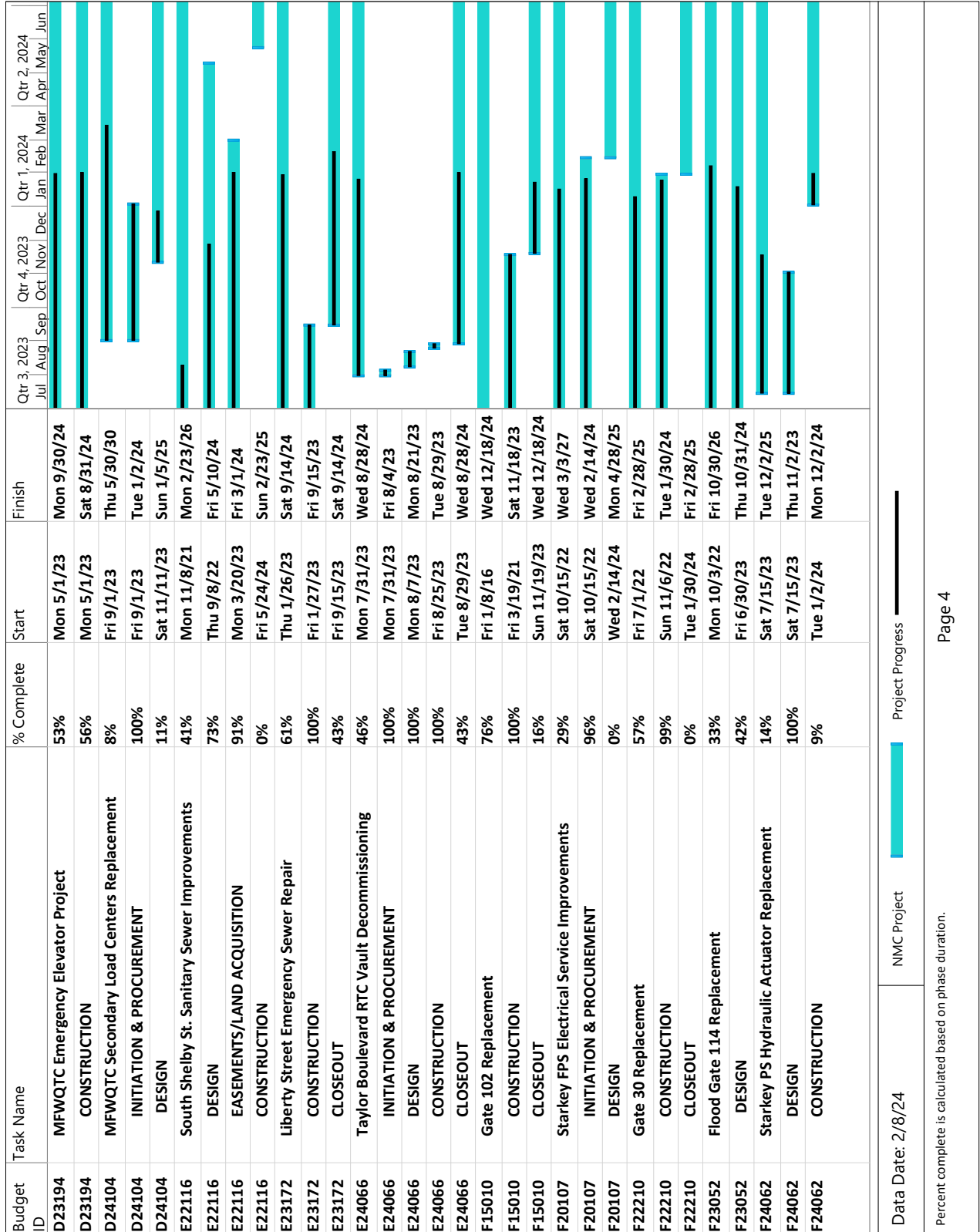
Budget ID	Task Name	Start	Finish	Qtr 3, 2023 Jul	Aug	Sep	Oct	Nov	Dec	Qtr 1, 2024 Jan	Feb	Mar	Apr	May	Jun	% Complete
D20223	Bells Lane WWTF Polymer Dosing System Updates	Mon 11/4/19	Wed 5/1/24	█	█	█	█	█	█	█	█	█	█	█	█	92%
D20223	CLOSEOUT	Tue 11/1/22	Wed 5/1/24	█	█	█	█	█	█	█	█	█	█	█	█	80%
D20224	Bells Lane Disinfection System Upgrades	Tue 7/23/19	Mon 4/29/24	█	█	█	█	█	█	█	█	█	█	█	█	92%
D20224	CLOSEOUT	Wed 11/16/22	Mon 4/29/24	█	█	█	█	█	█	█	█	█	█	█	█	80%
D20285	MFWQTC LG Dryer Replacements	Mon 12/2/19	Thu 2/27/25													58%
D20285	CONSTRUCTION	Fri 11/6/19	Fri 3/1/24													71%
D20285	CLOSEOUT	Sat 4/30/22	Thu 2/27/25													34%
D21021	FY24 MFWQTC Equipment RR	Sat 7/1/23	Sun 6/30/24													50%
D21021	INITIATION & PROCUREMENT	Sat 7/1/23	Sat 7/1/23													100%
D21021	SERVICE PERIOD	Sat 7/1/23	Sun 6/30/24													50%
D21021	CLOSEOUT	Sun 6/30/24	Sun 6/30/24													0%
D21063	Odor Management Plan	Wed 7/1/20	Mon 6/30/25													63%
D21063	CLOSEOUT	Wed 6/16/21	Mon 6/30/25													63%
D21239	MFWQTC Groundwater Wells Assistance	Tue 5/18/21	Sun 7/30/23													100%
D21239	CLOSEOUT	Fri 6/30/23	Sun 7/30/23													100%
D21247	MFWQTC MEB HVAC Replacement	Tue 6/15/21	Wed 8/27/25													59%
D21247	CONSTRUCTION	Wed 11/16/22	Tue 8/27/24													64%
D22102	MFWQTC Centrifuge Repair	Fri 10/8/21	Thu 8/31/23													100%
D22102	CLOSEOUT	Wed 8/31/22	Thu 8/31/23													100%
D22122	MFWQTC MEB Boiler Replacement	Wed 12/1/21	Sat 2/22/25													58%
D22122	CONSTRUCTION PERIOD	Mon 8/1/22	Fri 2/23/24													96%
D22122	CLOSEOUT	Fri 2/23/24	Sat 2/22/25													0%
D22178	SWPS Bar Screen Evaluation	Fri 4/1/22	Fri 8/4/23													100%
D22178	CLOSEOUT	Tue 5/30/23	Fri 8/4/23													100%
D22186	MFWQTC Computer Room Upgrades	Thu 3/31/22	Thu 6/26/25													52%
D22186	CONSTRUCTION	Thu 5/4/23	Tue 5/28/24													70%
D22186	CLOSEOUT	Tue 5/28/24	Thu 6/26/25													0%
D22211	MFWQTC Secondary Improvements (Design Definition Memorandum)	Fri 4/29/22	Mon 2/26/24													90%
D22211	DESIGN	Mon 7/18/22	Sat 1/27/24													95%
D22211	CLOSEOUT	Sat 1/27/24	Mon 2/26/24													0%

Data Date: 2/8/24	Project Progress
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SECOND AMENDED CONSENT DECREE
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Figure 3.1. NMC Activity Schedule



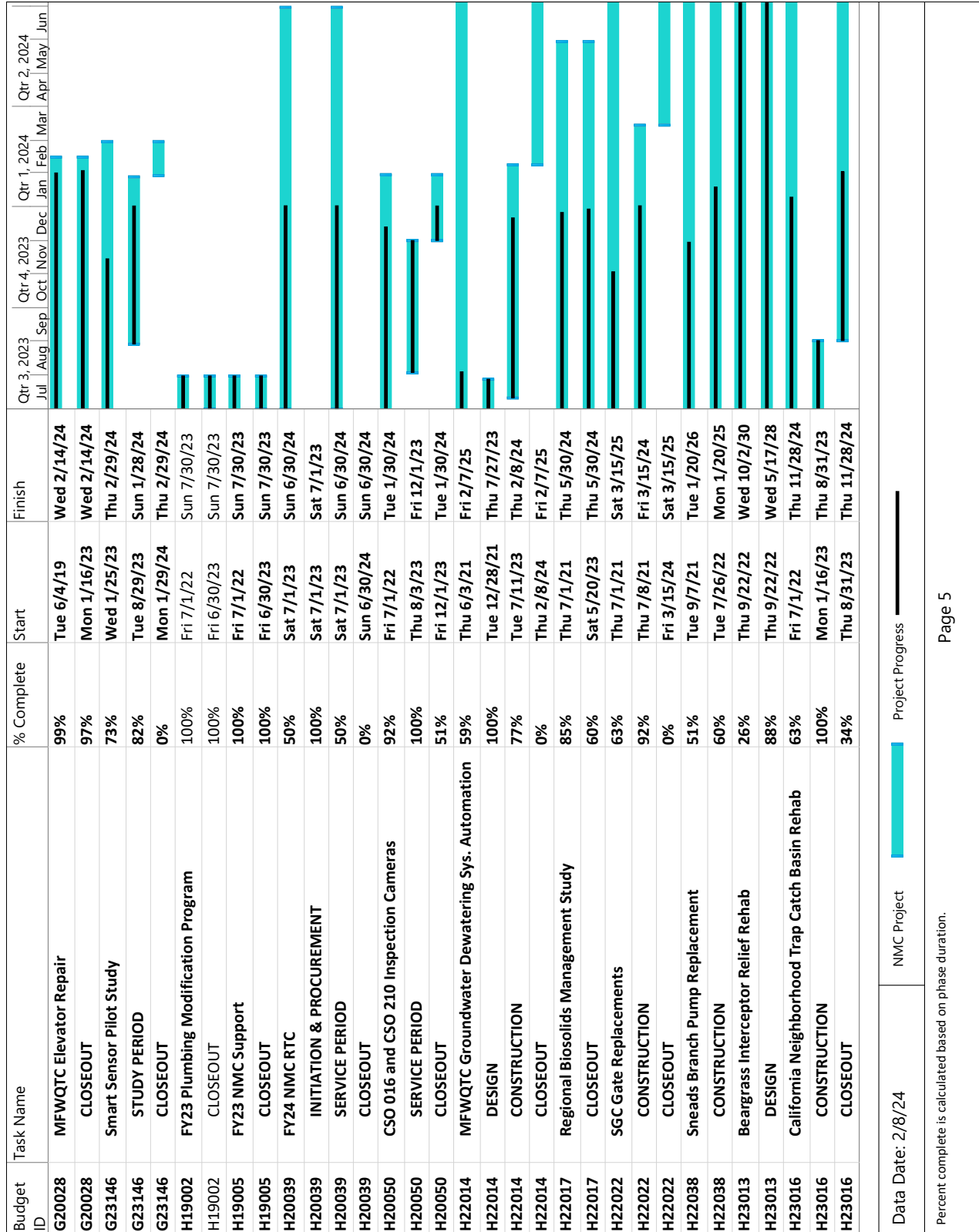
NMC Project

Project Progress

Data Date: 2/8/24

Percent complete is calculated based on phase duration.

Figure 3.1. NMC Activity Schedule



Data Date: 2/8/24

NMC Project

Project Progress

Percent complete is calculated based on phase duration.



Figure 3.1. NMC Activity Schedule

Budget ID	Task Name	% Complete	Start	Finish	Qtr 3, 2023 Jul Aug Sep	Qtr 4, 2023 Oct Nov Dec	Qtr 1, 2024 Jan Feb Mar	Qtr 2, 2024 Apr May Jun
H23147	MFWQTC Planning Assistance	63%	Thu 1/26/23	Sun 6/30/24				
H23147	SERVICE PERIOD	65%	Wed 2/1/23	Sun 6/30/24				
H23147	CLOSEOUT	0%	Sat 6/15/24	Sun 6/30/24				
H23175	California Maple St Trap Catch Basin Rehab	32%	Tue 2/7/23	Sat 10/11/25				
H23175	INITIATION & PROCUREMENT	83%	Tue 2/7/23	Wed 1/31/24				
H23175	DESIGN	0%	Tue 2/20/24	Sat 4/6/24				
H23175	CONSTRUCTION	0%	Sun 4/14/24	Fri 10/11/24				
H23179	CSO 140 Outfall Reconstruction	30%	Wed 3/1/23	Wed 12/31/25				
H23179	DESIGN	100%	Wed 3/1/23	Mon 10/16/23				
H23179	CONSTRUCTION	24%	Mon 12/11/23	Mon 7/8/24				
H23179	CLOSEOUT	0%	Sat 6/8/24	Wed 12/31/25				
H24120	Rowan Pump Station – Air Scour System	3%	Mon 10/2/23	Sun 7/13/25				
H24120	INITIATION & PROCUREMENT	100%	Mon 10/2/23	Fri 12/1/23				
H24120	DESIGN	100%	Sat 12/2/23	Tue 12/19/23				
H24120	CONSTRUCTION	0%	Mon 1/15/24	Sat 7/13/24				

Project Progress



NMC Project

Data Date: 2/8/24

Percent complete is calculated based on phase duration.

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SECTION 4: PROGRAM ACTIVITIES FOR CAPACITY MANAGEMENT, OPERATIONS AND MAINTENANCE (CMOM)

Per Paragraph 37.b. of the 2ACD, the CMOM Self-Assessment Report was approved by the KDEP/EPA on August 21, 2006. The approved document can be viewed on the MSD Project WIN website, msdprojectwin.org. A full update of activities under the CMOM Program during the reporting period will be given in the Annual Report.

4.1. CMOM ACTIVITY SCHEDULE

A Gantt chart including progress of CMOM projects during the reporting period can be found in Figure 4.1



**SECOND AMENDED CONSENT DECREE
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Figure 4.1. CMOM Activity Schedule

Budget ID	Task Name	% Complete	Start	Finish	Qtr 3, 2023 Jul Aug Sep	Qtr 4, 2023 Oct Nov Dec	Qtr 1, 2024 Jan Feb Mar	Qtr 2, 2024 Apr May Jun
MSD CMOM Commitments Schedule								
A23182	Campground Park Excess Cost Jefferson Co	67%	Mon 8/3/09	Wed 11/21/29	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A23182	SPENDING START	100%	Wed 3/1/23	Sat 9/30/23	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A23182	CLOSEOUT	100%	Tue 3/7/23	Thu 8/31/23	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A23211	Concrete Repairs at DRG Dewatering Bldg	26%	Thu 8/31/23	Sat 9/30/23	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A23211	INITIATION & PROCUREMENT	26%	Thu 6/1/23	Thu 1/30/25	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A23211	DESIGN	100%	Thu 6/1/23	Mon 7/3/23	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A23211	CONSTRUCTION	100%	Mon 7/24/23	Mon 7/24/23	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A23211	CLOSEOUT	83%	Mon 8/7/23	Wed 1/31/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24044	Private Property I and I Program Design	0%	Wed 1/31/24	Thu 1/30/25	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24044	INITIATION & PROCUREMENT	50%	Sat 7/1/23	Sun 6/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24044	DESIGN	100%	Sat 7/1/23	Sat 7/1/23	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24044	CLOSEOUT	55%	Sat 7/1/23	Fri 5/31/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24044	CLOSEOUT	0%	Fri 5/31/24	Sun 6/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24068	FY24 PSC Program Support	0%	Sat 7/1/23	Sun 6/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24068	INITIATION & PROCUREMENT	59%	Sat 7/1/23	Sun 6/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24068	SERVICE PERIOD	100%	Sat 7/1/23	Sat 7/1/23	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24068	CLOSEOUT	59%	Sat 7/1/23	Sun 6/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24101	Villages of Heritage Creek Sanitary Excess Cost	0%	Sun 6/30/24	Sun 6/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24101	INITIATION & PROCUREMENT	32%	Tue 8/1/23	Tue 4/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24101	SERVICE PERIOD	100%	Tue 8/1/23	Tue 8/1/23	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24101	CLOSEOUT	37%	Mon 10/30/23	Mon 4/15/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24130	Echo Trail PS and FM Excess Cost	0%	Sun 3/31/24	Tue 4/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24130	INITIATION & PROCUREMENT	2%	Fri 12/1/23	Sun 6/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24130	SPENDING START	100%	Fri 12/1/23	Mon 12/18/23	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24130	CLOSEOUT	0%	Mon 12/18/23	Fri 5/31/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24133	West Goose Creek PS Rehabilitation	0%	Fri 5/31/24	Sun 6/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24133	INITIATION & PROCUREMENT	4%	Mon 11/27/23	Mon 4/6/26	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24133	DESIGN	58%	Mon 11/27/23	Thu 2/1/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
A24133	CONSTRUCTION	0%	Thu 2/1/24	Thu 2/1/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
C22028	Lower Floyds Fork Facilities Plan	0%	Thu 2/1/24	Sun 4/6/25	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
C22028	SERVICE PERIOD	83%	Thu 7/1/21	Sun 6/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
C22028	CLOSEOUT	88%	Wed 9/1/21	Tue 4/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]
C22028	CLOSEOUT	0%	Wed 5/1/24	Sun 6/30/24	[Progress bar]	[Progress bar]	[Progress bar]	[Progress bar]

Data Date: 2/8/24

CMOM Project

Project Progress

Percent complete is calculated based on phase duration.

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MID-YEAR STATUS REPORT FY24
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Figure 4.1. CMOM Activity Schedule

Budget ID	Task Name	% Complete	Start	Finish	Qtr 3, 2023 Jul Aug Sep	Qtr 4, 2023 Oct Nov Dec	Qtr 1, 2024 Jan Feb Mar	Qtr 2, 2024 Apr May Jun
C22029	Ohio River Area Facilities Plan	84%	Thu 7/1/21	Sun 6/30/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
C22029	SERVICE PERIOD	88%	Wed 9/1/21	Tue 4/30/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
C22029	CLOSEOUT	0%	Wed 5/1/24	Sun 6/30/24				
D18090	CCWQTC Solids Dewatering Facility	29%	Thu 12/1/22	Fri 3/3/28	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D18090	DESIGN	43%	Tue 5/9/23	Tue 2/11/25	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D18132	DRGWQTC WWPS & WWSB Rehabilitation	37%	Wed 9/1/21	Tue 9/14/27	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D18132	CONSTRUCTION	31%	Mon 2/21/22	Wed 7/15/26	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D20008	Kirby Lane Pump Station Elimination	46%	Fri 7/15/22	Fri 3/20/26	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D20008	DESIGN	64%	Mon 1/9/23	Fri 7/19/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D20008	EASEMENTS/LAND ACQUISITION	69%	Wed 4/5/23	Sat 6/15/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D20011	Northern Ditch Pump Station Replacement	10%	Mon 7/3/23	Sat 6/10/28	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D20011	INITIATION & PROCUREMENT	90%	Mon 7/3/23	Wed 1/31/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D20011	DESIGN	0%	Wed 1/31/24	Wed 6/11/25				
D20148	FFWQTC Regional Facilities Plan Update	87%	Tue 9/15/20	Sun 6/30/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D20148	SERVICE PERIOD	91%	Tue 9/29/20	Tue 4/30/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D20148	CLOSEOUT	0%	Wed 5/1/24	Sun 6/30/24				
D20149	CCWQTC Admin Building Expansion	27%	Wed 8/10/22	Wed 1/27/27	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D20149	DESIGN	90%	Mon 2/13/23	Tue 3/26/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D20149	CONSTRUCTION	0%	Sat 5/25/24	Tue 1/27/26				
D20351	Floyds Fork Interceptor	40%	Wed 7/1/20	Wed 11/21/29	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D20351	DESIGN	56%	Mon 8/17/20	Sun 8/30/26	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D20351	EASEMENTS/LAND ACQUISITION	60%	Sat 4/1/23	Sun 6/30/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D21079	Fairmount Road Pump Station Force Main Extension - Phase 2	32%	Tue 6/1/21	Wed 1/6/27	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D21079	DESIGN	85%	Mon 9/20/21	Fri 9/6/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D21079	EASEMENTS/LAND ACQUISITION	0%	Thu 2/1/24	Tue 7/30/24				
D21099	FY24 Regional WQTC Equipment RR	50%	Sat 7/1/23	Sun 6/30/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D21099	INITIATION & PROCUREMENT	100%	Sat 7/1/23	Sat 7/1/23	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D21099	SERVICE PERIOD	50%	Sat 7/1/23	Sun 6/30/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D21099	CLOSEOUT	0%	Sun 6/30/24	Sun 6/30/24				
D21230	DRG RAS Pumps 2 and 3 Replacement	59%	Wed 5/5/21	Mon 2/17/25	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]
D21230	CONSTRUCTION	54%	Mon 10/24/22	Thu 12/19/24	[Progress Bar]	[Progress Bar]	[Progress Bar]	[Progress Bar]

Data Date: 2/8/24

CMOM Project

Project Progress

Percent complete is calculated based on phase duration.



Figure 4.1. CMOM Activity Schedule

Budget ID	Task Name	% Complete	Start	Finish	Qtr											
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
D21242	DRGWQTC Lab Upgrade	77%	Tue 6/1/21	Sat 10/12/24	█	█	█	█	█	█	█	█	█	█	█	█
D21242	CONSTRUCTION	100%	Mon 6/27/22	Fri 10/13/23	█	█	█	█	█	█	█	█	█	█	█	█
D21242	CLOSEOUT	44%	Fri 10/13/23	Sat 10/12/24												
D22042	FFWQTC Power Factor Correction	74%	Mon 5/24/21	Fri 11/29/24	█	█	█	█	█	█	█	█	█	█	█	█
D22042	CONSTRUCTION	100%	Tue 2/8/22	Tue 11/28/23	█	█	█	█	█	█	█	█	█	█	█	█
D22042	CLOSEOUT	26%	Wed 11/29/23	Fri 11/29/24												
D22080	DRG Clarifier 4-6 Mechanism Update	57%	Sat 5/1/21	Tue 8/12/25	█	█	█	█	█	█	█	█	█	█	█	█
D22080	DESIGN	100%	Thu 5/6/21	Thu 10/12/23	█	█	█	█	█	█	█	█	█	█	█	█
D22080	CONSTRUCTION	0%	Wed 2/14/24	Mon 8/12/24												
D22098	CCWQTC Re-rating to 9_0 MGD	51%	Fri 10/1/21	Fri 4/10/26	█	█	█	█	█	█	█	█	█	█	█	█
D22098	CONSTRUCTION	43%	Thu 3/9/23	Thu 4/10/25	█	█	█	█	█	█	█	█	█	█	█	█
D22175	HCWQTC Spare Parts Pole Barn	100%	Fri 2/25/22	Sat 12/30/23	█	█	█	█	█	█	█	█	█	█	█	█
D22175	CLOSEOUT	100%	Wed 11/30/22	Sat 12/30/23	█	█	█	█	█	█	█	█	█	█	█	█
D22209	DRG Centrifuge Maintenance Platforms	100%	Thu 4/28/22	Sat 9/30/23	█	█	█	█	█	█	█	█	█	█	█	█
D22209	CLOSEOUT	100%	Sat 6/3/23	Sat 9/30/23	█	█	█	█	█	█	█	█	█	█	█	█
D22213	CCWQTC Tertiary Filtration	51%	Wed 11/3/21	Thu 8/7/25	█	█	█	█	█	█	█	█	█	█	█	█
D22213	DESIGN	100%	Mon 5/23/22	Mon 11/13/23	█	█	█	█	█	█	█	█	█	█	█	█
D22213	CONSTRUCTION	0%	Wed 2/14/24	Fri 5/9/25												
D24009	AI Aquisight Software at HCWQTC	40%	Sat 7/1/23	Thu 9/5/24	█	█	█	█	█	█	█	█	█	█	█	█
D24009	INITIATION & PROCUREMENT	100%	Sat 7/1/23	Wed 11/1/23	█	█	█	█	█	█	█	█	█	█	█	█
D24009	DESIGN	51%	Wed 11/1/23	Mon 4/15/24	█	█	█	█	█	█	█	█	█	█	█	█
D24009	SOFTWARE INSTALL	0%	Tue 4/16/24	Tue 8/6/24												
D24015	CCWQTC UV Improvements	28%	Sat 7/1/23	Sat 11/1/25	█	█	█	█	█	█	█	█	█	█	█	█
D24015	INITIATION & PROCUREMENT	100%	Sat 7/1/23	Mon 9/25/23	█	█	█	█	█	█	█	█	█	█	█	█
D24015	DESIGN	66%	Mon 9/25/23	Fri 4/26/24	█	█	█	█	█	█	█	█	█	█	█	█
D24015	CONSTRUCTION	0%	Tue 6/25/24	Fri 11/1/24												
D24021	FFWQTC Influent Pump VFds	24%	Sat 7/1/23	Wed 12/24/25	█	█	█	█	█	█	█	█	█	█	█	█
D24021	INITIATION & PROCUREMENT	100%	Sat 7/1/23	Thu 12/7/23	█	█	█	█	█	█	█	█	█	█	█	█
D24021	DESIGN	21%	Thu 12/7/23	Sat 8/31/24	█	█	█	█	█	█	█	█	█	█	█	█
D24022	FFWQTC Sludge Storage Tank Improvements	18%	Sat 7/1/23	Sun 10/18/26	█	█	█	█	█	█	█	█	█	█	█	█
D24022	INITIATION & PROCUREMENT	100%	Sat 7/1/23	Thu 12/7/23	█	█	█	█	█	█	█	█	█	█	█	█
D24022	DESIGN	14%	Thu 12/7/23	Fri 12/27/24	█	█	█	█	█	█	█	█	█	█	█	█

Data Date: 2/8/24

CMOM Project

Project Progress

Percent complete is calculated based on phase duration.

**SECOND AMENDED CONSENT DECREE
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Figure 4.1. CMOM Activity Schedule

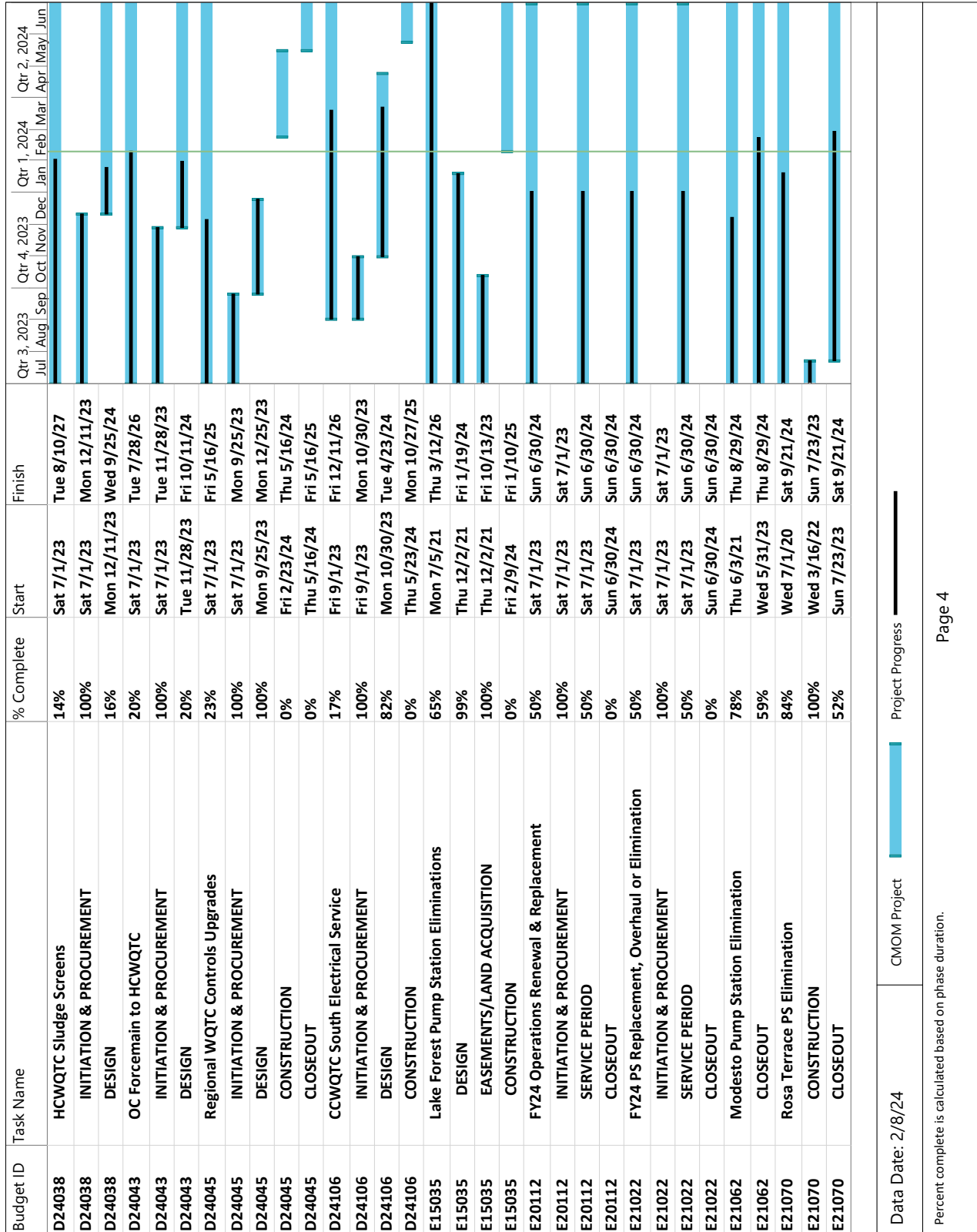


Figure 4.1. CMOM Activity Schedule

Budget ID	Task Name	% Complete	Start	Finish	Qtr 1, 2024																		
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec							
E21071	Wathen Lane PS Rehabilitation	70%	Wed 7/1/20	Tue 6/24/25																			
E21071	CONSTRUCTION	95%	Mon 5/2/22	Tue 3/5/24																			
E21071	CLOSEOUT	0%	Tue 3/5/24	Tue 6/24/25																			
E21090	Sonne Avenue PS Elimination	90%	Wed 7/1/20	Wed 6/19/24																			
E21090	CLOSEOUT	74%	Sat 4/22/23	Wed 6/19/24																			
E21091	Sanders Lane PS Rehabilitation	70%	Wed 7/1/20	Fri 7/4/25																			
E21091	CONSTRUCTION	95%	Mon 5/16/22	Fri 3/1/24																			
E21091	CLOSEOUT	0%	Mon 3/4/24	Fri 7/4/25																			
E22223	Lantana Drive PS No 1 Elimination	48%	Tue 6/7/22	Fri 6/19/26																			
E22223	DESIGN	82%	Mon 8/15/22	Fri 5/31/24																			
E22223	EASEMENTS/LAND ACQUISITION	94%	Mon 2/27/23	Fri 2/23/24																			
E22223	CONSTRUCTION	0%	Tue 6/18/24	Thu 6/19/25																			
E23223	Ridge Recapture Agreement	60%	Thu 6/15/23	Sun 6/30/24																			
E23223	ACQUISITION PERIOD	60%	Thu 6/15/23	Sun 6/30/24																			
E23223	CLOSEOUT	0%	Sun 6/30/24	Sun 6/30/24																			
E24017	Cypress Springs PS Elimination	19%	Sat 7/1/23	Fri 8/14/26																			
E24017	INITIATION & PROCUREMENT	100%	Sat 7/1/23	Mon 1/8/24																			
E24017	DESIGN	7%	Mon 1/8/24	Fri 11/22/24																			
E24026	Fox Harbor 1 & 2 and Deep Trail Pump Station Eliminati	15%	Sat 7/1/23	Sat 2/13/27																			
E24026	INITIATION & PROCUREMENT	100%	Sat 7/1/23	Mon 9/25/23																			
E24026	DESIGN	36%	Mon 10/2/23	Mon 10/14/24																			
E24026	EASEMENTS/LAND ACQUISITION	0%	Fri 5/10/24	Sat 9/7/24																			
E24123	John Hancock Place Sanitary Sewer Improvements	10%	Mon 10/2/23	Sun 2/7/27																			
E24123	INITIATION & PROCUREMENT	100%	Mon 10/2/23	Mon 12/18/23																			
E24123	DESIGN	12%	Mon 12/18/23	Sat 11/16/24																			
E24123	EASEMENTS/LAND ACQUISITION	0%	Mon 6/3/24	Sun 9/1/24																			
E24135	Bellingham Park Phase 4 Excess Cost	0%	Mon 1/1/24	Sun 6/30/24																			
E24135	INITIATION & PROCUREMENT	100%	Mon 1/1/24	Mon 1/1/24																			
E24135	SERVICE PERIOD	0%	Mon 1/1/24	Fri 5/31/24																			
E24135	CLOSEOUT	0%	Fri 5/31/24	Sun 6/30/24																			
F20321	Bluegrass Fields PS Renovation	100%	Mon 3/16/20	Tue 7/11/23																			
F20321	CLOSEOUT	100%	Thu 6/2/22	Tue 7/11/23																			

Project Progress

CMOM Project

Data Date: 2/8/24

Percent complete is calculated based on phase duration.



Figure 4.1. CMOM Activity Schedule

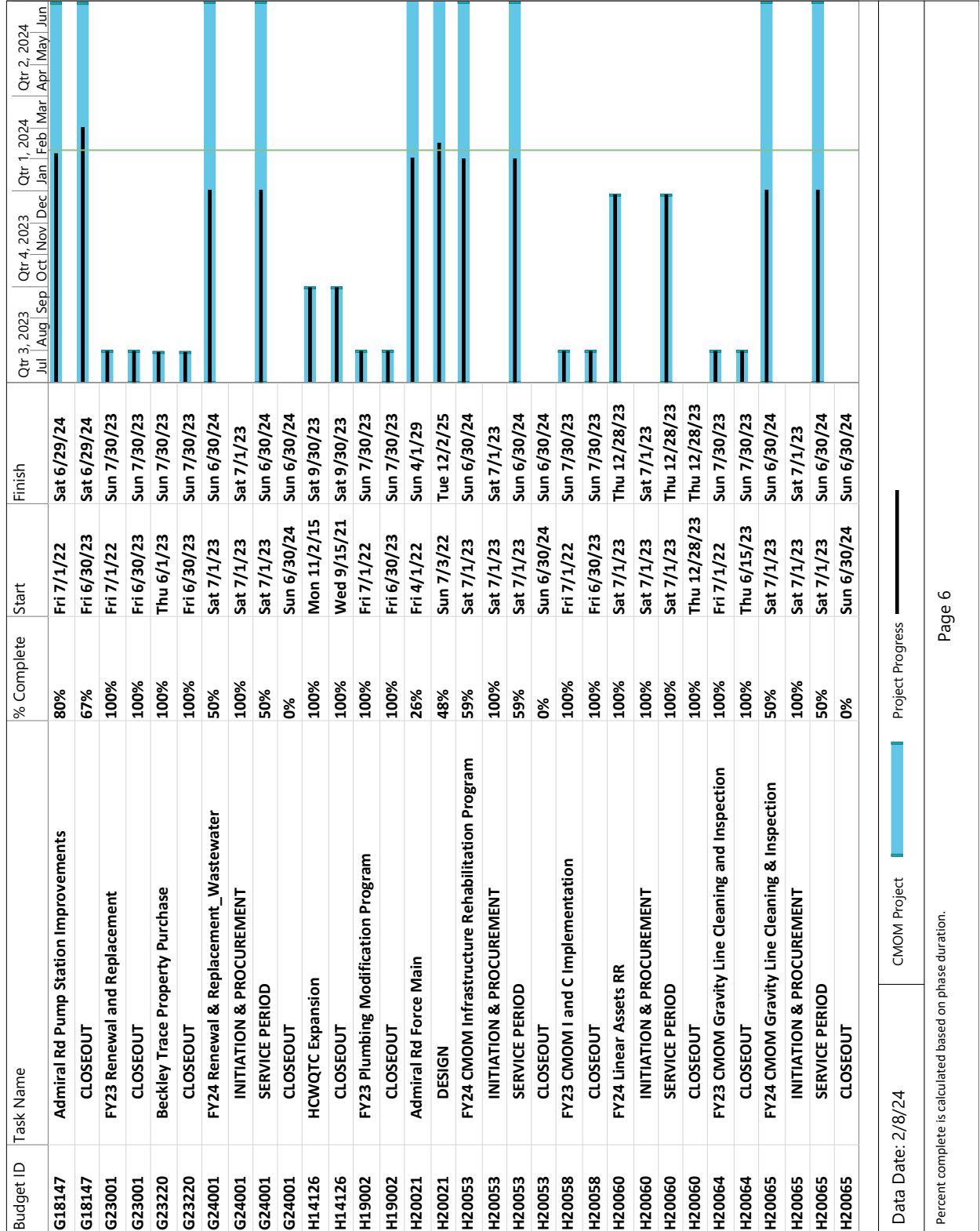
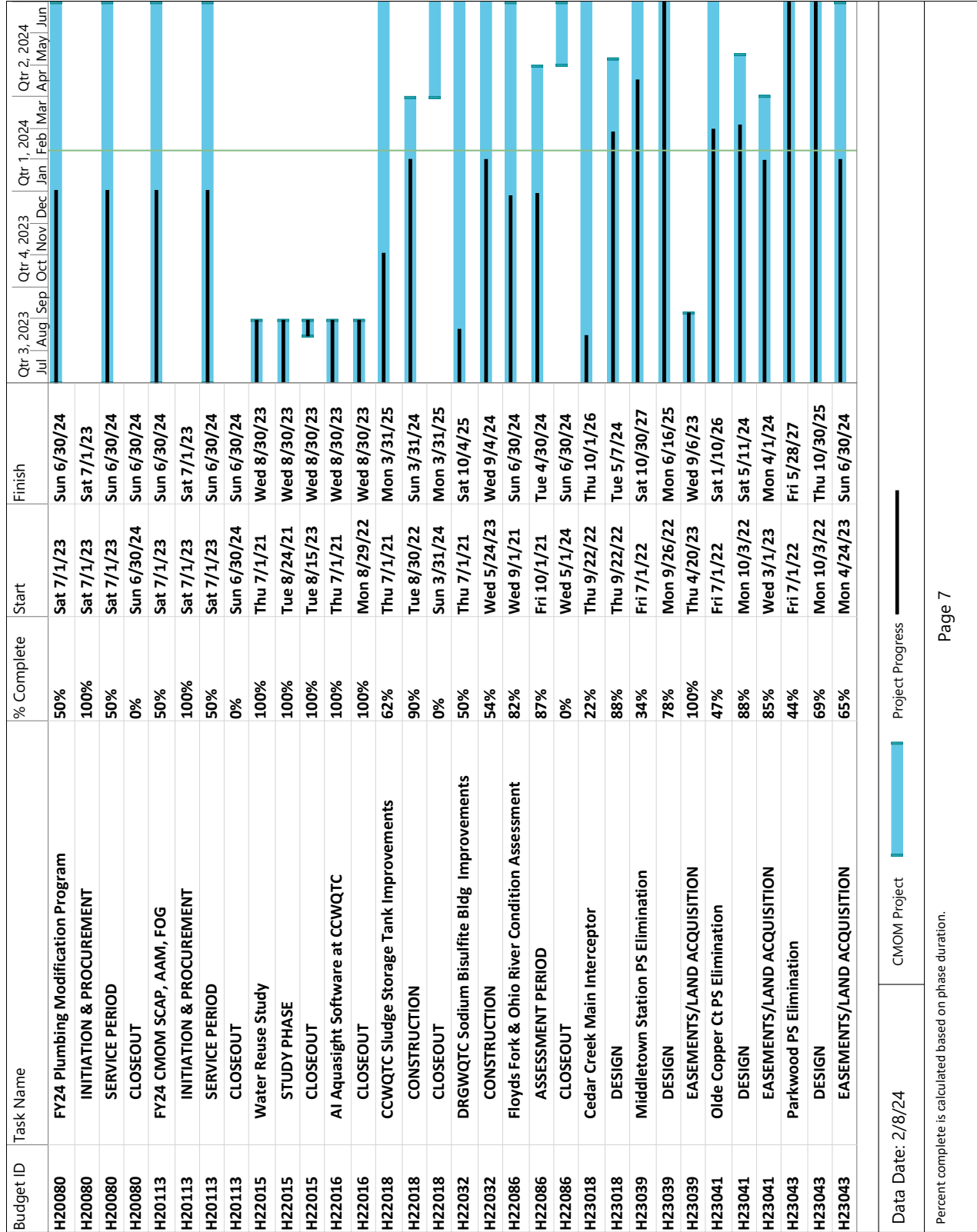




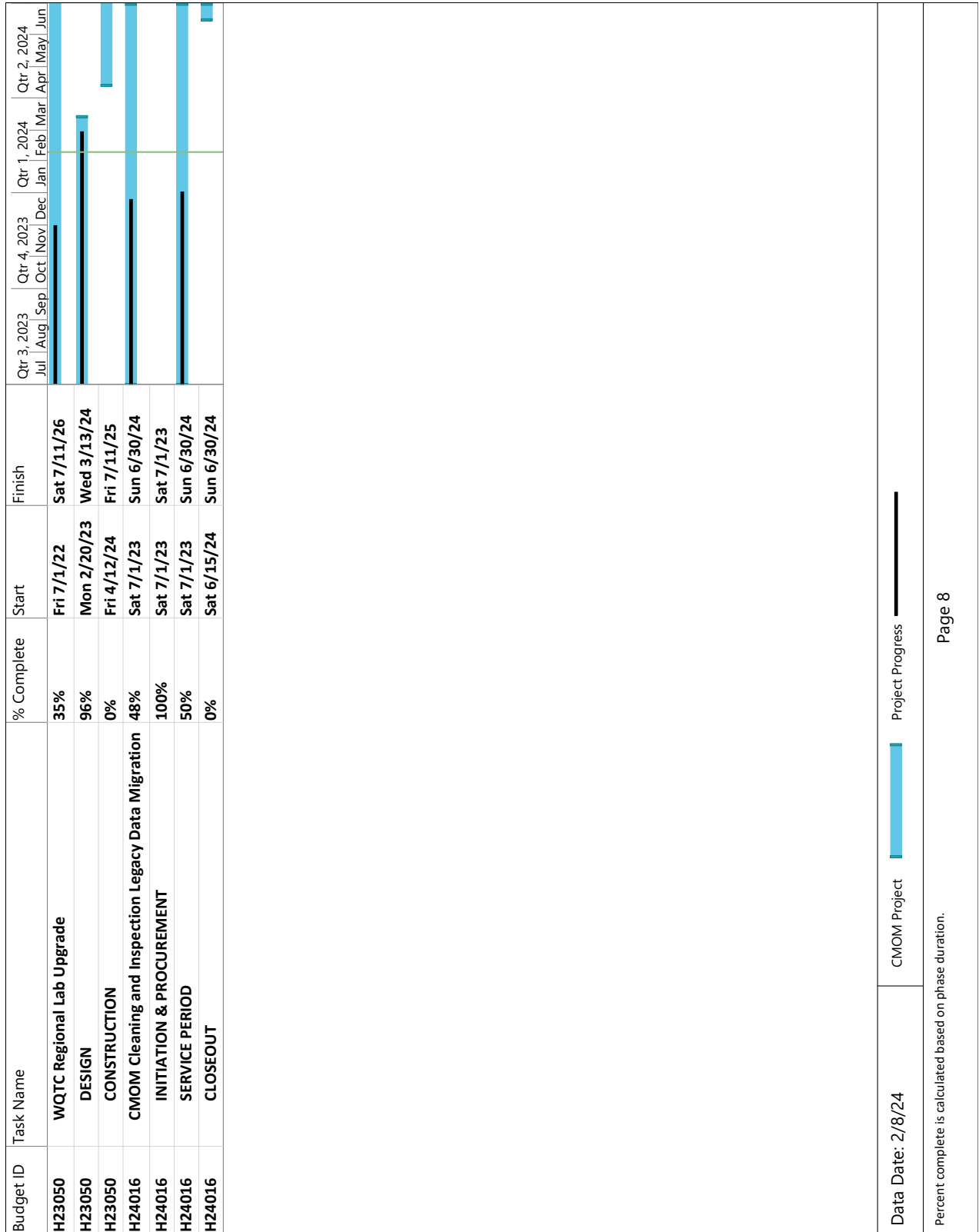
Figure 4.1. CMOM Activity Schedule



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Figure 4.1. CMOM Activity Schedule



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SECTION 5: PROGRAM ACTIVITIES FOR SEWER OVERFLOW RESPONSE PROTOCOL

Per Paragraph 37.c. of the 2ACD, MSD's initial Sewer Overflow Response Protocol (SORP) was approved by KDEP/EPA on August 22, 2006. The document is updated annually as discussed in Section 5.1. The approved document can be viewed on the MSD Project WIN website, msdprojectwin.org. A full update of activities under the SORP Program during the reporting period will be given in the Annual Report.

5.1. SORP MANUAL UPDATE

MSD is required to review the SORP annually and propose changes as appropriate as a component of the 2ACD Mid-Year Report, and provide updates to the Louisville Regional Office of the Division of Water within 15 days of incorporation of the update. The proposed updated SORP manual is transmitted to regulators under separate cover. Upon this annual review, no changes to procedures are proposed. As part of ongoing maintenance of the report, appendices related to system characterization, organizational structure, documented and suspected overflows, and wet weather inspection routes were updated. References to Top Flight WQTC were removed, and hours for the resources for customer inquiries and dispatching work were updated to reflect current operations. The latest SORP manual is available on MSD's Project WIN website, msdprojectwin.org.

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SECTION 6: PROGRAM ACTIVITIES FOR PUBLIC OUTREACH, EDUCATION, NOTIFICATION AND PARTICIPATION

Per Paragraph 36 of the 2ACD, MSD has established a multidisciplinary Wet Weather Team and a program for public information, education, and involvement. This program is described fully in Volume 1, Chapter 3 of the 2021 IOAP Modification. Wet Weather Stakeholder Team meeting minutes, the 2021 IOAP Modification, and public education materials can be viewed on the MSD Project WIN website, msdprojectwin.org. A full update of activities related to public outreach, education, notification, and participation during the reporting period will be given in the annual report.

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SECTION 7: PROGRAM ACTIVITIES FOR ASSET MANAGEMENT

The Strategic Asset Management Plan was submitted to KDEP/EPA for review and joint approval on June 30, 2021, in accordance with paragraph 40 of the 2ACD. This Asset Management (AM) plan is currently under review by KDEP/EPA; the unapproved document can be viewed on the MSD Project WIN website, msdprojectwin.org.

7.1. AM ACTIVITY SCHEDULE

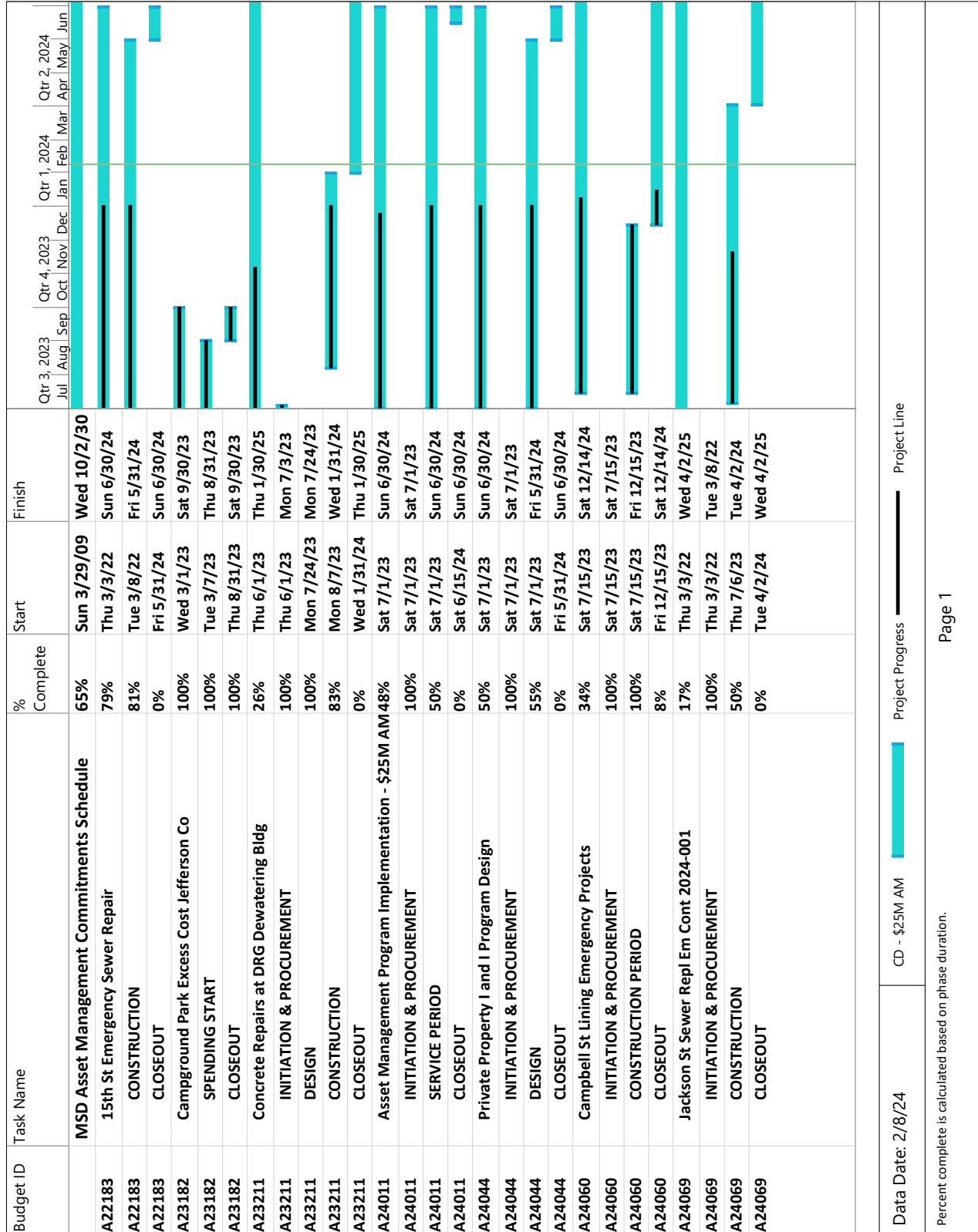
A Gantt chart including progress of AM projects during the reporting period can be found in Figure 7.1.

Per discussion with the EPA and KDEP on September 21, 2022, it was recommended that the Admiral Way solution be included as an Asset Management Program Solution to mitigate capacity issues in the Fishpool Interceptor and address existing overflows at manholes 93703 and 93705 to a 2-year level of control. The Cinderella PS Elimination Minor Modification letter, which can be viewed on the MSD Project WIN website, msdprojectwin.org, describes the relationship between the two projects, and discusses the Admiral Way solution as an Asset Management project. Since then, the project has been included in Appendix G in the Annual Report and the Mid-Year Status Report as the Asset Management Program solution for resolving SSOs at these locations.



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Figure 7.1. Asset Management Schedule



Data Date: 2/8/24

CD - \$25M AM

Project Progress

Project Line

Percent complete is calculated based on phase duration.

Figure 7.1. Asset Management Schedule



CD - \$25M AM

Data Date: 2/8/24

Percent complete is calculated based on phase duration.

Figure 7.1. Asset Management Schedule

Budget ID	Task Name	% Complete	Start	Finish	Qtr 3, 2023 Qtr 4, 2023 Qtr 1, 2024 Qtr 2, 2024																																			
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun																								
D21059	CLOSEOUT	100%	Sun 12/31/23	Sun 12/31/23																																				
D21063	Odor Management Plan	63%	Wed 7/1/20	Mon 6/30/25																																				
D21063	CLOSEOUT	63%	Wed 6/16/21	Mon 6/30/25																																				
D21079	Fairmount Road Pump Station Force Main Extension - Phase 2	32%	Tue 6/1/21	Wed 1/6/27																																				
D21079	DESIGN	85%	Mon 9/20/21	Fri 9/6/24																																				
D21079	EASEMENTS/LAND ACQUISITION	0%	Thu 2/1/24	Tue 7/30/24																																				
D21099	FY24 Regional WQTC Equipment RR	50%	Sat 7/1/23	Sun 6/30/24																																				
D21099	INITIATION & PROCUREMENT	100%	Sat 7/1/23	Sat 7/1/23																																				
D21099	SERVICE PERIOD	50%	Sat 7/1/23	Sun 6/30/24																																				
D21099	CLOSEOUT	0%	Sun 6/30/24	Sun 6/30/24																																				
D21224	DRGWQTC Sodium Hypochlorite and Process Water Buildings Roof Replacement	100%	Thu 4/15/21	Thu 7/6/23																																				
D21224	CLOSEOUT	100%	Wed 7/6/22	Thu 7/6/23																																				
D21230	DRG RAS Pumps 2 and 3 Replacement	59%	Wed 5/5/21	Mon 2/17/25																																				
D21230	CONSTRUCTION	54%	Mon 10/24/22	Thu 12/19/24																																				
D21233	MFWQTC MEB Roof Replacement	67%	Thu 4/1/21	Sun 2/23/25																																				
D21233	CONSTRUCTION	99%	Mon 6/27/22	Fri 1/26/24																																				
D21233	CLOSEOUT	0%	Fri 1/26/24	Sun 2/23/25																																				
D21239	MFWQTC Groundwater Wells Assistance	100%	Tue 5/18/21	Sun 7/30/23																																				
D21239	CLOSEOUT	100%	Fri 6/30/23	Sun 7/30/23																																				
D21242	DRGWQTC Lab Upgrade	77%	Tue 6/1/21	Sat 10/12/24																																				
D21242	CONSTRUCTION	100%	Mon 6/27/22	Fri 10/13/23																																				
D21242	CLOSEOUT	44%	Fri 10/13/23	Sat 10/12/24																																				
D21247	MFWQTC MEB HVAC Replacement	59%	Tue 6/15/21	Wed 8/27/25																																				
D21247	CONSTRUCTION	64%	Wed 11/16/22	Tue 8/27/24																																				
D22042	FFWQTC Power Factor Correction	74%	Mon 5/24/21	Fri 11/29/24																																				
D22042	CONSTRUCTION	100%	Tue 2/8/22	Tue 11/28/23																																				
D22042	CLOSEOUT	26%	Wed 11/29/23	Fri 11/29/24																																				
D22080	DRG Clarifier 4-6 Mechanism Update	57%	Sat 5/1/21	Tue 8/12/25																																				
D22080	DESIGN	100%	Thu 5/6/21	Thu 10/12/23																																				

CD - \$25M AM

Project Progress

Project Line

Data Date: 2/8/24

Percent complete is calculated based on phase duration.

**SECOND AMENDED CONSENT DECREE
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Figure 7.1. Asset Management Schedule

Budget ID	Task Name	% Complete	Start	Finish	Qtr 3, 2023			Qtr 4, 2023			Qtr 1, 2024			Qtr 2, 2024								
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun						
D22080	CONSTRUCTION	0%	Wed 2/14/24	Mon 8/12/24																		
D22098	CCWQTC Re-ratio to 9_0 MGD	51%	Fri 10/1/21	Fri 4/10/26																		
D22098	CONSTRUCTION	43%	Thu 3/9/23	Thu 4/10/25																		
D22102	MFWQTC Centrifuge Repair	100%	Fri 10/8/21	Thu 8/31/23																		
D22102	CLOSEOUT	100%	Wed 8/31/22	Thu 8/31/23																		
D22122	MFWQTC MEB Boiler Replacement	58%	Wed 12/1/21	Sat 2/22/25																		
D22122	CONSTRUCTION PERIOD	96%	Mon 8/1/22	Fri 2/23/24																		
D22122	CLOSEOUT	0%	Fri 2/23/24	Sat 2/22/25																		
D22175	HCWQTC Spare Parts Pole Barn	100%	Fri 2/25/22	Sat 12/30/23																		
D22175	CLOSEOUT	100%	Wed 11/30/22	Sat 12/30/23																		
D22178	SWPS Bar Screen Evaluation	100%	Fri 4/1/22	Fri 8/4/23																		
D22178	CLOSEOUT	100%	Tue 5/30/23	Fri 8/4/23																		
D22186	MFWQTC Computer Room Upgrades	52%	Thu 3/31/22	Thu 6/26/25																		
D22186	CONSTRUCTION	70%	Thu 5/4/23	Tue 5/28/24																		
D22186	CLOSEOUT	0%	Tue 5/28/24	Thu 6/26/25																		
D22187	FFWQTC Tertiary Treatment Bldgs Roof Replacement	76%	Thu 3/31/22	Tue 9/3/24																		
D22187	CONSTRUCTION	100%	Fri 1/13/23	Fri 8/11/23																		
D22187	CLOSEOUT	55%	Fri 8/11/23	Tue 9/3/24																		
D22209	DRG Centrifuge Maintenance Platforms	100%	Thu 4/28/22	Sat 9/30/23																		
D22209	CLOSEOUT	100%	Sat 6/3/23	Sat 9/30/23																		
D22211	MFWQTC Secondary Improvements (Design Definition Memorandum)	90%	Fri 4/29/22	Mon 2/26/24																		
D22211	DESIGN	95%	Mon 7/18/22	Sat 1/27/24																		
D22211	CLOSEOUT	0%	Sat 1/27/24	Mon 2/26/24																		
D22213	CCWQTC Tertiary Filtration	51%	Wed 11/3/21	Thu 8/7/25																		
D22213	DESIGN	100%	Mon 5/23/22	Mon 11/13/23																		
D22213	CONSTRUCTION	0%	Wed 2/14/24	Fri 5/9/25																		
D23159	CCWQTC Maintenance Offices Roof Replacement	36%	Mon 1/2/23	Wed 6/4/25																		
D23159	DESIGN	97%	Fri 3/31/23	Mon 2/5/24																		

CD - \$25M AM

Project Progress ██████████ Project Line ██████████

Data Date: 2/8/24

Percent complete is calculated based on phase duration.

Figure 7.1. Asset Management Schedule

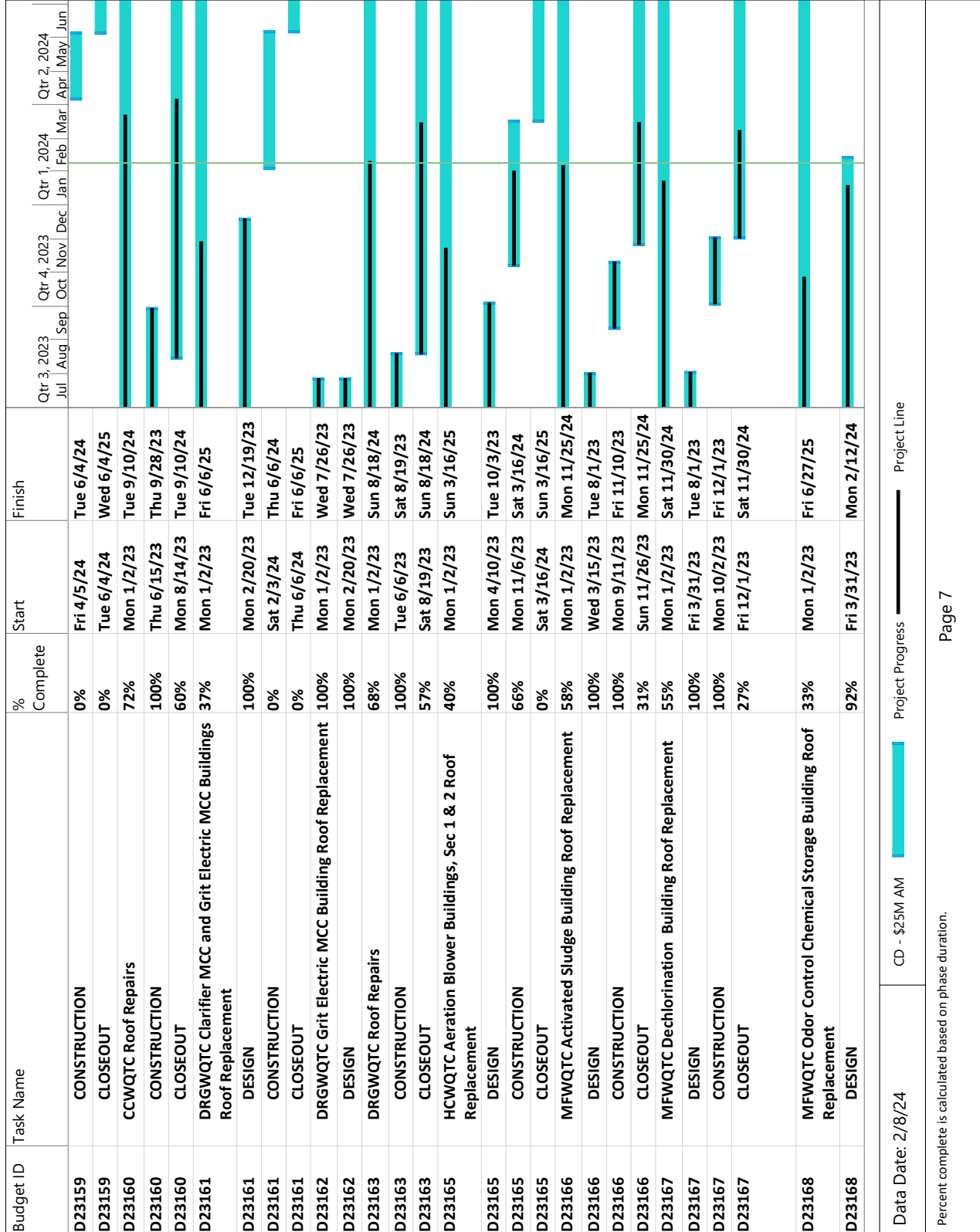


Figure 7.1. Asset Management Schedule



Figure 7.1. Asset Management Schedule

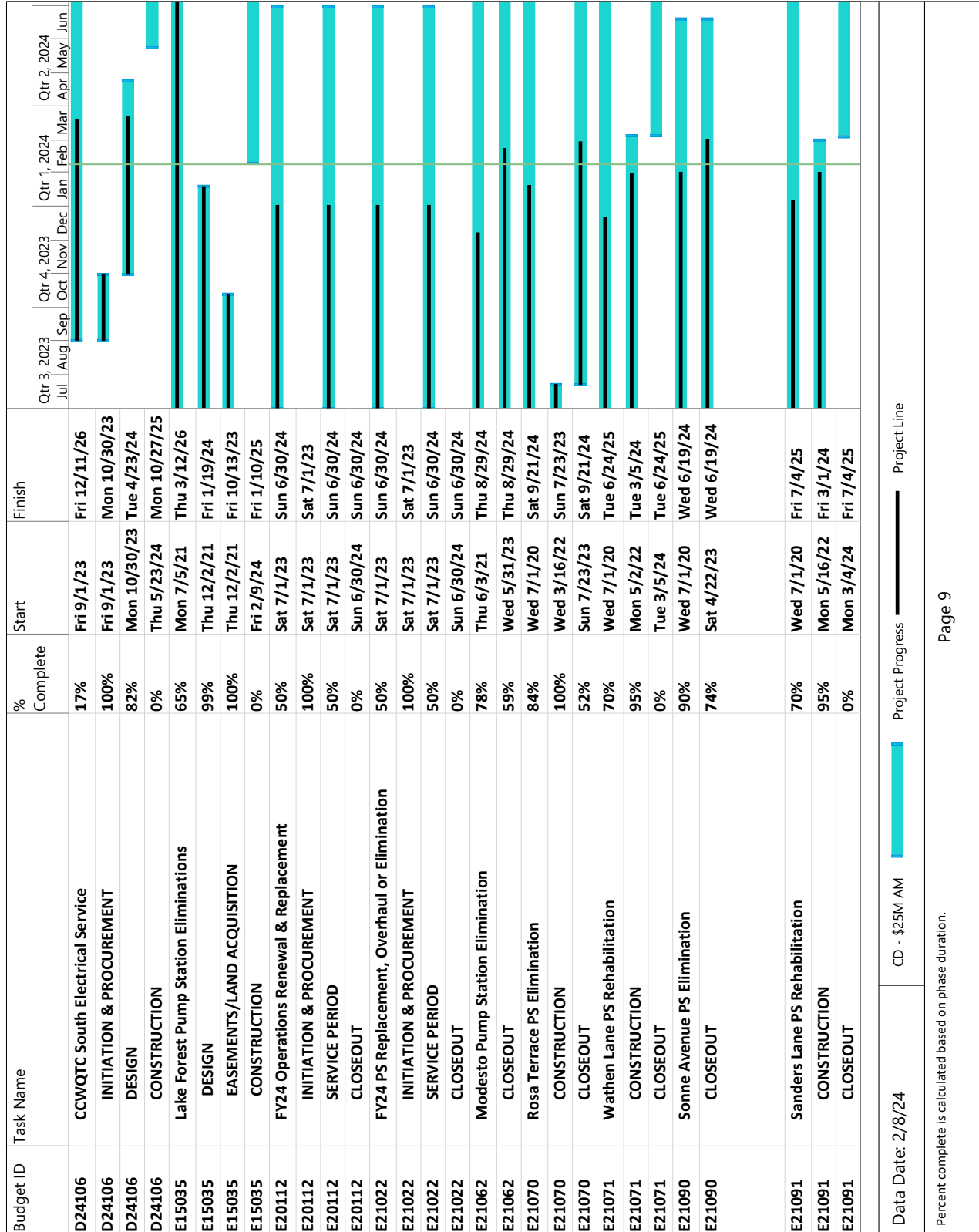
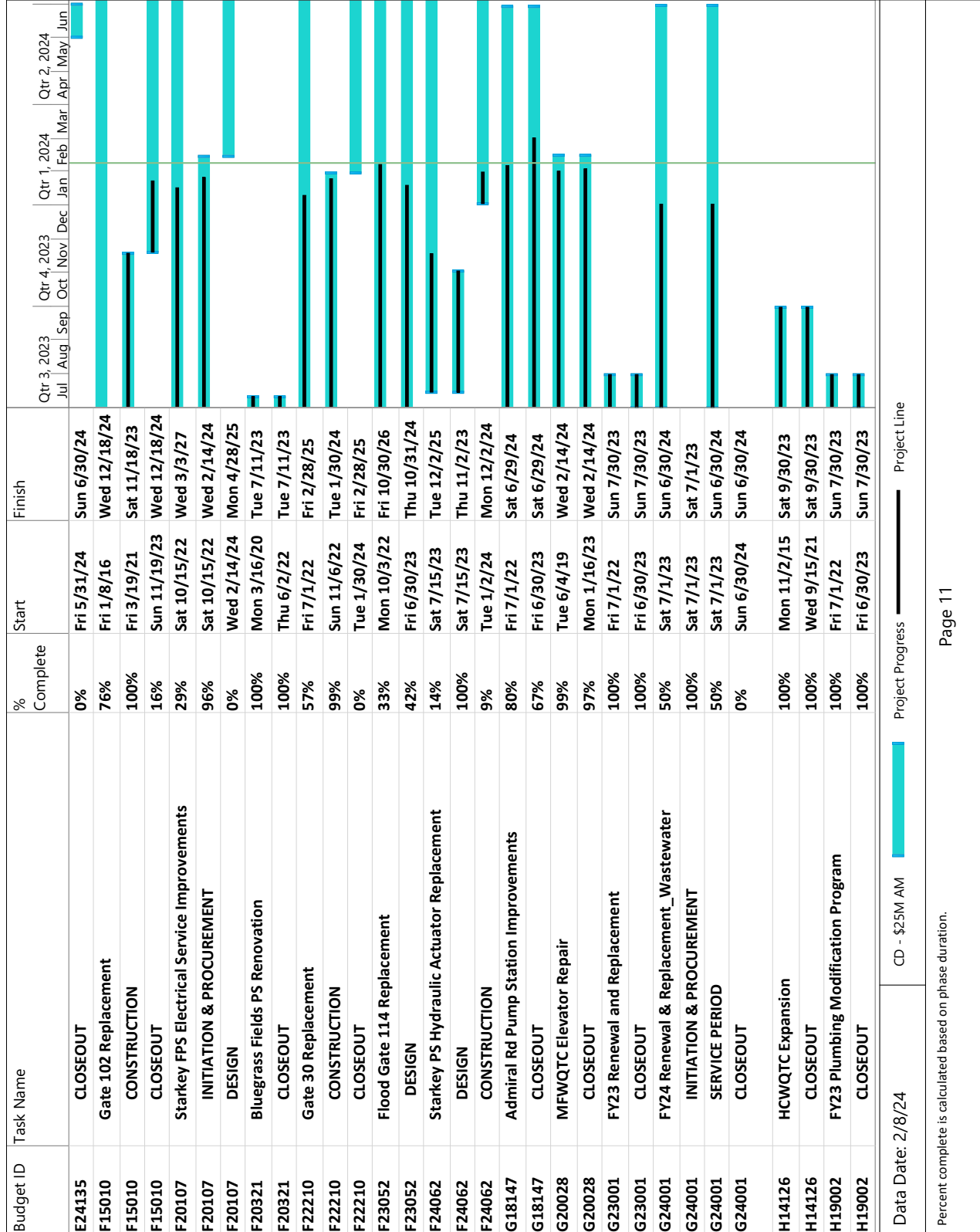


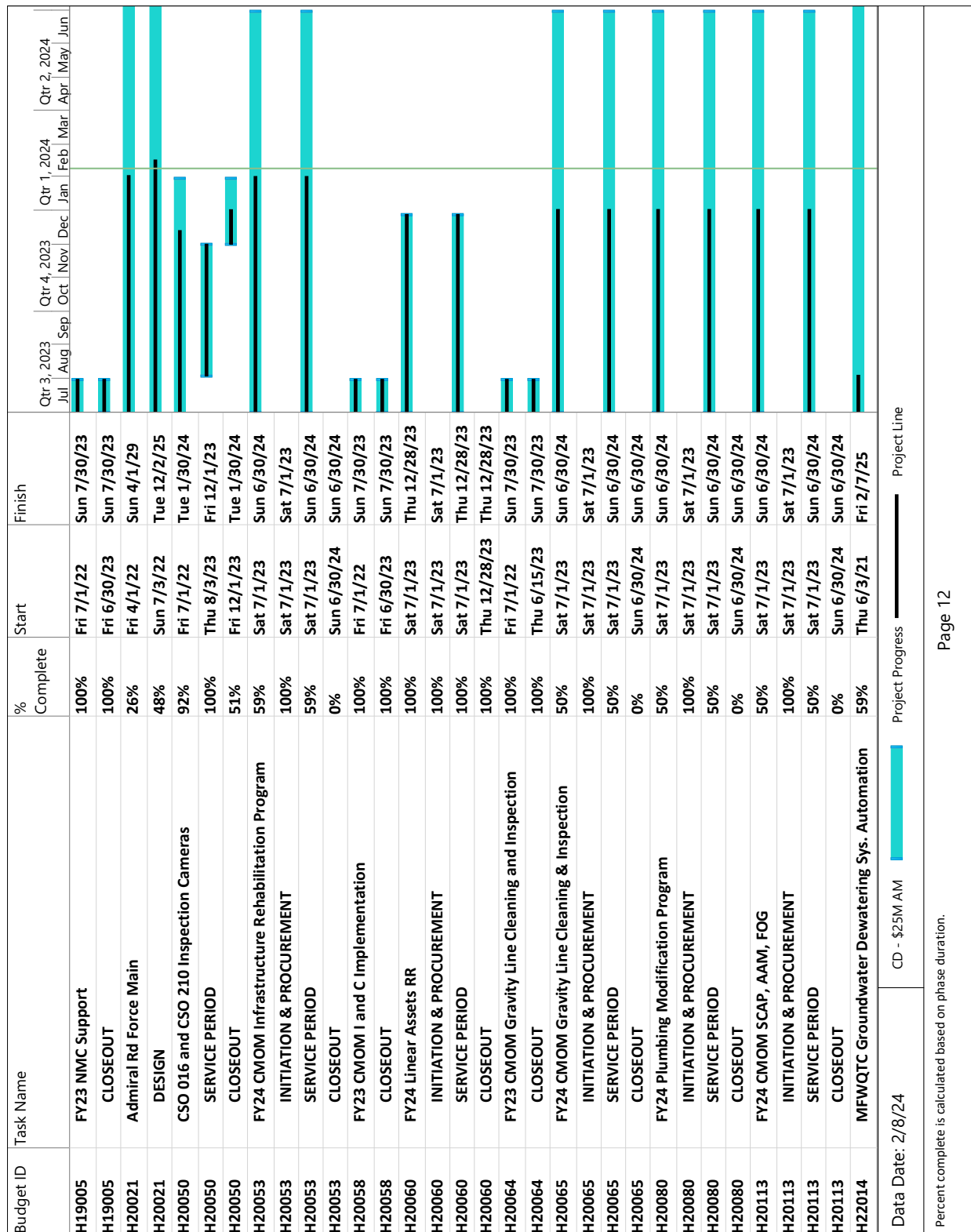
Figure 7.1. Asset Management Schedule



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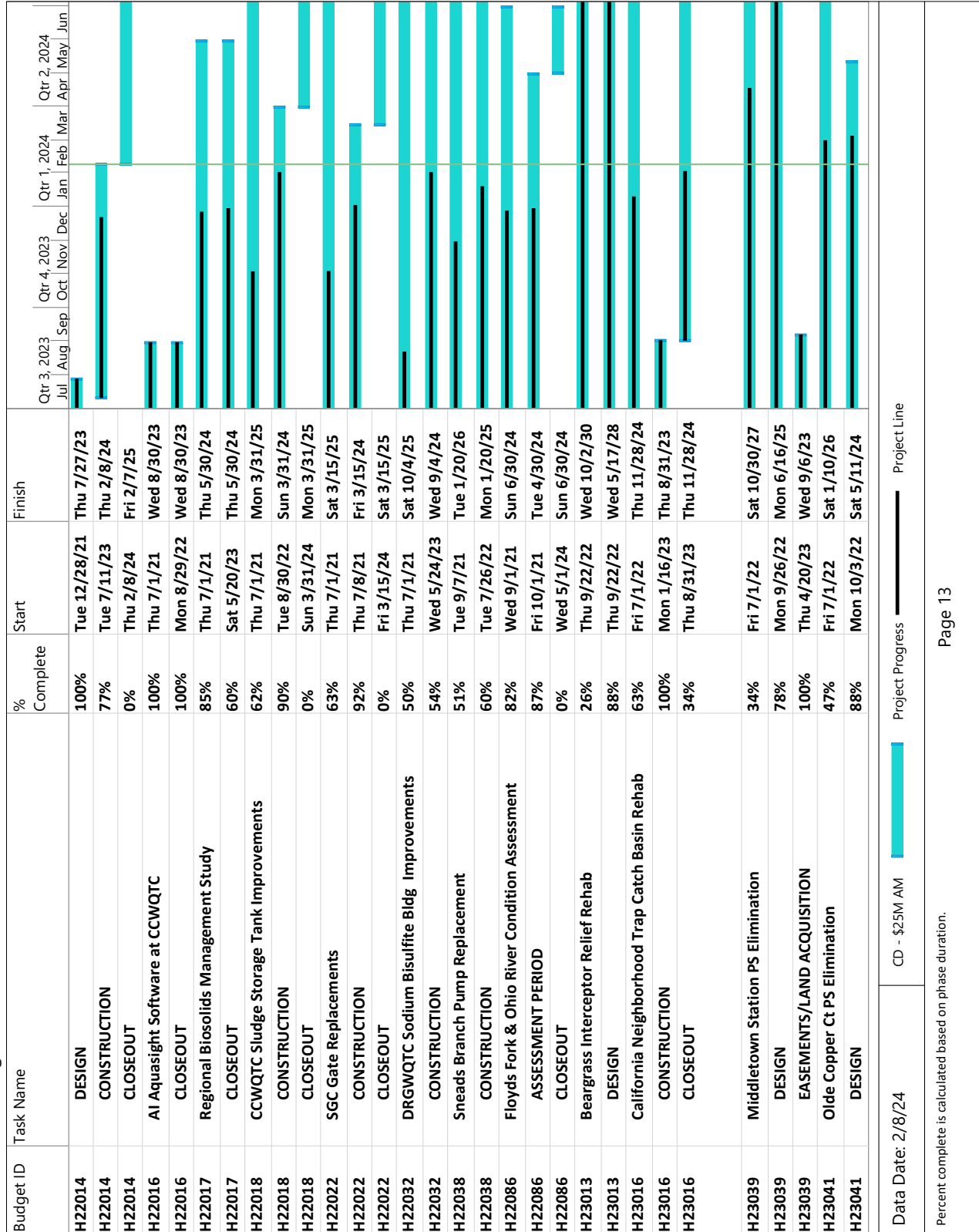
Figure 7.1. Asset Management Schedule





**SECOND AMENDED CONSENT DECREE
MID-YEAR STATUS REPORT FY24
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Figure 7.1. Asset Management Schedule



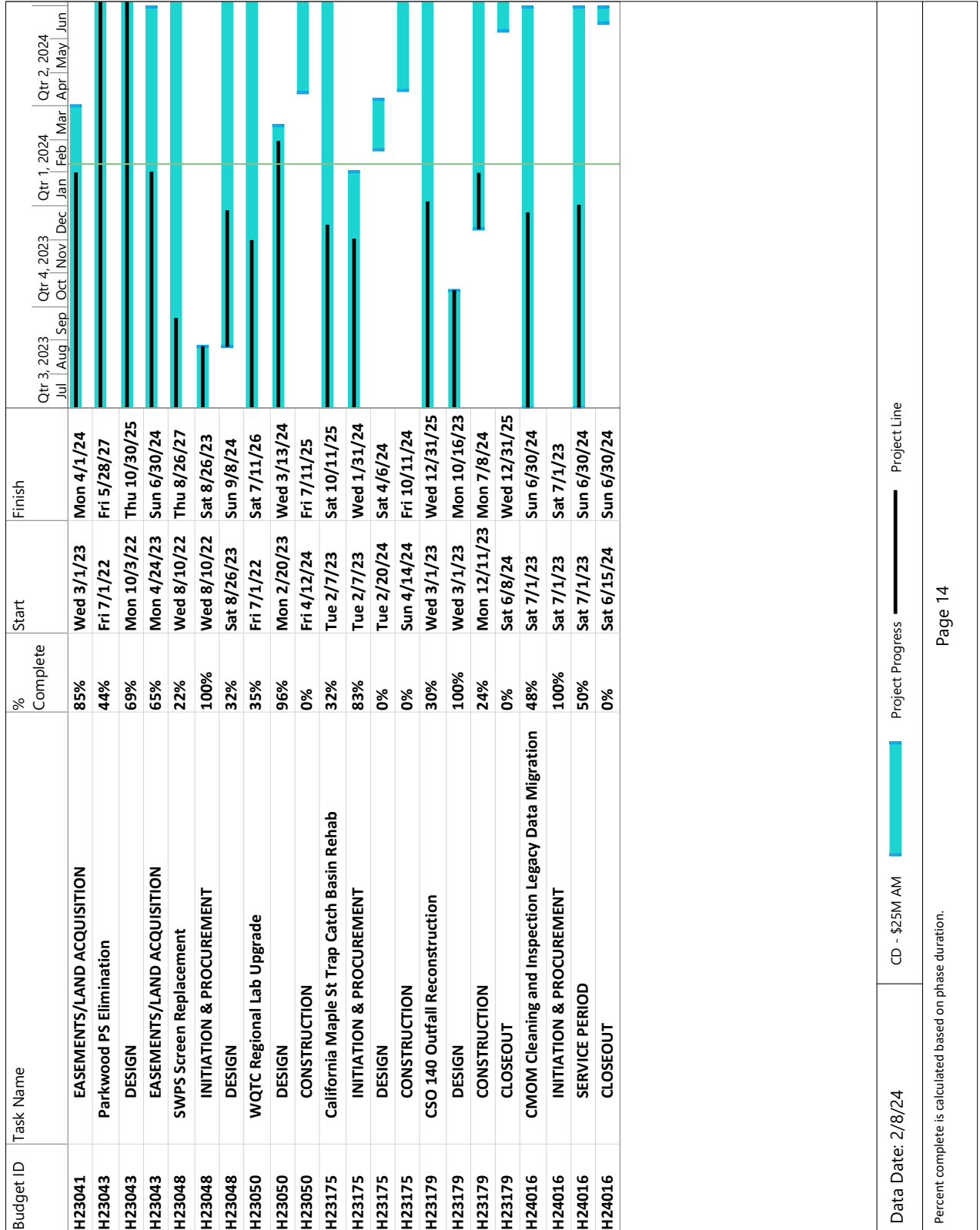
Data Date: 2/8/24 CD - \$25M AM █ Project Progress █ Project Line

Percent complete is calculated based on phase duration.

**SECOND AMENDED CONSENT DECREE
 MID-YEAR STATUS REPORT FY24
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Figure 7.1. Asset Management Schedule



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APPENDIX A

AUTHORIZED DISCHARGES - WET WEATHER CSOs

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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (IN)	DISCHARGE PER RAIN (GAL/IN)	FREQUENCY (YR)	PERIOD (HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
CSO015	7/8/2023 18:15	7/8/2023 21:15	180	2	21,748,406	9	1	Alias		44,584,233	1
	7/18/2023 18:15	7/18/2023 19:45	90	1	46,360,404	0	1	Alias		32,962,248	1
	9/28/2023 4:45	9/28/2023 6:15	90	0	26,502,156	0	6	Alias		12,747,537	1
	10/30/2023 4:15	10/30/2023 8:15	240	2	3,089,270	1	48	Alias		6,345,360	1
	11/21/2023 2:00	11/21/2023 6:30	270	1	25,698,527	0	3	Alias		19,607,976	1
	12/9/2023 16:30	12/9/2023 23:15	405	1	26,844,335	0	3	Alias		20,133,251	1
CSO015 Total										136,380,605	6
CSO016	7/1/2023 10:45	7/1/2023 19:00	495	1	23,546,990	1	1	Alias		15,870,671	1
	7/2/2023 6:00	7/2/2023 23:15	1035	1	25,301,149	0	24	Alias		13,662,621	1
	7/8/2023 18:00	7/9/2023 5:30	690	2	8,244,553	20	1	Alias		19,885,862	1
	7/18/2023 18:45	7/19/2023 2:00	435	1	26,941,488	0	1	Alias		14,278,989	1
	8/3/2023 7:45	8/3/2023 17:15	570	1	28,754,136	0	6	Alias		17,942,581	1
	8/7/2023 2:30	8/8/2023 7:45	1755	1	57,195,110	0	3	Alias		42,839,137	1
	8/9/2023 21:30	8/10/2023 0:15	165	0	4,328,648	0	1	Alias		1,203,364	1
	8/12/2023 10:15	8/12/2023 18:15	480	0	50,682,081	0	1	Alias		15,863,491	1
	8/14/2023 8:15	8/14/2023 21:45	810	1	26,608,095	0	3	Alias		14,128,899	1
	8/25/2023 19:45	8/26/2023 13:15	1050	0	145,917,253	0	12	Alias		34,728,306	1
	9/28/2023 1:45	9/28/2023 15:00	795	1	42,594,578	0	6	Alias		22,276,964	1
	10/19/2023 20:15	10/19/2023 23:00	165	1	1,635,342	0	1	Alias		860,190	1
	10/28/2023 19:00	10/29/2023 10:30	930	2	9,037,126	1	48	Alias		18,950,854	1
	10/30/2023 0:00	10/30/2023 16:30	990	2	17,749,945	1	48	Alias		37,221,634	1
	11/21/2023 1:15	11/21/2023 20:15	1140	1	49,038,271	0	3	Alias		36,974,857	1
	12/9/2023 16:30	12/10/2023 3:00	630	1	32,156,552	0	3	Alias		22,959,778	1
	12/25/2023 13:15	12/26/2023 0:30	675	1	29,956,918	0	12	Alias		16,026,951	1
CSO016 Total										345,675,149	17
CSO019	7/1/2023 10:30	7/1/2023 16:30	360	0	4,982,583	0	1	Alias		2,416,553	1
	7/8/2023 18:00	7/9/2023 1:15	435	1	3,262,779	1	1	Alias		3,598,945	1
	8/3/2023 7:45	8/3/2023 11:45	240	1	2,094,478	0	1	Alias		1,692,338	1
	8/7/2023 3:15	8/7/2023 19:00	945	2	6,087,947	1	3	Alias		9,917,266	1
	8/12/2023 10:00	8/12/2023 17:30	450	0	5,357,590	0	1	Alias		1,896,587	1
	8/25/2023 19:45	8/26/2023 8:00	735	1	3,715,111	1	3	Alias		4,621,598	1
	9/28/2023 1:30	9/28/2023 14:30	780	1	1,880,190	1	6	Alias		2,032,485	1
	10/30/2023 1:15	10/30/2023 14:45	810	2	1,312,598	1	3	Alias		2,780,083	1
CSO019 Total										28,955,754	8



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CSO020	7/1/2023 10:45	7/1/2023 11:15	30	1	117,760	1	1	Alias		74,660	1
	8/7/2023 2:30	8/7/2023 5:30	180	1	890,030	1	3	Alias		1,254,053	1
	8/25/2023 20:15	8/25/2023 22:45	150	2	767,601	1	3	Alias		1,194,387	1
	9/28/2023 5:30	9/28/2023 6:15	45	1	17,678	1	6	Alias		17,289	1
	10/30/2023 1:45	10/30/2023 4:45	180	2	269,522	1	48	Alias		506,588	1
	11/21/2023 1:45	11/21/2023 3:30	105	1	158,622	0	6	Alias		138,953	1
	12/9/2023 16:00	12/9/2023 19:45	225	1	643,600	0	3	Alias		507,157	1
CSO020 Total										3,695,086	7
CSO022	7/1/2023 11:30	7/1/2023 11:45	15	1	686,779	1	1	Alias		422,369	1
	7/8/2023 19:15	7/8/2023 19:45	30	1	1,009,161	0	1	Alias		754,852	1
	8/7/2023 3:15	8/7/2023 5:15	120	1	762,290	1	3	Alias		1,096,173	1
	8/12/2023 10:45	8/12/2023 11:15	30	0	1,585,578	0	1	Alias		749,978	1
	8/25/2023 19:00	8/25/2023 22:00	180	2	1,413,802	1	3	Alias		2,558,982	1
	12/9/2023 16:00	12/9/2023 16:15	15	1	571,326	0	3	Alias		405,641	1
CSO022 Total										5,987,996	6
CSO023	8/25/2023 21:30	8/25/2023 21:45	15	2	84,551	1	3	Alias		153,038	1
CSO023 Total										153,038	1
CSO027	8/25/2023 18:15	8/25/2023 20:45	150	2	1,575	1	3	Alias		2,547	1
CSO027 Total										2,547	1
CSO028	7/1/2023 10:30	7/1/2023 10:45	15	0	31,912	0	1	Alias		13,499	1
	7/8/2023 18:15	7/8/2023 18:45	30	1	22,874	1	1	Alias		24,475	1
	8/7/2023 4:00	8/7/2023 4:15	15	1	6,176	0	3	Alias		7,671	1
	8/12/2023 10:00	8/12/2023 10:15	15	1	5,838	0	1	Alias		3,275	1
	8/25/2023 18:00	8/25/2023 21:00	180	2	63,968	0	3	Alias		103,437	1
	12/9/2023 16:00	12/9/2023 16:15	15	1	13,544	0	3	Alias		11,566	1
CSO028 Total										163,923	6
CSO029	7/8/2023 18:15	7/8/2023 18:45	30	1	239,823	0	1	Alias		256,611	1
	8/7/2023 3:45	8/7/2023 4:00	15	1	599	1	3	Alias		744	1
	8/12/2023 9:45	8/12/2023 10:00	15	1	42,086	0	1	Alias		23,610	1
	8/25/2023 20:00	8/25/2023 20:45	45	2	36,178	1	3	Alias		58,500	1
	12/9/2023 16:00	12/9/2023 16:15	15	1	4,689	0	3	Alias		4,004	1
CSO029 Total										343,470	5
CSO031	7/8/2023 18:30	7/8/2023 18:45	15	1	398	1	1	Alias		426	1
	8/7/2023 4:00	8/7/2023 4:15	15	1	-	1	3	Alias		-	1

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	8/12/2023 10:00	8/12/2023 10:15	15	1	1,636	0	1	Alias		918	1
	8/25/2023 18:00	8/25/2023 20:45	165	2	172	1	3	Alias		278	1
	10/29/2023 21:00	10/29/2023 21:15	15	2	6	1	48	Alias		11	1
	10/30/2023 5:45	10/30/2023 8:30	165	2	44	1	48	Alias		84	1
CSO031 Total										1,718	6
CSO034	7/11/2023 10:30	7/11/2023 10:45	15	0	110,672	0	1	Alias		46,814	1
	7/8/2023 18:15	7/8/2023 18:30	15	1	91,297	1	1	Alias		97,688	1
	8/7/2023 4:00	8/7/2023 4:15	15	1	19,438	0	3	Alias		24,142	1
	8/12/2023 10:00	8/12/2023 10:15	15	1	13,792	0	1	Alias		7,738	1
	8/25/2023 18:00	8/25/2023 21:00	180	2	103,343	1	3	Alias		167,105	1
	12/9/2023 16:00	12/9/2023 16:15	15	1	61,294	0	3	Alias		52,345	1
CSO034 Total										395,831	6
CSO036	7/8/2023 18:30	7/8/2023 18:45	15	1	26,398	1	1	Alias		24,233	1
	8/7/2023 2:30	8/7/2023 4:30	120	1	30,060	1	3	Alias		36,133	1
	8/12/2023 10:15	8/12/2023 10:30	15	1	28,839	0	1	Alias		15,083	1
	8/25/2023 20:45	8/25/2023 21:15	30	2	40,270	2	3	Alias		78,930	1
	12/9/2023 16:15	12/9/2023 16:30	15	1	8,816	1	3	Alias		8,252	1
CSO036 Total										162,631	5
CSO038	7/8/2023 18:30	7/8/2023 18:45	15	1	216	1	1	Alias		232	1
	8/7/2023 2:15	8/7/2023 4:15	120	1	7,886	0	3	Alias		9,794	1
	8/25/2023 20:15	8/25/2023 20:45	30	2	1,959	1	3	Alias		3,168	1
	12/9/2023 16:00	12/9/2023 16:15	15	1	3,575	0	3	Alias		3,053	1
CSO038 Total										16,247	4
CSO051	7/11/2023 10:15	7/11/2023 10:45	30	1	36,042	1	1	Alias		23,968	1
	8/12/2023 9:45	8/12/2023 10:00	15	0	53,978	0	1	Alias		24,236	1
	8/25/2023 20:30	8/25/2023 20:45	15	2	36,215	1	3	Alias		64,679	1
CSO051 Total										112,884	3
CSO054	7/8/2023 18:45	7/8/2023 20:00	75	1	172,173	1	1	Alias		144,453	1
	8/7/2023 3:30	8/7/2023 5:00	90	1	101,050	1	3	Alias		141,975	1
	12/9/2023 18:15	12/9/2023 18:45	30	1	8,801	0	3	Alias		6,117	1
CSO054 Total										292,545	3
CSO055	7/11/2023 12:45	7/11/2023 13:15	30	1	8,286	1	1	Alias		5,486	1
	7/2/2023 17:15	7/2/2023 17:30	15	0	10,397	0	1	Alias		1,591	1
	7/8/2023 11:45	7/8/2023 19:45	480	1	75,745	1	1	Alias		63,550	1



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	7/18/2023 18:00	7/18/2023 18:15	15	1	45	0	1	Atlas		24	1
	8/3/2023 7:45	8/3/2023 8:00	15	1	15,905	0	1	Atlas		11,659	1
	8/9/2023 20:15	8/9/2023 20:30	15	0	982	0	1	Atlas		245	1
	8/12/2023 10:00	8/12/2023 10:15	15	0	9,873	0	1	Atlas		4,611	1
	8/25/2023 20:00	8/25/2023 22:45	165	2	300,236	2	3	Atlas		580,957	1
	9/28/2023 1:30	9/28/2023 6:15	285	1	43,393	0	6	Atlas		39,227	1
	10/28/2023 18:00	10/28/2023 18:15	15	2	726	0	48	Atlas		1,337	1
	10/30/2023 1:00	10/30/2023 7:15	375	2	295,514	0	48	Atlas		544,042	1
CSO055 Total										1,252,728	11
CSO058	12/17/2023 13:20	12/17/2023 13:35	15	0	2,942,796	0	12	Atlas		868,125	1
CSO058 Total										868,125	1
CSO062	8/7/2023 4:15	8/7/2023 4:45	30	1	885,328	0	3	Atlas		1,247,427	1
	8/25/2023 20:45	8/25/2023 21:30	45	2	1,656,893	0	3	Atlas		2,578,125	1
CSO062 Total										3,825,552	2
CSO083	7/1/2023 10:45	7/1/2023 11:00	15	0	52,813	0	1	Atlas		20,439	1
	8/7/2023 3:30	8/7/2023 4:30	60	1	2,682	0	3	Atlas		2,703	1
	8/12/2023 10:15	8/12/2023 10:30	15	0	218	0	1	Atlas		103	1
	8/25/2023 20:30	8/25/2023 21:00	30	2	17,064	2	3	Atlas		35,067	1
CSO083 Total										58,313	4
CSO084	10/20/2023 4:00	10/20/2023 4:15	15	0	2,981,270	0	24	Atlas		1,335,609	1
CSO084 Total										1,335,609	1
CSO088	8/7/2023 4:15	8/7/2023 4:30	15	1	470	1	3	Atlas		667	1
CSO088 Total										667	1
CSO091	7/1/2023 10:15	7/1/2023 10:45	30	0	2,533	0	1	Atlas		889	1
	10/30/2023 0:30	10/30/2023 0:45	15	2	19	1	48	Atlas		33	1
CSO091 Total										922	2
CSO092	7/1/2023 10:30	7/1/2023 10:45	15	0	101	0	1	Atlas		35	1
	7/2/2023 17:00	7/2/2023 17:15	15	0	86	0	1	Atlas		26	1
	7/8/2023 18:15	7/8/2023 18:30	15	1	143	1	1	Atlas		130	1
	7/18/2023 17:45	7/18/2023 18:00	15	0	8	0	1	Atlas		4	1
	8/7/2023 2:15	8/7/2023 3:30	75	1	213	0	3	Atlas		155	1
	8/12/2023 10:00	8/12/2023 10:15	15	1	22	0	1	Atlas		12	1
	8/25/2023 18:15	8/25/2023 20:45	150	2	280	2	3	Atlas		587	1

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CSO092 Total										949	7
CSO097	7/8/2023 18:15	7/8/2023 18:45	30	1	13,492	1	1	Alias		11,967	1
	8/25/2023 20:00	8/25/2023 21:15	75	2	71,348	2	3	Alias		153,897	1
CSO097 Total										165,865	2
CSO105	7/8/2023 18:00	7/8/2023 21:45	225	2	9,975,088	4	1	Alias		18,423,987	1
CSO105 Total										18,423,987	1
CSO108	8/25/2023 20:15	8/25/2023 20:30	15	2	6,731	1	3	Alias		12,688	1
CSO108 Total										12,688	1
CSO109	7/1/2023 10:45	7/1/2023 11:00	15	1	165,578	0	1	Alias		88,087	1
	7/2/2023 17:15	7/2/2023 17:30	15	0	180,095	0	1	Alias		77,981	1
	7/8/2023 18:30	7/8/2023 18:45	15	1	62,325	1	1	Alias		55,406	1
	7/18/2023 18:00	7/18/2023 18:15	15	1	14,344	0	1	Alias		11,446	1
	7/24/2023 19:15	7/25/2023 1:45	390	0	25,571	0	1	Alias		7,160	1
	8/7/2023 17:30	8/7/2023 17:45	15	0	43,538	0	1	Alias		18,416	1
	8/12/2023 10:15	8/12/2023 10:30	15	0	28,886	0	1	Alias		13,201	1
	8/25/2023 19:45	8/26/2023 2:15	390	2	85,060	2	3	Alias		177,860	1
CSO109 Total										449,558	8
CSO110	7/1/2023 10:15	7/1/2023 11:00	45	0	228,267	0	1	Alias		92,448	1
	7/2/2023 17:00	7/2/2023 17:30	30	0	329,334	0	1	Alias		118,231	1
	7/8/2023 17:45	7/8/2023 19:00	75	1	365,626	1	1	Alias		367,820	1
	7/24/2023 19:00	7/24/2023 19:30	30	0	288,919	0	1	Alias		62,406	1
	8/7/2023 2:00	8/7/2023 4:15	135	1	122,742	0	3	Alias		73,032	1
	8/7/2023 17:00	8/7/2023 17:45	45	0	416,473	0	1	Alias		181,166	1
	8/12/2023 9:45	8/12/2023 10:30	45	1	187,473	1	1	Alias		110,609	1
	8/25/2023 18:00	8/25/2023 21:15	195	2	674,360	2	3	Alias		1,430,991	1
CSO110 Total										2,436,704	8
CSO111	7/1/2023 10:30	7/1/2023 10:45	15	0	27,617	0	1	Alias		11,185	1
	7/8/2023 18:15	7/8/2023 18:45	30	1	318	1	1	Alias		319	1
	7/24/2023 19:00	7/24/2023 19:15	15	0	8,963	0	1	Alias		1,936	1
	8/7/2023 2:00	8/7/2023 4:15	135	1	39,890	0	3	Alias		23,735	1
	8/7/2023 17:00	8/7/2023 17:30	30	0	64,161	0	1	Alias		27,910	1
	8/12/2023 9:45	8/12/2023 10:15	30	1	267,820	1	1	Alias		158,014	1
CSO111 Total										223,099	6
CSO113	7/1/2023 10:30	7/1/2023 10:45	15	0	105,428	0	1	Alias		37,005	1



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	7/2/2023 17:00	7/2/2023 17:15	15	0	5,217	0	1	Alias		1,555	1
	7/8/2023 18:00	7/8/2023 18:45	45	1	74,862	0	1	Alias		68,274	1
	7/24/2023 19:00	7/24/2023 19:15	15	0	9,676	0	1	Alias		1,055	1
	8/7/2023 2:00	8/7/2023 4:15	135	1	67,584	0	3	Alias		49,201	1
	8/12/2023 9:45	8/12/2023 10:15	30	1	110,893	0	1	Alias		61,768	1
	8/25/2023 18:15	8/25/2023 21:00	165	2	158,598	2	3	Alias		332,422	1
	12/9/2023 15:45	12/9/2023 16:30	45	1	171,589	1	1	Alias		179,311	1
CSO113 Total										730,590	8
CSO117	7/8/2023 18:15	7/8/2023 19:00	45	1	629,077	1	1	Alias		526,538	1
	8/7/2023 4:00	8/7/2023 4:15	15	1	76,561	1	3	Alias		86,055	1
	8/12/2023 9:45	8/12/2023 10:15	30	1	234,014	0	1	Alias		117,475	1
	8/25/2023 20:00	8/26/2023 7:15	675	2	1,625,973	2	3	Alias		3,378,771	1
	12/9/2023 16:00	12/9/2023 16:30	30	1	310,985	1	3	Alias		313,473	1
CSO117 Total										4,422,312	5
CSO118	10/14/2023 2:30	10/14/2023 5:15	165	0	547,158,960	0	3	Alias		72,772,142	1
CSO118 Total										72,772,142	1
CSO119	8/7/2023 3:45	8/7/2023 4:15	30	1	2,823	1	3	Alias		2,846	1
	8/12/2023 9:45	8/12/2023 10:15	30	0	5,017	0	1	Alias		2,383	1
	8/25/2023 20:00	8/25/2023 21:15	75	2	7,697	2	3	Alias		15,817	1
	12/9/2023 16:00	12/9/2023 18:45	165	1	122,752	1	1	Alias		131,836	1
CSO119 Total										152,881	4
CSO120	8/7/2023 3:45	8/7/2023 4:00	15	1	1,309	1	3	Alias		1,694	1
	8/12/2023 9:45	8/12/2023 10:15	30	0	6,522	0	1	Alias		2,792	1
	8/25/2023 20:15	8/25/2023 20:45	30	2	2,989	1	3	Alias		5,614	1
CSO120 Total										10,099	3
CSO121	7/1/2023 10:15	7/1/2023 11:00	45	1	35,182	0	1	Alias		18,259	1
	7/8/2023 18:15	7/8/2023 18:45	30	1	49,573	0	1	Alias		33,809	1
	8/7/2023 2:00	8/7/2023 4:30	150	1	16,506	0	3	Alias		21,359	1
	8/12/2023 10:00	8/12/2023 10:30	30	0	16,423	0	1	Alias		7,029	1
	8/25/2023 18:00	8/25/2023 21:15	195	2	11,601	1	3	Alias		21,787	1
	12/9/2023 16:15	12/9/2023 18:30	135	1	12,164	1	3	Alias		11,434	1
CSO121 Total										113,677	6
CSO125	8/25/2023 19:15	8/25/2023 20:00	45	1	230,642	1	3	Alias		308,369	1
CSO125 Total										308,369	1

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CSO126	8/7/2023 4:15	8/7/2023 4:30	15	1	1,426	1	3	Alias		1,231	1
	8/25/2023 19:45	8/25/2023 21:15	90	1	33,574	1	3	Alias		44,888	1
	9/28/2023 5:45	9/28/2023 6:00	15	1	17,942	1	6	Alias		16,865	1
	10/30/2023 1:00	10/30/2023 3:30	150	2	56,157	1	48	Alias		96,253	1
	12/9/2023 16:00	12/9/2023 16:30	30	1	74,528	1	1	Alias		81,534	1
CSO126 Total										240,772	5
CSO131	7/11/2023 11:00	7/11/2023 11:15	15	1	34,080	1	1	Alias		23,481	1
	7/8/2023 18:45	7/8/2023 19:00	15	1	23,541	0	1	Alias		13,207	1
	8/25/2023 20:45	8/25/2023 21:30	45	1	60,556	0	3	Alias		88,351	1
	9/28/2023 6:00	9/28/2023 6:15	15	1	24,706	1	6	Alias		25,348	1
	10/28/2023 18:15	10/28/2023 18:30	15	2	12,388	1	48	Alias		23,178	1
CSO131 Total										173,565	5
CSO132	7/11/2023 10:30	7/11/2023 11:00	30	1	1,785,355	1	1	Alias		1,247,963	1
	7/18/2023 18:00	7/18/2023 18:30	30	1	2,349	0	1	Alias		1,771	1
	8/7/2023 2:00	8/7/2023 4:30	150	1	1,007,888	1	3	Alias		1,280,018	1
	8/12/2023 10:00	8/12/2023 10:15	15	0	186,231	0	1	Alias		62,760	1
	8/25/2023 19:15	8/25/2023 21:30	135	1	1,072,984	1	3	Alias		1,456,039	1
	9/27/2023 1:00	9/27/2023 1:15	15	0	10,041	0	1	Alias		1,687	1
	9/28/2023 5:30	9/28/2023 6:00	30	1	254,939	1	6	Alias		256,214	1
	12/9/2023 15:45	12/9/2023 16:45	60	1	1,029,121	1	1	Alias		970,461	1
CSO132 Total										5,276,912	8
CSO140	8/25/2023 22:00	8/25/2023 22:15	15	2	7	1	3	Alias		12	1
CSO140 Total										12	1
CSO141	7/11/2023 10:30	7/11/2023 11:00	30	1	29,043	0	1	Alias		15,073	1
	8/7/2023 2:15	8/7/2023 4:30	135	1	14,188	1	3	Alias		18,360	1
	8/12/2023 10:00	8/12/2023 11:15	75	0	31,246	0	1	Alias		13,373	1
	8/25/2023 18:15	8/25/2023 21:15	180	2	11,710	1	3	Alias		21,992	1
	9/27/2023 1:00	9/27/2023 1:15	15	0	302	0	1	Alias		28	1
	9/28/2023 0:15	9/28/2023 6:00	345	1	1,557	0	6	Alias		1,280	1
	12/9/2023 16:00	12/9/2023 18:30	150	1	4,513	1	3	Alias		4,243	1
CSO141 Total										74,348	7
CSO142	7/11/2023 10:45	7/11/2023 11:00	15	0	43,082	0	1	Alias	Retained by Sneads Branch.	14,045	1
	7/2/2023 17:15	7/2/2023 17:30	15	0	34,145	0	1	Alias	Retained by Sneads Branch.	9,322	1
	7/8/2023 18:30	7/8/2023 18:45	15	1	14,153	0	1	Alias		14,125	1



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	7/24/2023 19:15	7/24/2023 19:30	15	0	83,364	0	1	Atlas	Retained by Sneads Branch.	10,087	1
	8/7/2023 3:30	8/7/2023 4:30	60	1	5,357	0	3	Atlas	Retained by Sneads Branch.	3,911	1
	8/7/2023 17:30	8/7/2023 17:45	15	0	1,274	0	1	Atlas	Retained by Sneads Branch.	439	1
	8/12/2023 10:15	8/12/2023 10:30	15	1	9,073	1	1	Atlas	Retained by Sneads Branch.	5,562	1
	8/25/2023 18:15	8/25/2023 21:15	180	2	24,148	2	3	Atlas		49,841	1
	9/27/2023 1:15	9/27/2023 1:30	15	0	13,515	0	1	Atlas	Retained by Sneads Branch.	2,271	1
	9/28/2023 1:30	9/28/2023 1:45	15	1	5,284	0	6	Atlas	Retained by Sneads Branch.	3,139	1
	12/9/2023 16:15	12/9/2023 16:30	15	1	26,405	1	1	Atlas	Retained by Sneads Branch.	28,888	1
CSO142 Total										141,629	11
CSO144	7/11/2023 10:30	7/11/2023 10:45	15	1	131,865	0	1	Atlas		68,834	1
	8/7/2023 4:00	8/7/2023 4:15	15	1	73,040	0	3	Atlas		72,675	1
	8/25/2023 19:30	8/25/2023 19:45	15	2	32,436	1	3	Atlas		48,784	1
	12/9/2023 16:00	12/9/2023 16:15	15	1	8,974	1	1	Atlas		9,719	1
CSO144 Total										200,011	4
CSO146	7/11/2023 10:30	7/11/2023 11:15	45	0	126,812	0	1	Atlas		41,341	1
	7/2/2023 17:00	7/2/2023 17:30	30	0	53,552	0	1	Atlas		14,620	1
	7/8/2023 18:00	7/8/2023 19:00	60	1	431,775	1	1	Atlas		430,911	1
	8/7/2023 2:00	8/7/2023 4:15	135	1	56,611	0	3	Atlas		41,326	1
	8/7/2023 17:15	8/7/2023 18:00	45	0	41,439	0	1	Atlas		14,296	1
	8/12/2023 9:45	8/12/2023 10:30	45	1	166,046	1	1	Atlas		101,786	1
	8/25/2023 19:45	8/25/2023 21:15	90	2	412,877	2	3	Atlas		852,179	1
	10/30/2023 0:30	10/30/2023 1:45	75	2	20,019	0	48	Atlas		36,054	1
	12/9/2023 15:45	12/9/2023 16:45	60	1	292,181	1	1	Atlas		319,646	1
CSO146 Total										1,852,159	9
CSO148	7/11/2023 10:45	7/11/2023 11:00	15	0	78,819	0	1	Atlas		35,074	1
	7/2/2023 17:15	7/2/2023 17:30	15	0	64,966	0	1	Atlas		23,648	1
	7/8/2023 18:00	7/8/2023 18:45	45	1	47,389	1	1	Atlas		42,034	1
	7/18/2023 0:45	7/18/2023 1:00	15	1	206	0	1	Atlas		128	1
	7/18/2023 17:45	7/18/2023 18:30	45	1	51,976	0	1	Atlas		32,433	1
	7/24/2023 19:15	7/24/2023 19:30	15	0	137,640	0	1	Atlas		28,904	1
	8/3/2023 6:15	8/3/2023 8:30	135	1	29,516	0	6	Atlas		15,348	1
	8/7/2023 1:15	8/7/2023 4:15	180	1	66,948	0	3	Atlas		41,441	1
	8/7/2023 17:15	8/7/2023 17:45	30	0	35,721	0	1	Atlas		14,610	1
	8/12/2023 10:00	8/12/2023 10:15	15	1	18,299	0	1	Atlas		9,460	1
	8/25/2023 18:15	8/26/2023 2:00	465	2	60,913	2	3	Atlas		131,389	1
	9/27/2023 1:15	9/27/2023 1:30	15	0	726	0	1	Atlas		159	1

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	9/28/2023 1:30	9/28/2023 1:45	15	1	14,970	0	6	Alias		8,353	1
	10/19/2023 19:30	10/19/2023 19:45	15	0	192	0	24	Alias		76	1
	10/28/2023 23:45	10/29/2023 0:00	15	2	1,178	1	48	Alias		1,955	1
	10/30/2023 0:15	10/30/2023 3:00	165	2	10,845	1	48	Alias		18,002	1
	11/21/2023 0:00	11/21/2023 3:00	180	1	2,589	0	6	Alias		2,584	1
	12/9/2023 16:00	12/9/2023 18:45	165	1	106,000	0	3	Alias		88,934	1
CSO148 Total										494,533	18
CSO149	7/8/2023 18:15	7/8/2023 18:45	30	1	201,581	1	1	Alias		201,178	1
	8/12/2023 10:00	8/12/2023 10:30	30	1	27,193	1	1	Alias		16,669	1
	8/25/2023 20:15	8/26/2023 7:15	660	2	1,059,764	2	3	Alias		2,187,353	1
	10/27/2023 8:45	10/27/2023 9:00	15	0	1,332,806	0	1	Alias		137,279	1
	10/28/2023 1:45	10/29/2023 4:00	1575	2	1,919,056	1	48	Alias		3,456,219	1
	10/29/2023 14:45	10/30/2023 5:45	900	2	5,294,508	1	48	Alias		9,535,409	1
	11/20/2023 23:30	11/21/2023 11:00	690	1	9,805,055	0	6	Alias		9,246,167	1
	12/1/2023 3:45	12/1/2023 6:30	165	0	1,721,551	0	3	Alias		285,777	1
	12/4/2023 11:15	12/4/2023 12:30	75	0	3,601,808	0	3	Alias		619,511	1
	12/5/2023 19:00	12/5/2023 19:30	30	0	6,828,254	0	1	Alias		273,130	1
	12/9/2023 8:15	12/9/2023 16:30	495	1	1,688,724	1	1	Alias		1,847,464	1
CSO149 Total										27,806,156	11
CSO151	7/1/2023 10:30	7/1/2023 11:00	30	0	1,620,875	0	1	Alias		609,449	1
	7/2/2023 17:00	7/2/2023 17:30	30	0	1,228,249	0	1	Alias		385,670	1
	7/8/2023 18:00	7/8/2023 18:45	45	1	632,488	1	1	Alias		531,290	1
	7/18/2023 17:30	7/18/2023 18:15	45	1	1,123,712	0	1	Alias		582,083	1
	7/24/2023 19:00	7/24/2023 19:15	15	0	165,041	0	1	Alias		16,174	1
	8/9/2023 7:45	8/9/2023 8:15	30	1	6,493	0	6	Alias		3,506	1
	8/7/2023 2:00	8/7/2023 4:15	135	1	1,076,474	0	3	Alias		749,226	1
	8/7/2023 17:00	8/7/2023 17:45	45	0	419,822	0	1	Alias		135,183	1
	8/12/2023 9:45	8/12/2023 10:30	45	1	1,674,700	0	1	Alias		845,723	1
	8/25/2023 18:00	8/25/2023 21:15	195	2	2,662,513	2	3	Alias		5,511,403	1
	9/27/2023 0:45	9/27/2023 2:00	75	0	71,126	0	1	Alias		23,471	1
	9/28/2023 1:15	9/28/2023 1:45	30	1	114,279	0	6	Alias		74,053	1
	10/30/2023 0:00	10/30/2023 1:45	105	2	201,180	1	48	Alias		352,889	1
	12/9/2023 15:45	12/9/2023 16:30	45	1	778,477	1	1	Alias		749,673	1
CSO151 Total										10,569,773	14



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CSO160	8/12/2023 10:00	8/12/2023 10:15	15	0	25,667	0	1	Alias		12,551	1
CSO160 Total										12,551	1
CSO161	8/7/2023 2:15	8/7/2023 4:15	120	1	7,189	1	3	Alias		9,619	1
CSO161 Total	8/12/2023 10:00	8/12/2023 10:15	15	0	20,605	0	1	Alias		10,076	1
CSO166	8/25/2023 19:30	8/25/2023 20:00	30	2	75,437	1	3	Alias		113,156	1
CSO166 Total										113,156	1
CSO174	7/1/2023 10:45	7/1/2023 11:15	30	0	747,451	0	1	Alias	Retained by Sneads Branch.	243,669	1
	7/2/2023 17:15	7/2/2023 17:45	30	0	1,070,109	0	1	Alias	Retained by Sneads Branch.	292,140	1
	7/8/2023 18:15	7/8/2023 19:15	60	1	767,315	1	1	Alias		765,780	1
	7/18/2023 18:15	7/18/2023 18:45	30	0	3,495	0	1	Alias	Retained by Sneads Branch.	1,611	1
	7/24/2023 19:15	7/24/2023 19:45	30	0	120,919	0	1	Alias	Retained by Sneads Branch.	14,631	1
	8/3/2023 8:00	8/3/2023 8:30	30	1	39,110	0	6	Alias	Retained by Sneads Branch.	20,963	1
	8/7/2023 2:15	8/7/2023 4:15	120	1	167,357	0	3	Alias	Retained by Sneads Branch.	122,171	1
	8/7/2023 17:15	8/7/2023 18:00	45	0	150,691	0	1	Alias	Retained by Sneads Branch.	51,988	1
	8/12/2023 10:00	8/12/2023 10:30	30	1	358,179	1	1	Alias	Retained by Sneads Branch.	219,564	1
	8/25/2023 19:45	8/26/2023 2:15	390	2	709,273	2	3	Alias		1,463,939	1
	10/28/2023 23:45	10/29/2023 0:00	15	2	991	1	48	Alias	Retained by Sneads Branch.	1,784	1
	10/30/2023 0:30	10/30/2023 1:45	75	2	126,488	1	48	Alias	Retained by Sneads Branch.	227,805	1
	12/9/2023 16:00	12/9/2023 18:45	165	1	324,162	1	1	Alias		354,633	1
CSO174 Total										3,780,678	13
CSO178	7/8/2023 18:30	7/8/2023 19:15	45	1	717,631	1	1	Alias		767,865	1
	8/25/2023 20:30	8/25/2023 20:45	15	2	44,007	1	3	Alias		71,160	1
CSO178 Total										839,025	2
CSO180	7/1/2023 10:30	7/1/2023 11:00	30	0	28,495	0	1	Alias	Retained by Sneads Branch.	9,290	1
	7/2/2023 17:15	7/2/2023 17:30	15	0	2,856	0	1	Alias	Retained by Sneads Branch.	780	1
	7/8/2023 18:00	7/8/2023 18:45	45	1	111,707	1	1	Alias		111,484	1
	7/18/2023 17:45	7/18/2023 18:00	15	0	7,938	0	1	Alias	Retained by Sneads Branch.	3,660	1
	8/3/2023 8:00	8/3/2023 8:15	15	1	9,130	0	6	Alias	Retained by Sneads Branch.	4,894	1
	8/7/2023 1:15	8/7/2023 4:15	180	1	205,927	0	3	Alias	Retained by Sneads Branch.	150,327	1
	8/7/2023 17:15	8/7/2023 17:30	15	0	104,817	0	1	Alias	Retained by Sneads Branch.	36,162	1
	8/12/2023 10:00	8/12/2023 10:15	15	1	139,888	1	1	Alias	Retained by Sneads Branch.	85,751	1
	9/27/2023 1:00	9/27/2023 2:00	60	0	127,436	0	1	Alias	Retained by Sneads Branch.	21,409	1
	10/30/2023 0:45	10/30/2023 1:30	45	2	18,966	1	48	Alias	Retained by Sneads Branch.	34,157	1

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CSO180 Total	12/9/2023 16:00	12/9/2023 18:30	150	1	89,150	0	1	Atlas		97,531	1
CSO181	8/25/2023 20:15	8/25/2023 20:30	15	2	109,781	2	3	Atlas		555,444	11
CSO181 Total										215,170	1
CSO182	9/27/2023 1:15	9/27/2023 2:00	45	0	95,095	0	1	Atlas	Retained by Sneads Branch.	21,587	1
	9/28/2023 1:45	9/28/2023 5:30	225	1	173,835	0	6	Atlas	Retained by Sneads Branch.	93,523	1
	10/19/2023 20:00	10/19/2023 20:30	30	0	81,103	0	24	Atlas	Retained by Sneads Branch.	27,494	1
	10/27/2023 9:00	10/27/2023 9:30	30	0	195,430	0	1	Atlas	Retained by Sneads Branch.	22,474	1
	10/29/2023 0:00	10/29/2023 4:45	285	2	35,649	0	6	Atlas	Retained by Sneads Branch.	61,566	1
	10/29/2023 22:30	10/30/2023 6:15	465	2	253,361	1	6	Atlas	Retained by Sneads Branch.	437,555	1
	11/21/2023 0:15	11/21/2023 11:15	660	1	256,546	0	6	Atlas	Retained by Sneads Branch.	249,363	1
	12/4/2023 12:15	12/4/2023 13:00	45	0	136,907	0	3	Atlas	Retained by Sneads Branch.	22,590	1
	12/9/2023 16:00	12/9/2023 19:45	225	1	40,994	1	1	Atlas		40,707	1
	12/18/2023 23:15	12/17/2023 0:30	75	0	148,276	0	12	Atlas	Retained by Sneads Branch.	40,924	1
	12/25/2023 11:45	12/25/2023 22:30	645	1	283,817	0	12	Atlas	Retained by Sneads Branch.	145,598	1
CSO182 Total										1,163,381	11
CSO183	7/1/2023 10:45	7/1/2023 11:00	15	0	2,153	0	1	Atlas	Retained by Sneads Branch.	1,025	1
	7/2/2023 17:15	7/2/2023 17:30	15	0	4,139	0	1	Atlas	Retained by Sneads Branch.	1,593	1
	7/6/2023 12:30	7/6/2023 12:45	15	0	219	0	3	Atlas	Retained by Sneads Branch.	11	1
	7/9/2023 18:30	7/9/2023 18:45	15	1	12,661	1	1	Atlas		17,396	1
	8/7/2023 17:30	8/7/2023 17:45	15	0	3,098	0	1	Atlas	Retained by Sneads Branch.	1,261	1
	8/25/2023 20:30	8/25/2023 21:00	30	1	3,567	1	3	Atlas		5,287	1
	12/24/2023 9:45	12/24/2023 10:00	15	0	325	0	3	Atlas	Retained by Sneads Branch.	20	1
CSO183 Total										26,594	7
CSO184	7/1/2023 10:45	7/1/2023 11:00	15	0	20,606	0	1	Atlas	Retained by Sneads Branch.	9,808	1
	7/2/2023 17:15	7/2/2023 17:30	15	0	3,597	0	1	Atlas	Retained by Sneads Branch.	1,385	1
	7/8/2023 18:30	7/8/2023 19:00	30	1	90,801	1	1	Atlas		124,760	1
	7/24/2023 19:15	7/24/2023 19:30	15	0	31,855	0	1	Atlas	Retained by Sneads Branch.	10,448	1
	8/7/2023 17:30	8/7/2023 17:45	15	0	22,256	0	1	Atlas	Retained by Sneads Branch.	9,058	1
	8/12/2023 10:15	8/12/2023 10:30	15	1	3,940	1	1	Atlas	Retained by Sneads Branch.	2,273	1
	8/25/2023 19:45	8/25/2023 21:00	75	1	97,212	0	3	Atlas		144,069	1
	10/30/2023 1:15	10/30/2023 1:45	30	2	1,290	0	6	Atlas	Retained by Sneads Branch.	2,120	1
	12/9/2023 16:15	12/9/2023 16:30	15	1	198	0	3	Atlas	Retained by Sneads Branch.	172	1



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CSO184 Total										304,094	9
CSO185	7/8/2023 18:15	7/8/2023 19:15	60	1	104,315	1	1	Atlas		143,328	1
	7/18/2023 18:15	7/18/2023 18:30	15	1	7,395	0	1	Atlas	Retained by Sneads Branch.	4,954	1
	7/24/2023 19:15	7/24/2023 19:45	30	0	10,054	0	1	Atlas	Retained by Sneads Branch.	3,298	1
	8/7/2023 17:30	8/7/2023 17:45	15	0	72,588	0	1	Atlas	Retained by Sneads Branch.	29,543	1
	8/12/2023 10:15	8/12/2023 10:30	15	1	120,323	1	1	Atlas	Retained by Sneads Branch.	69,426	1
	8/25/2023 19:45	8/26/2023 2:15	390	1	275,907	0	3	Atlas		408,894	1
	12/9/2023 16:30	12/9/2023 16:45	15	1	731	1	3	Atlas	Retained by Sneads Branch.	633	1
CSO185 Total										660,078	7
CSO186	12/9/2023 16:15	12/9/2023 16:30	15	1	12,394	0	1	Atlas	Retained by Sneads Branch.	13,559	1
CSO186 Total										13,559	1
CSO187	7/8/2023 18:00	7/8/2023 18:15	15	1	1,745	0	1	Atlas		1,741	1
	8/25/2023 20:00	8/25/2023 20:30	30	2	24,819	2	3	Atlas		51,227	1
	12/9/2023 15:45	12/9/2023 16:15	30	1	7,740	0	1	Atlas		8,467	1
CSO187 Total										61,436	3
CSO188	8/7/2023 4:00	8/7/2023 4:15	15	1	29	0	3	Atlas	Retained by Sneads Branch.	21	1
	8/12/2023 10:00	8/12/2023 10:15	15	1	4,318	0	1	Atlas	Retained by Sneads Branch.	2,647	1
	8/25/2023 20:30	8/25/2023 20:45	15	2	15,690	2	3	Atlas		32,383	1
CSO188 Total										35,051	3
CSO189	7/1/2023 10:45	7/1/2023 11:15	30	1	421,027	0	1	Atlas		315,770	1
	7/8/2023 18:00	7/8/2023 21:00	180	2	22,275,906	4	1	Atlas		41,143,599	1
	8/7/2023 3:30	8/7/2023 6:30	180	1	38,489,201	1	3	Atlas		41,606,826	1
	8/12/2023 10:00	8/12/2023 10:45	45	0	2,020,136	0	1	Atlas		864,618	1
CSO189 Total										83,930,813	4
CSO193	7/1/2023 10:30	7/1/2023 10:45	15	0	4,308	0	1	Atlas		1,822	1
	7/8/2023 18:00	7/8/2023 18:30	30	1	9,859	0	1	Atlas		10,549	1
	8/3/2023 7:45	8/3/2023 8:00	15	1	884	0	6	Atlas		519	1
	8/7/2023 17:15	8/7/2023 17:30	15	0	335	0	1	Atlas		83	1
	8/12/2023 10:00	8/12/2023 10:15	15	1	724	0	1	Atlas		406	1
	8/25/2023 20:00	8/25/2023 20:45	45	2	8,847	1	3	Atlas		14,305	1
	10/30/2023 1:15	10/30/2023 1:30	15	2	24	1	48	Atlas		45	1
CSO193 Total										27,730	7
CSO195	7/8/2023 18:15	7/8/2023 18:30	15	1	80,115	1	1	Atlas		100,385	1
	8/7/2023 4:00	8/7/2023 4:15	15	1	156	1	3	Atlas		145	1
	8/25/2023 20:30	8/25/2023 20:45	15	1	9,585	1	3	Atlas		12,566	1

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	12/9/2023 16:15	12/9/2023 16:30	15	1	14	1	3	Alias		13	1
CSO195 Total										113,109	4
CSO196	7/1/2023 10:30	7/1/2023 10:45	15	0	472	0	1	Alias		157	1
	7/2/2023 17:00	7/2/2023 17:15	15	0	165	0	1	Alias		38	1
	7/8/2023 18:00	7/8/2023 18:45	45	1	4,988	0	1	Alias		6,249	1
	8/3/2023 7:45	8/3/2023 8:15	30	1	174	0	6	Alias		100	1
	8/7/2023 1:15	8/7/2023 3:30	135	1	44	0	3	Alias		41	1
	8/7/2023 17:15	8/7/2023 17:30	15	0	791	0	1	Alias		266	1
	8/9/2023 18:30	8/9/2023 18:45	15	0	33	0	1	Alias		7	1
	8/25/2023 20:15	8/25/2023 20:30	15	1	46,632	1	3	Alias		61,134	1
	9/28/2023 0:15	9/28/2023 2:45	150	1	542	0	6	Alias		291	1
	10/19/2023 19:15	10/19/2023 19:45	30	0	207	0	24	Alias		87	1
	10/28/2023 17:45	10/28/2023 20:15	150	2	241	1	48	Alias		455	1
	10/30/2023 0:45	10/30/2023 1:45	60	2	38	1	48	Alias		72	1
	11/21/2023 1:30	11/21/2023 1:45	15	1	168	0	6	Alias		150	1
	12/9/2023 16:00	12/9/2023 16:15	15	1	57,552	1	3	Alias		56,517	1
CSO196 Total										125,565	14
CSO197	7/1/2023 10:30	7/1/2023 10:45	15	0	6,038	0	1	Alias		2,005	1
	7/8/2023 18:15	7/8/2023 18:45	30	1	9,223	0	1	Alias		11,557	1
	8/7/2023 2:00	8/7/2023 2:15	15	1	124	1	3	Alias		115	1
	8/7/2023 16:45	8/7/2023 17:00	15	0	11,464	0	1	Alias		3,852	1
	8/12/2023 9:45	8/12/2023 10:00	15	1	7,936	1	1	Alias		4,968	1
	8/25/2023 18:00	8/25/2023 18:45	45	1	3,787	1	3	Alias		4,965	1
	12/9/2023 16:00	12/9/2023 16:15	15	1	6,928	1	3	Alias		6,803	1
CSO197 Total										34,264	7
CSO198	7/8/2023 18:00	7/8/2023 18:30	30	1	26,771	0	1	Alias		33,544	1
	8/12/2023 9:45	8/12/2023 10:00	15	1	8,297	1	1	Alias		5,194	1
	8/25/2023 19:45	8/25/2023 20:30	45	1	16,248	1	3	Alias		21,301	1
	12/9/2023 15:45	12/9/2023 16:15	30	1	7,137	0	3	Alias		7,009	1
CSO198 Total										67,048	4
CSO199	7/15/2023 12:00	7/15/2023 12:15	15	0	33	0	3	Alias		5	1
	7/18/2023 18:00	7/18/2023 18:45	45	0	91	0	1	Alias		39	1
	8/12/2023 10:00	8/12/2023 10:30	30	1	642	1	1	Alias		402	1
	8/14/2023 8:30	8/14/2023 8:45	15	0	1	0	3	Alias		1	1



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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (IN)	DISCHARGE PER RAIN (GAL/IN)	FREQUENCY (YR)	PERIOD (HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
	8/25/2023 19:45	8/25/2023 21:15	90	1	26,439	0	3	Atlas		34,661	1
	10/30/2023 0:45	10/30/2023 1:30	45	2	39	1	48	Atlas		75	1
	12/9/2023 16:00	12/9/2023 16:30	30	1	24,902	1	3	Atlas		24,454	1
CSO199 Total										59,636	7
CSO200	7/8/2023 18:15	7/8/2023 19:00	45	1	39,108	0	1	Atlas		49,003	1
	12/9/2023 16:15	12/9/2023 16:30	15	1	192	0	3	Atlas		189	1
CSO200 Total										49,192	2
CSO201	7/1/2023 10:45	7/1/2023 11:00	15	0	8,076	0	1	Atlas		3,416	1
	7/8/2023 18:30	7/8/2023 18:45	15	1	30,551	0	1	Atlas		32,690	1
	8/25/2023 20:30	8/25/2023 21:00	30	2	24,130	0	3	Atlas		39,018	1
	12/9/2023 16:15	12/9/2023 16:30	15	1	26,727	0	3	Atlas		22,825	1
CSO201 Total										97,950	4
CSO202	7/1/2023 10:30	7/1/2023 10:45	15	0	6,288	0	1	Atlas		2,088	1
	7/2/2023 17:00	7/2/2023 17:15	15	0	403	0	1	Atlas		93	1
	7/8/2023 18:00	7/8/2023 18:45	45	1	32,639	1	1	Atlas		40,896	1
	8/3/2023 7:45	8/3/2023 8:00	15	1	236	0	6	Atlas		136	1
	8/7/2023 2:15	8/7/2023 4:15	120	1	13,156	1	3	Atlas		12,261	1
	8/7/2023 17:15	8/7/2023 17:30	15	0	10,703	0	1	Atlas		3,596	1
	8/12/2023 10:00	8/12/2023 10:15	15	1	9,062	1	1	Atlas		5,673	1
	8/25/2023 19:30	8/25/2023 20:45	75	1	14,186	1	3	Atlas		18,597	1
	10/28/2023 17:45	10/28/2023 18:00	15	2	12	1	48	Atlas		22	1
	12/9/2023 16:00	12/9/2023 18:30	150	1	38,496	1	3	Atlas		37,803	1
CSO202 Total										121,166	10
CSO203	7/1/2023 22:15	7/1/2023 22:30	15	0	12	0	3	Atlas		4	1
	7/8/2023 18:15	7/8/2023 18:45	30	1	27,441	1	1	Atlas		34,383	1
	8/7/2023 2:15	8/7/2023 2:30	15	1	115	1	3	Atlas		107	1
	8/7/2023 17:15	8/7/2023 17:30	15	0	1,175	0	1	Atlas		395	1
	8/12/2023 10:00	8/12/2023 10:15	15	1	5,507	1	1	Atlas		3,447	1
	8/25/2023 20:00	8/25/2023 20:15	15	1	433	1	3	Atlas		568	1
	9/28/2023 0:15	9/28/2023 0:30	15	1	11	0	6	Atlas		6	1
	12/9/2023 16:00	12/9/2023 16:30	30	1	14,045	0	3	Atlas		13,792	1
CSO203 Total										52,702	8
CSO205	7/2/2023 5:45	7/2/2023 6:30	45	0	97	0	3	Atlas	Retained by Sneads Branch.	37	1
	7/18/2023 0:45	7/18/2023 1:00	15	1	219	0	1	Atlas	Retained by Sneads Branch.	124	1
	7/18/2023 17:45	7/18/2023 18:45	60	1	256	0	1	Atlas	Retained by Sneads Branch.	146	1

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	7/24/2023 19:15	7/24/2023 19:30	15	0	9	0	1	Alias	Retained by Sneads Branch.	2	1
	8/3/2023 6:15	8/3/2023 8:30	135	1	867	0	6	Alias	Retained by Sneads Branch.	459	1
	8/7/2023 1:15	8/7/2023 1:30	15	1	34	0	3	Alias	Retained by Sneads Branch.	20	1
	9/27/2023 1:00	9/27/2023 1:15	15	0	60	0	1	Alias	Retained by Sneads Branch.	14	1
	12/9/2023 18:30	12/9/2023 18:45	15	1	15	1	1	Alias	Retained by Sneads Branch.	15	1
CSO205 Total										817	8
CSO208	8/7/2023 3:45	8/7/2023 4:00	15	1	3,135	1	3	Alias		3,802	1
	8/25/2023 20:00	8/25/2023 20:45	45	2	2,891	1	3	Alias		4,617	1
CSO208 Total										8,420	2
CSO210	7/11/2023 10:15	7/11/2023 18:45	510	1	5,014,689	1	1	Alias		3,379,900	1
	7/2/2023 6:00	7/2/2023 22:15	975	1	6,487,112	0	24	Alias		3,503,041	1
	7/8/2023 17:45	7/9/2023 5:15	690	2	1,928,400	20	1	Alias		4,651,300	1
	7/18/2023 18:00	7/19/2023 1:45	465	1	164,487	0	1	Alias		87,178	1
	8/3/2023 7:45	8/3/2023 16:45	540	1	196,128	0	6	Alias		122,384	1
	8/7/2023 2:00	8/8/2023 5:15	1635	1	450,386	0	3	Alias		337,339	1
	8/12/2023 9:45	8/12/2023 17:30	465	0	244,332	0	1	Alias		76,476	1
	8/14/2023 7:45	8/14/2023 16:45	540	1	280,762	0	3	Alias		149,085	1
	8/25/2023 20:00	8/26/2023 12:15	975	0	601,541	0	12	Alias		143,167	1
	9/28/2023 2:00	9/28/2023 17:30	930	1	398,982	0	6	Alias		208,667	1
	10/29/2023 17:45	10/29/2023 10:00	975	2	131,109	0	48	Alias		274,935	1
	10/30/2023 0:00	10/30/2023 16:00	960	2	170,638	0	48	Alias		357,828	1
	11/21/2023 1:15	11/21/2023 19:45	1110	1	326,709	0	3	Alias		246,338	1
	12/9/2023 16:30	12/10/2023 2:45	615	1	255,063	0	3	Alias		182,115	1
	12/18/2023 23:15	12/18/2023 23:45	30	0	3,575	0	1	Alias		18	1
	12/25/2023 13:15	12/25/2023 23:45	630	1	399,054	0	12	Alias		213,494	1
CSO210 Total										13,933,264	16
CSO211	7/11/2023 11:00	7/11/2023 15:15	255	1	8,770,407	0	1	Alias		5,911,255	1
	7/2/2023 7:00	7/2/2023 9:30	150	1	1,560,463	0	24	Alias		842,650	1
	7/8/2023 18:00	7/9/2023 0:30	390	2	9,510,921	20	1	Alias		22,940,342	1
	7/18/2023 19:00	7/18/2023 22:30	210	1	3,253,286	0	1	Alias		1,724,241	1
	8/3/2023 8:15	8/3/2023 12:00	225	1	5,477,770	0	6	Alias		3,418,128	1
	8/7/2023 2:45	8/7/2023 9:00	375	1	19,094,169	0	3	Alias		14,301,533	1
	8/7/2023 17:45	8/7/2023 21:15	210	0	7,044,627	0	1	Alias		2,134,522	1
	8/12/2023 10:30	8/12/2023 14:30	240	0	15,983,271	0	1	Alias		5,005,894	1



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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (IN)	DISCHARGE PER RAIN (GAL/IN)	FREQUENCY (YR)	PERIOD (HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
	8/14/2023 8:45	8/14/2023 11:45	180	1	2,625,774	0	3	Atlas		1,394,286	1
	8/25/2023 20:15	8/26/2023 7:00	645	0	69,230,687	0	12	Atlas		16,476,904	1
	9/28/2023 4:30	9/28/2023 7:45	195	1	4,033,335	0	6	Atlas		2,109,434	1
	10/29/2023 5:00	10/29/2023 5:45	45	2	32,191	0	48	Atlas		67,505	1
	10/30/2023 0:30	10/30/2023 9:15	525	2	14,928,149	0	48	Atlas		31,304,328	1
	11/21/2023 1:45	11/21/2023 9:30	465	1	16,166,362	0	3	Atlas		12,189,437	1
	12/9/2023 16:15	12/9/2023 21:30	315	1	17,789,701	0	3	Atlas		12,701,846	1
	12/25/2023 14:45	12/25/2023 18:15	210	1	1,346,899	0	12	Atlas		720,591	1
CSO211 Total										133,242,896	16

APPENDIX B

ANNUAL AVERAGE OVERFLOW VOLUME

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CSO	IOAP APPROVED LEVEL OF CONTROL	MODELED TYPICAL YEAR ACTIVATIONS FOR POST-IOAP CONDITIONS ¹			MODELED TYPICAL YEAR ACTIVATIONS FOR CURRENT CONDITIONS ²			MODELED TYPICAL YEAR ACTIVATIONS FOR PRE-IOAP CONDITIONS ³					
		VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED			
015	8	125	1095	18	384	4890	82	2780	68580	1143			
016	8	0	285	5	34	11505	192	39	5625	94			
018	0	0	0	0	1	165	3	158	30045	501			
019	8	14	435	7	6	525	9	193	15990	267			
020	8	1	435	7	183	16860	281	355	26115	435			
022	8	2	315	5	2	435	7	5	945	16			
023	8	0	0	0	0	0	0	2	525	9			
027	N/A/5	0	0	0	0	0	0	0	0	0			
028	8	0	0	0	0	0	0	1	2520	42			
029	8	0	105	2	0	180	3	5	6315	105			
031	N/A/5	0	0	0	0	0	0	0	0	0			
034	8	0	180	3	0	300	5	3	7680	128			
035	N/A/5	0	0	0	0	45	0	0	0	0			
036	8	0	165	3	0	255	4	0	480	8			
038	N/A/5	0	195	3	0	375	6	0	390	7			
050	8	0	0	0	0	0	0	20	7230	121			
051	8	0	0	0	5	3780	63	0	1020	17			
052	N/A/6	CSO Reporting Merged with CSO051									2	2700	45
053	8	0	0	0	0	120	2	8	11100	185			
054	8	0	465	8	0	240	4	2	8865	148			
055	8	1	510	9	1	225	4	5	2535	42			
056	8	0	0	0	0	45	0	4	2550	43			
057	N/A/5	0	0	0	0	0	0	0	0	0			
058	8	0	0	0	0	0	0	51	21510	359			
062	8	1	255	4	15	2325	39	100	18525	309			
082	0	0	0	0	1	765	13	19	11925	199			
083	N/A/6	CSO Reporting Merged with CSO119									0	345	6
084	0	0	0	0	2	585	10	19	5205	87			
086	N/A/5	0	0	0	0	0	0	0	0	0			
088	4	0	45	0	0	90	2	11	8685	145			
091	8	0	0	0	0	0	0	3	9675	161			
092	N/A/5	0	0	0	0	0	0	1	30	0			
093	0	0	0	0	0	0	0	0	60	1			
097	8	0	285	5	0	360	6	18	12390	207			



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		VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED
104	N/A6	CSO Reporting Merged with CSO105			CSO Reporting Merged with CSO105			9	2955	49
105	8	29	585	10	59	1380	260	9450	158	
106	N/A4	N/A - CSO Eliminated			N/A - CSO Eliminated			0	2040	34
108	8	2	210	4	2	315	52	7410	124	
109	N/A5	2	705	12	2	1005	1	1695	28	
110	8	0	240	4	0	300	20	9735	162	
111	8	1	315	5	1	360	5	3675	61	
113	8	0	0	0	0	0	6	2475	41	
117	8	35	2415	40	46	3180	86	13320	222	
118	0	0	0	0	12	1395	118	10350	173	
119	0	1	1185	20	2	1035	10	7830	131	
120	0	0	0	0	1	675	7	6825	114	
121	0	0	0	0	0	210	6	1890	32	
125	4	0	0	0	2	315	24	5295	88	
126	4	0	0	0	0	105	3	3225	54	
127	N/A4	N/A - CSO Eliminated			N/A - CSO Eliminated			12	4170	70
130	8	0	0	0	0	0	2	0	0	
131	4	0	75	1	0	120	2	135	2	
132	4	0	0	0	0	0	83	0	0	
137	N/A4	N/A - CSO Eliminated			N/A - CSO Eliminated			9	7950	133
140	0	0	0	0	0	0	3	3030	51	
141	0	0	0	0	0	0	1	10215	170	
142	N/A6	CSO Reporting Merged with CSO184			CSO Reporting Merged with CSO184			0	0	0
144	N/A5	1	345	6	1	495	1	225	4	
146	8	1	315	5	1	390	38	5910	99	
148	8	0	0	0	0	0	1	1650	28	
149	8	22	1920	32	25	2550	138	7590	127	
150	N/A6	CSO Reporting Merged with CSO053			CSO Reporting Merged with CSO053			1	1575	26
151	8	0	90	2	0	165	98	35145	586	
152	8	6	720	12	8	885	59	11715	195	
153	0	0	0	0	3	2250	19	15345	256	
154	4	0	0	0	0	0	23	15480	258	
155	8	0	0	0	0	0	1	2130	36	
160	0	0	0	0	0	0	0	465	8	
161	N/A5	0	0	0	0	0	0	0	0	

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CSO	IOAP APPROVED LEVEL OF CONTROL	MODELED TYPICAL YEAR ACTIVATIONS FOR POST-IOAP CONDITIONS ¹			MODELED TYPICAL YEAR ACTIVATIONS FOR CURRENT CONDITIONS ²			MODELED TYPICAL YEAR ACTIVATIONS FOR PRE-IOAP CONDITIONS		
		VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED
166	4	0	0	0	0	0	0	52	5595	93
167	N/A6	CSO Reporting Merged with CSO132			CSO Reporting Merged with CSO132			0	1890	32
172	N/A4	N/A - CSO Eliminated			N/A - CSO Eliminated			1	2265	38
174	N/A6	CSO Reporting Merged with CSO184			CSO Reporting Merged with CSO184			14	6660	111
178	8	0	75	1	0	105	2	20	11250	188
179	N/A6	CSO Reporting Merged with CSO149			CSO Reporting Merged with CSO149			0	0	0
180	N/A6	CSO Reporting Merged with CSO184			CSO Reporting Merged with CSO184			0	165	3
181	8	0	0	0	0	0	0	4	8835	147
182	N/A6	CSO Reporting Merged with CSO184			CSO Reporting Merged with CSO184			31	5700	95
183	N/A6	CSO Reporting Merged with CSO184			CSO Reporting Merged with CSO184			0	0	0
184	N/A6	5	645	11	5	645	11	0	840	14
185	N/A6	CSO Reporting Merged with CSO184			CSO Reporting Merged with CSO184			2	1755	29
186	N/A6	CSO Reporting Merged with CSO184			CSO Reporting Merged with CSO184			0	0	0
187	N/A6	CSO Reporting Merged with CSO184			CSO Reporting Merged with CSO184			0	0	0
188	N/A6	CSO Reporting Merged with CSO184			CSO Reporting Merged with CSO184			0	0	0
189	8	25	555	9	54	1500	25	240	11505	192
190	8	1	210	4	0	345	6	30	7380	123
191	N/A6	CSO Reporting Merged with CSO015			CSO Reporting Merged with CSO015			4	1095	18
193	8	0	180	3	0	300	5	0	315	5
195	8	0	0	0	0	135	2	3	10545	176
196	8	0	0	0	0	240	4	0	495	8
197	8	0	165	3	0	270	5	3	8385	140
198	N/A5	0	150	3	0	255	4	0	510	9
199	8	0	150	3	0	255	4	1	7605	127
200	8	0	0	0	0	0	0	2	12120	202
201	N/A5	0	240	4	0	465	8	1	1245	21
202	8	0	150	3	0	285	5	0	1695	28
203	N/A5	0	0	0	0	240	4	0	0	0
205	N/A6	CSO Reporting Merged with CSO184			CSO Reporting Merged with CSO184			0	150	3
206	N/A4	N/A - CSO Eliminated			N/A - CSO Eliminated			29	14805	247
207	N/A5	0	0	0	0	0	0	0	0	0
208	N/A5	0	375	6	0	660	11	1	4890	82
210	8	2	375	6	13	9330	156	19	5835	97
211	8	34	690	12	753	14100	235	1090	18585	310



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CSO	IOAP APPROVED LEVEL OF CONTROL	MODELED TYPICAL YEAR ACTIVATIONS FOR POST-IOAP CONDITIONS ¹			MODELED TYPICAL YEAR ACTIVATIONS FOR CURRENT CONDITIONS ²			MODELED TYPICAL YEAR ACTIVATIONS FOR PRE-IOAP CONDITIONS		
		VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED
		<p>¹Post-IOAP Condition results are based on model simulations of the 2001 Typical Year with the "baseline" projects implemented (Sanitary Sewer Discharge Plan and other existing Combined Sewer System facility improvements) and the most recently completed Long Term Control Plan project model. This model reflects the updated projects included in the 2021 IOAP modification. Modeling results assume Morris Forman WQTC operating at full capacity. The data reflects the construction of the current approved suite of IOAP projects, with some minor modifications to the results based on projected optimization and projected revision of the RTC. Additional revisions to RTC and programming is anticipated as projects are completed and RTC is optimized. Modeling results demonstrate that the system, as currently designed and when operating at full capacity, will perform better than the approved plan. However, this data is provided for information only. The modeling results do not reflect a specific commitment to a set number of activations, cumulative volume or total minutes of overflow at each CSO, nor do they represent a cumulative commitment to residual AAOV. There are no target commitments for number of activations at each individual CSO. The target commitment for the system is based on an 85% capture, resulting in a total residual AAOV of 2,955 MG.</p> <p>²Current Condition results are based on model simulations of the 2001 Typical Year with current upstream SSDP conditions and the current average available treatment plant capacity at Morris Forman WQTC. The model reflects projects certified through June 30, 2023. Partial construction of projects was not included.</p> <p>³Pre-IOAP results are based on model simulations of the 2001 Typical Year with no baseline projects or IOAP projects constructed. Model results reflect calibration modifications to the model that occurred after the onset of the IOAP.</p> <p>⁴These CSOs have been eliminated via implementation of Long Term Control Plan projects.</p> <p>⁵These CSOs were originally modeled or had baseline modeling conditions causing them to activate less than or equal to 8 times per Typical Year and thus do not have an associated project in the approved IOAP. Some were revised later with updated model geometry and were mitigated with CMOM activities.</p> <p>⁶These CSOs were mitigated in conjunction with other CSOs with a control structure (weir or gate) downstream of the original CSO. The new CSO location consolidates the overflow point, and overflows will be reported from a single location.</p>								

APPENDIX C

UNAUTHORIZED DISCHARGES - WET WEATHER SSOs

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WQTC NAME	WQTC KPDES#	OVERFLOW LOCATION	START DATE & TIME	STOP DATE & TIME	VOLUME (GAL)	SOURCE ASSET TYPE	SOURCE ASSET ID	SOURCE ASSET DISCHARGES TO	RECEIVING STREAM	CAUSE	DUE TO	WO #	CLEANUP EFFORTS	REPAIR EFFORTS
MORRIS FORMAN	KY0022411	1726 FRA-SER DR	7/18/2023 19:30	7/18/2023 20:00	50	Sewer Manhole	16649	DITCH	SOUTH FORK BEAR-GRASS CREEK	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3680509	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER. DILRECTLY INTO STREAM.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	1726 FRA-SER DR	8/25/2023 21:45	8/25/2023 23:00	171	Sewer Manhole	16649	DITCH	SOUTH FORK BEAR-GRASS CREEK	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3695961	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER. DILRECTLY INTO STREAM.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	1201 OLD CANNONS LN	8/25/2023 22:45	8/25/2023 23:30	129	Sewer Manhole	IS021A-SI	STREAM	MIDDLE FORK BEAR-GRASS CREEK	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3695962	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER. DILRECTLY INTO STREAM.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	1726 FRA-SER DR	10/30/2023 2:45	10/30/2023 4:45	135	Sewer Manhole	16649	DITCH	SOUTH FORK BEAR-GRASS CREEK	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3714977	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER. DILRECTLY INTO STREAM.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	3402 CHARLANE PKY	12/9/2023 17:45	12/10/2023 1:40	1	Sewer Manhole	28453	DITCH	CHE- NOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3729895	WO#3729897.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	4522 AL-GONQUIN PKY	12/25/2023 2:55	12/25/2023 14:55	30,300,000	Sewer Treatment Plant	MSD0278	STREAM	OHIO RIVER	POWER FAILURE.	ELEC. TRICAL PROBLEMS AT MSD	3736251	N/A.	POWER RESTORED. MANHOLES, PUMPS, FUNCTIONAL.



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APPENDIX D

UNAUTHORIZED DISCHARGES - DRY WEATHER CSOs

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WQTC NAME	WQTC KPDES#	OVERFLOW LOCATION	START DATE & TIME	STOP DATE & TIME	VOLUME (GAL)	SOURCE ASSET TYPE	SOURCE ASSET ID	SOURCE ASSET DISCHARGES TO	RECEIVING STREAM	CAUSE	DUE TO	WO #	CLEANUP EFFORTS	REPAIR EFFORTS
MORRIS FORMAN	KY0022411	1001 E BROADWAY	10/2/2023 10:31	10/2/2023 14:30	1,200	Sewer Manhole	CSO119	GROUND	SOUTH FORK BEARGRASS CREEK	CAUSE OF DISCHARGE IS IN MAIN SEWER. OBSTRUCTION IN MAIN SEWER.	OBSTRUCTION-NOT GREASE / ROOTS	3706065	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO IMPROVED CHANNEL OF BEARGRASS CREEK.	FLUSHED/VACTORED THE OBSTRUCTION / DEBRIS FROM THE SEWER (CSO CREWS).
MORRIS FORMAN	KY0022411	816 N 34TH ST	10/19/2023 14:12	10/19/2023 14:15	10,000	Sewer Manhole	CSO019	DITCH	OHIO RIVER	PUMPS WERE TURNED OFF.	MECHANICAL FAILURE	3713422	NO CLEANUP ACTIVITY POSSIBLE; PIPE DISCHARGE SUBMERGED.	PUMPS TURNED ON.

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APPENDIX E

UNAUTHORIZED DISCHARGES - DRY WEATHER SSOs

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WQTC NAME	WQTC KPDES#	OVERFLOW LOCATION	START DATE & TIME	STOP DATE & TIME	VOLUME (GAL)	SOURCE ASSET TYPE	SOURCE ASSET ID	SOURCE ASSET DISCHARGES TO	RECEIVING STREAM	CAUSE	DUE TO	WO #	CLEANUP EFFORTS	REPAIR EFFORTS
MORRIS FORMAN	KY0022411	2409 PLANTSIDE DR	10/4/2023 13:38	10/4/2023 13:55	1	Sewer Main	29341A	GROUND	CHENOWETH RUN	UTILITY DAMAGED MSD ASSET. DAMAGE WORK ORDER 3705594.	UTILITY DAMAGED MSD ASSET	3705438	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.	CONTRACTOR REPAIRED THE MAIN SEWER; MSR WORK ORDER 3705443.
MORRIS FORMAN	KY0022411	3011 DERINGTON CT	10/8/2023 22:55	10/9/2023 7:40	1	Sewer Main	MSD0095-PS	GROUND	GOOSE CREEK	STRUCTURAL FAILURE (FORCE MAIN BREAK).	STRUCTURAL FAILURE	3706151	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA.	CONTRACTOR REPAIRED THE FORCE MAIN; SREPR WORK ORDER 3706213. CONTRACTOR HAULED SEWAGE; HAULOP WORK ORDER 3706206.
DEREK R. GUTHRIE	KY0078956	9307 CANE RUN RD	10/24/2023 13:40	10/24/2023 15:30	550	Sewer Manhole	107837	GROUND	MILL CREEK	GREASE IN MAIN SEWER/ OBSTRUCTION IN MAIN SEWER.	OBSTRUCTION- NOT GREASE / ROOTS	3714202	REFERRED TO THE AREA SUPERVISOR TO CLEAN IMPACTED AREA.	FLUSHED THE MAIN SEWER TO REMOVE OBSTRUCTION.
MORRIS FORMAN	KY0022411	125 RIVER RD	11/9/2023 13:00			Sewer Node	015-DO	STREAM	OHIO RIVER	DIRECTLY CONNECTED COMBINATION STORM AND SANITARY LINE AT 546 S FIRST STREET.	STRUCTURAL FAILURE	3719138	NONE POSSIBLE DUE TO THE LOCATION OF THE OUTFALL.	THIS WILL BE AN ONGOING OVERFLOW FOR THE NEAR FUTURE. THIS IS ASSOCIATED WITH AN MSD EMERGENCY PROJECT TO CORRECT THE CONNECTIONS AT 546 S FIRST STREET.
DEREK R. GUTHRIE	KY0078956	8800 ADMIRAL DR	12/6/2023 14:00	12/7/2023 10:32	500	Sewer Manhole	117174	GROUND	PENNSYLVANIA RUN	ELECTRICAL PROBLEM WITH MSD EQUIPMENT/ ASSET BREAKER TRIPPED.	ELECTRICAL PROBLEMS AT MSD	3729216	CLEANED AND SANITIZED THE IMPACTED AREA.	RESET BREAKERS; NO ISSUE FOUND WO:3729209.

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APPENDIX F

BYPASSES AT WATER QUALITY TREATMENT CENTERS

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WQTC NAME	WQTC KPDES#	OVERFLOW LOCATION	START DATE & TIME	STOP DATE & TIME	VOLUME (GAL)	SOURCE ASSET ID	SOURCE ASSET DISCHARGES TO	RECEIVING STREAM	CAUSE	WEATHER	WO #	CLEANUP EFFORTS	REPAIR EFFORTS
MORRIS FORMAN	KY0022411	4522 ALGONQUIN PKY	8/26/2023 2:30	8/26/2023 9:44	80,000,000	MSD0278	STREAM	OHIO RIVER	POWER FAILURE TO BELLS LANE HIGH RATE TREATMENT FACILITY.	WET WEATHER	3695948	NO DEBRIS, CLEANUP NOT NECESSARY.	WAITED UNTIL POWER IS RESTORED NA.
MORRIS FORMAN	KY0022411	4522 ALGONQUIN PKY	12/25/2023 2:55	12/25/2023 14:55	30,300,000	MSD0278	STREAM	OHIO RIVER	POWER FAILURE.	WET WEATHER	3736251	N/A.	POWER RESTORED AND PUMPS FUNCTIONAL.

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APPENDIX G

IOAP CROSSWALK

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PROJECT NAME	PROGRAM	ASSET ID	PROJECT ID
17TH ST FPS DWO ELIMINATION	LTCP-DWO	MSD0306-FP	L_OR_MF_190_S_03_A_A
27TH STREET FPS DWO ELIM	LTCP-DWO	MSD0307-FP	L_OR_MF_019_S_03_A_A
34TH ST FPS DWO ELIMINATION	LTCP-DWO	MSD0308-FP	L_OR_MF_019_S_03_A_B
4TH STREET FPS DWO ELIMINATION	LTCP-DWO	CSO022	L_OR_MF_022_M_03_A_A
4TH STREET FPS DWO ELIMINATION	LTCP-DWO	MSD0303-FP	L_OR_MF_022_M_03_A_A
ADAMS STREET SEWER SEPARATION (FORMERLY STORAGE BASIN)	LTCP-CSO	CSO172	L_OR_MF_172_S_09B_B_A_0
ADMIRAL WAY FORCE MAIN DIVERSION	AM	93703	AMADMIRALWAYPS
ADMIRAL WAY FORCE MAIN DIVERSION	AM	93705	AMADMIRALWAYPS
ANCHOR ESTATES PS ELIMINATIONS 1 - VANNAH PUMP STATION ELIMINATION	SSDP-SSO	01106	S_MI_MF_NB06_M_01_A_A-2
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	00056-W	S_MI_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	0057-W	S_MI_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	00746	S_MI_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	00817	S_MI_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	MSD0056-LS	S_MI_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	MSD0057-LS	S_MI_MF_NB06_M_01_A_A-1
ASHBURTON PS IMPROVEMENTS & DIVERSION	SSDP-SSO	MSD0165-PS	S_FF_FF_NB03_M_01_C_A
ASHBURTON PS IMPROVEMENTS & DIVERSION	SSDP-SSO	MSD0166-PS	S_FF_FF_NB03_M_01_C_A
AVANTI PS ELIMINATION	SSDP-SSO	21229	S_PO_WC_PC07_M_01_A
BARDESTOWN RD PS IMPROVEMENTS	SSDP-SSO	88645	S_CC_CC_MSD1025_S_03_B
BEARGRASS INTERCEPTOR REHABILITATION PH 2	SSDP-SSO	51594	S_SD_MF_NB06_S_13_C
BEECHWOOD VILLAGE SEWER REPL	ISSDP	21061	BEECHWOOD VILLAGE SEWER REPL
BEECHWOOD VILLAGE SEWER REPL	ISSDP	21089	BEECHWOOD VILLAGE SEWER REPL
BEECHWOOD VILLAGE SEWER REPL	ISSDP	21089A	BEECHWOOD VILLAGE SEWER REPL
BEECHWOOD VILLAGE SEWER REPL	ISSDP	21101	BEECHWOOD VILLAGE SEWER REPL
BEECHWOOD VILLAGE SEWER REPL	ISSDP	21153	BEECHWOOD VILLAGE SEWER REPL
BEECHWOOD VILLAGE SEWER REPL	ISSDP	21156	BEECHWOOD VILLAGE SEWER REPL
BELLS LANE (FORMERLY PADDY'S RUN) WET WEATHER TREATMENT FACILITY	LTCP-CSO	CSO015	L_OR_MF_015_M_13_B_B_8
BELLS LANE (FORMERLY PADDY'S RUN) WET WEATHER TREATMENT FACILITY	LTCP-CSO	CSO191	L_OR_MF_015_M_13_B_B_8
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	08426	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	08427	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	08429	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	08430	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	08431	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	0851002900046A	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	18654	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	49647	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	85055	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	85075	C_SF_MF_B



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PROJECT NAME	PROGRAM	ASSET ID	PROJECT ID
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	85097	C_SF_MF_B
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	08717	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	104223	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	104224	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	104231	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	13931	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	13943	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	13946	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	34093542	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	36763	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	44396	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	44397	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	51301	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	66349	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	99259	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	KK14815019	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	KK14855239	S_SF_MF_30917_M_09_A
CAVEN AVENUE PS ELIMINATION	SSDP-SSO	17724	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP-SSO	27116	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP-SSO	61667	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP-SSO	61687	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP-SSO	70212	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP-SSO	MSD0133-PS	S_PO_WC_PC09_M_09B_C
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO028	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO029	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO034	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO036	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO178	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO181	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO193	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO195	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO196	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO197	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO199	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO200X	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CSO202	L_OR_MF_155_M_09B_B_B_4-1
CHARLESWOOD INTERCEPTOR EXTENSION	SSDP-SSO	25477	S_PO_WC_PC03_M_01_C
CHARLESWOOD INTERCEPTOR EXTENSION	SSDP-SSO	25479	S_PO_WC_PC03_M_01_C

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CHARLESWOOD INTERCEPTOR EXTENSION	SSDP-SSO	25480	S_PO_WC_PC03_M_01_C
CHARLESWOOD INTERCEPTOR EXTENSION	SSDP-SSO	MSD0130-PS	S_PO_WC_PC03_M_01_C
CINDERELLA PS ELIMINATION	SSDP-SSO	102339	S_PO_WC_PC04_M_01_C
CINDERELLA PS ELIMINATION	SSDP-SSO	35309	S_PO_WC_PC04_M_01_C
CINDERELLA PS ELIMINATION	SSDP-SSO	60679	S_PO_WC_PC04_M_01_C
CINDERELLA PS ELIMINATION	SSDP-SSO	MSD1013-PS	S_PO_WC_PC04_M_01_C
CLIFTON HEIGHTS STORAGE BASIN	LTCP-CSO	CSO083	L_MU_MF_154_M_09B_B_A_8
CLIFTON HEIGHTS STORAGE BASIN	LTCP-CSO	CSO088	L_MU_MF_154_M_09B_B_A_8
CLIFTON HEIGHTS STORAGE BASIN	LTCP-CSO	CSO131	L_MU_MF_154_M_09B_B_A_8
CLIFTON HEIGHTS STORAGE BASIN	LTCP-CSO	CSO132	L_MU_MF_154_M_09B_B_A_8
CLIFTON HEIGHTS STORAGE BASIN	LTCP-CSO	CSO154	L_MU_MF_154_M_09B_B_A_8
CLIFTON HEIGHTS STORAGE BASIN	LTCP-CSO	CSO167	L_MU_MF_154_M_09B_B_A_8
CSO058 IN-LINE STORAGE & GREEN INFRASTRUCTURE	LTCP-CSO	CSO058	L_OR_MF_058_S_08_A_A_0
CSO093 STRUCTURAL MODIFICATIONS & GREEN INFRASTRUCTURE	LTCP-CSO	CSO093	L_SO_MF_093_S_08_A_A_0
CSO108 DAM MODIFICATION	LTCP-CSO	CSO108	L_SO_MF_108_S_09A_B_A_4
CSO140 IN-LINE STORAGE & GREEN INFRASTRUCTURE	LTCP-CSO	CSO140	L_MI_MF_140_S_08_A_A_0
CSO160 SEWER SEPARATION	LTCP-CSO	CSO160	L_OR_MF_160_S_08_A_A_0
CSO190 GREEN INFRASTRUCTURE (FORMERLY 18TH & NORTHWESTERN PKWY STORAGE BASIN)	LTCP-CSO	CSO190	L_OR_MF_190_S_09B_B_A_8
CSO206 SEWER SEPARATION	LTCP-CSO	CSO206	L_MI_MF_206_S_08_A_A_0
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	104289	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28249	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28250	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28336	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28340	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28413	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28414	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28415	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28416	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28417	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28451	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28452	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28453	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP-SSO	28711	S_JT_JT_NB02_M_01_C
DEREK R GUTHRIE WQTC UPGRADES	OTHER	1256312700A	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	OTHER	22307	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	OTHER	22370	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	OTHER	22385	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	OTHER	32682	DEREK R GUTHRIE WQTC UPGRADES



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DEREK R GUTHRIE WQTC UPGRADES	OTHER	32888	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	OTHER	59169	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	OTHER	MSD0277	DEREK R GUTHRIE WQTC UPGRADES
DERINGTON CT PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	20154-W	S_OR_MF_NB03_S_07_C
DERINGTON CT PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	20155	S_OR_MF_NB03_S_07_C
DERINGTON CT PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	MSD0095-PS	S_OR_MF_NB03_S_07_C
EAST ROCKFORD PS RELOCATION	SSDP-SSO	04699-W	S_MC_WC_NB02_S_03_C
EDEN CARE PS SSO INVESTIGATION	SSDP-SSO	MSD1105-PS	S_FF_FF_NB02_S_13_C
EDSEL PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	92098	S_PO_WC_PC11_M_07_C
EDSEL PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	92099	S_PO_WC_PC11_M_07_C
EDSEL PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	94009	S_PO_WC_PC11_M_07_C
EDSEL PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	MSD1048-PS	S_PO_WC_PC11_M_07_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	64096	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	86052	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	92061	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	MSD0196-PS	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	MSD0263	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	MSD0263A-PS	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	MSD1043-PS	S_JT_JT_NB01A_M_03_C
FAIRMOUNT RD PS IMPROVEMENTS	SSO	116106	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSO	81316	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSO	97362	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSO	97363	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSO	97365	S_FF_CC_81316_M_03_C_A
FAIRWAY VIEW PS IMPROVEMENTS	SSDP-SSO	MSD1065-PS	S_HC_HS_NB01_S_03_C_A
FLOYDSBURG RD I&I INVEST	SSDP-SSO	108953	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP-SSO	108956	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP-SSO	108957	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP-SSO	108958	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP-SSO	90776	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP-SSO	MSD1086-PS	S_HC_HC_MSD1086_M_07_C_A
FOX HARBOR IN-LINE STORAGE	SSO	62769	S_HC_HN_NB03_S_09A_A_A
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	105936	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	117721	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	43472	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	46891	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	62418	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	62420	S_MI_MF_NB04_M_03_B-1

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GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	91629	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	91630	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	MSD0040-PS	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	MSD1024-PS	S_MI_MF_NB04_M_03_B-1
GOVERNMENT CENTER PS ELIMINATION	SSDP-SSO	94541	S_PO_WC_PC06_M_01_C
GOVERNMENT CENTER PS ELIMINATION	SSDP-SSO	94542	S_PO_WC_PC06_M_01_C
GOVERNMENT CENTER PS ELIMINATION	SSDP-SSO	MSD0180-PS	S_PO_WC_PC06_M_01_C
GUNPOWDER PS IN-LINE STORAGE	SSDP-SSO	MSD1055-LS	S_HC_HN_NB02_S_09A_C_B
HAZELWOOD PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	55665	S_MC_MF_55665_S_07_C
HAZELWOOD PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	55667	S_MC_MF_55665_S_07_C
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	17571	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18134	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18297	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18298	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18299	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18302	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18318-W	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18370	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18434	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18471	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18483	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18505	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18595	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	47960A	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	48885	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	48886	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	48888	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	49224	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	49236	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	49672	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	49673	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	73111	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	MSD0012-PS	HIKES LN INTER & HIGHGATE SPR
HURSTBOURNE I/I INVESTIGATION & REHABILITATION	SSDP-SSO	01793	S_MI_MF_NB07_S_07_C
HURSTBOURNE I/I INVESTIGATION & REHABILITATION	SSDP-SSO	47650	S_MI_MF_NB07_S_07_C
HURSTBOURNE I/I INVESTIGATION & REHABILITATION	SSDP-SSO	47656	S_MI_MF_NB07_S_07_C
HURSTBOURNE I/I INVESTIGATION & REHABILITATION	SSDP-SSO	67535	S_MI_MF_NB07_S_07_C
IDLEWOOD IN-LINE STORAGE	SSDP-SSO	28984	S_CC_CC_70158_M_09A_C



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IDLEWOOD IN-LINE STORAGE	SSDP-SSO	28985	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP-SSO	28998	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP-SSO	63094	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP-SSO	63095	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP-SSO	70158	S_CC_CC_70158_M_09A_C
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	28173	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	28390	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	28391	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	28392	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	28395	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	28651	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	31733	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	64505	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	IS028-SI	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	MSD0255	S_JT_JT_NB01_M_01_C_A
KAVANAUGH RD PS IMPROVEMENTS	SSDP-SSO	MSD1085-PS	S_HC_HC_MSD1085_S_03_A
KLONDIKE INTERCEPTOR	SSDP-SSO	20644	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP-SSO	25676	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP-SSO	26650	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP-SSO	26651	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP-SSO	49513	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP-SSO	66232	S_SD_MF_NB04_S_01_B_A
LAKE FOREST PS SSO INVESTIGATION	SSDP-SSO	MSD1169-LS	S_FF_FF_NB01_S_13_C_A
LANTANA #1 PS I/I INVESTIGATION & REHABILITATION	SSDP-SSO	MSD0101-PS	S_PO_WC_PC05_M_07_C
LANTANA PS ELIMINATION	AM	25484	AMLANTANAPS
LANTANA PS ELIMINATION	AM	93719	AMLANTANAPS
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	19360	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	19369	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	29933	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	29943	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	29948	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	29949	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	31073	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	31074	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	31083	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	31084	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	57874	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	61266	S_PO_WC_PC08_M_01_C

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LEANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	79076	S_PO_WC_PC08_M_01_C
LEANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	MSD1010-PS	S_PO_WC_PC08_M_01_C
LEANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	MSD1200-PS	S_PO_WC_PC08_M_01_C
LELAND RD SSO INVESTIGATION	SSDP-SSO	96020	S_OR_MF_NB02_S_13_C
LEVEN PS ELIMINATION	SSDP-SSO	36419	S_PO_WC_PC10_M_01_C
LEVEN PS ELIMINATION	SSDP-SSO	MSD1019-PS	S_PO_WC_PC10_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP-SSO	67997	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP-SSO	67999	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP-SSO	86423	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP-SSO	86424	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP-SSO	89196	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP-SSO	89197	S_CC_CC_67997_M_01_C
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO091	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO097	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO106	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO110	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO111	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO113	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO137	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO146	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO148	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO149	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO151	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO152	L_SO_MF_092_M_09B_B_D_8
LUCAS LANE PS IN-LINE STORAGE	SSDP-SSO	MSD0199-LS	S_FF_BT_NB01_S_09A_C_A
MEADOW STREAM PS & FM UPGRADE	SSDP-SSO	91087	S_HC_HC_MSD1082_S_09A_C
MEADOW STREAM PS & FM UPGRADE	SSDP-SSO	MSD1082-PS	S_HC_HC_MSD1082_S_09A_C
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	24152-W	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	24472	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	26752	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	41374	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	41416	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	MSD0006-PS	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	MSD0007-PS	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	MSD0010-PS	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	MSD0023-PS	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	MSD0024-PS	S_OR_MF_NB01_M_01_B-1



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PROJECT NAME	PROGRAM	ASSET ID	PROJECT ID
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	02932	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	02933	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	02935	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	08637	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	08935-SM	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	115183	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	115184	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	115185	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	15194	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	15195	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	17618	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	23211	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	23212	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	24553	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	27005	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	27007	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	27008	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	27012	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	30376	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	40471	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	40471A	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	40471C	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	40559	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	43726	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	45796	S_MISF_MF_NB01_M_01_C_A1+2

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MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	45829	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	45835	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	45900	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47034	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47582	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47583	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47593	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47596	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47603	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47604	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	48884	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	51160	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	51161	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	51180	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	51221	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	65070	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	72288	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	72289	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	74512	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	74513	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	74520	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	84155	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	90700	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	96672	S_MISF_MF_NB01_M_01_C_A1+2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	96673	S_MISF_MF_NB01_M_01_C_A1+2



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MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	BU05074039	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	IS021A-SI	S_MISF_MF_NB01_M_01_C_A1-2
MONTICELLO PS ELIMINATION	SSDP-SSO	27969	S_JT_JT_NB04_M_01_A
MONTICELLO PS ELIMINATION	SSDP-SSO	MSD0151-PS	S_JT_JT_NB04_M_01_A
MORRIS FORMAN WQTC HEADWORKS (FORMERLY ALGONQUIN PKWY STORAGE BASIN)	LTCP-CSO	CSO211	L_OR_MF_211_M_13_B_A_8
NIGHTINGALE PS REPLACEMENT & STORAGE	LTCP-CSO	CSO018	L_SO_MF_018_S_03_A_A
NORTHERN DITCH DIVERSION INTERCEPTOR	ISSDP	MSD0271	NORTHERN DITCH DIVERSION INTER
PARKVIEW ESTATES I&I INVESTIGATION	SSDP-SSO	47250	S_SD_MF_NB03_S_07_C
PORTLAND CSO STORAGE BASIN	LTCP-CSO	CSO019	L_OR_MF_019_S_13_B_A_8
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	16455	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	22436	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	40870	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	40871	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	40872	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	40879	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	40880	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	42675	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	42680	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	46621	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	46623	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	46627	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	65606	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	65610	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	65623	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	65633	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	65635	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	89646	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	89791	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0123-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0183-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0186-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0192-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0193-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0291	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0292	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD1044-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD1063-PS	S_OR_MF_NB04_M_03_B_B-1

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PROSPECT SYSTEM IMPROVEMENTS 3 - ORFM SYSTEM IMPROVEMENTS	SSDP-SSO	117953	S_OR_MF_NB04_M_03_B_B-3
PROSPECT SYSTEM IMPROVEMENTS 3 - ORFM SYSTEM IMPROVEMENTS	SSDP-SSO	117959	S_OR_MF_NB04_M_03_B_B-3
PROSPECT SYSTEM IMPROVEMENTS 3 - ORFM SYSTEM IMPROVEMENTS	SSDP-SSO	89641	S_OR_MF_NB04_M_03_B_B-3
PROSPECT SYSTEM IMPROVEMENTS 3 - ORFM SYSTEM IMPROVEMENTS	SSDP-SSO	89790	S_OR_MF_NB04_M_03_B_B-3
RAINTREE DRIVE AND MARIAN COURT SYSTEM IMPROVEMENTS PHASE 1 - PUMP STATION ELIMINATION	SSDP-SSO	28729	S_JT_JT_NB03_M_01_C-1
RAINTREE DRIVE AND MARIAN COURT SYSTEM IMPROVEMENTS PHASE 1 - PUMP STATION ELIMINATION	SSDP-SSO	MSD0149-PS	S_JT_JT_NB03_M_01_C-1
RIDING RIDGE PS IMPROVEMENTS	SSDP-SSO	MSD1060-LS	S_HC_HN_NB01_S_03_C_A
RUNNING FOX PS ELIMINATION	SSDP-SSO	MSD1080-LS	S_CC_CC_MSD1080_S_01_C
SHAWNEE FPS DWO ELIMINATION	LTCP-DWO	MSD0309-FP	L_OR_MF_189_M_03_A_A
SHIVELY INTERCEPTOR	SSDP-SSO	04498	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	04542	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	81814-W	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	MSD0016-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	MSD0043-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	MSD0044-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	MSD0047-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	MSD0049-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	MSD0050-PS	S_MC_WC_NB01_M_01_A
SINKING FORK INTERCEPTOR	ISSDP	21103	SINKING FORK RELIEF SEWER
SINKING FORK INTERCEPTOR	ISSDP	25012	SINKING FORK RELIEF SEWER
SINKING FORK INTERCEPTOR	ISSDP	63319	SINKING FORK RELIEF SEWER
SONNE PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	MSD0042-PS	S_OR_MF_42007_S_07_C
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	30680	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	30681	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	30701	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	30702	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	30704	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	63779	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	72571-X	SOUTHEASTERN DIVERSION STRUCT
SOUTHERN OUTFALL IN-LINE STORAGE AT 43RD STREET (SOR1) (FORMERLY ALGONQUIN PKWY STORAGE BASIN)	LTCP-CSO	CSO016	L_OR_MF_211_M_13_B_A_8
SOUTHERN OUTFALL IN-LINE STORAGE AT 43RD STREET (SOR1) (FORMERLY ALGONQUIN PKWY STORAGE BASIN)	LTCP-CSO	CSO210	L_OR_MF_211_M_13_B_A_8
SOUTHWESTERN PKWY CSO BASIN	LTCP-CSO	CSO104	L_OR_MF_105_M_13_B_A_0
SOUTHWESTERN PKWY CSO BASIN	LTCP-CSO	CSO105	L_OR_MF_105_M_13_B_A_0
SOUTHWESTERN PKWY CSO BASIN	LTCP-CSO	CSO189X	L_OR_MF_105_M_13_B_A_0
ST RENE RD PS IN-LINE STORAGE	SSDP-SSO	94187	S_FF_CH_NB01_S_09A_C_A
SUTHERLAND INTERCEPTOR	SSDP-SSO	16649	S_SD_MF_NB05_M_01_A
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO020	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO023	MULTIPLE



**SECOND AMENDED CONSENT DECREE
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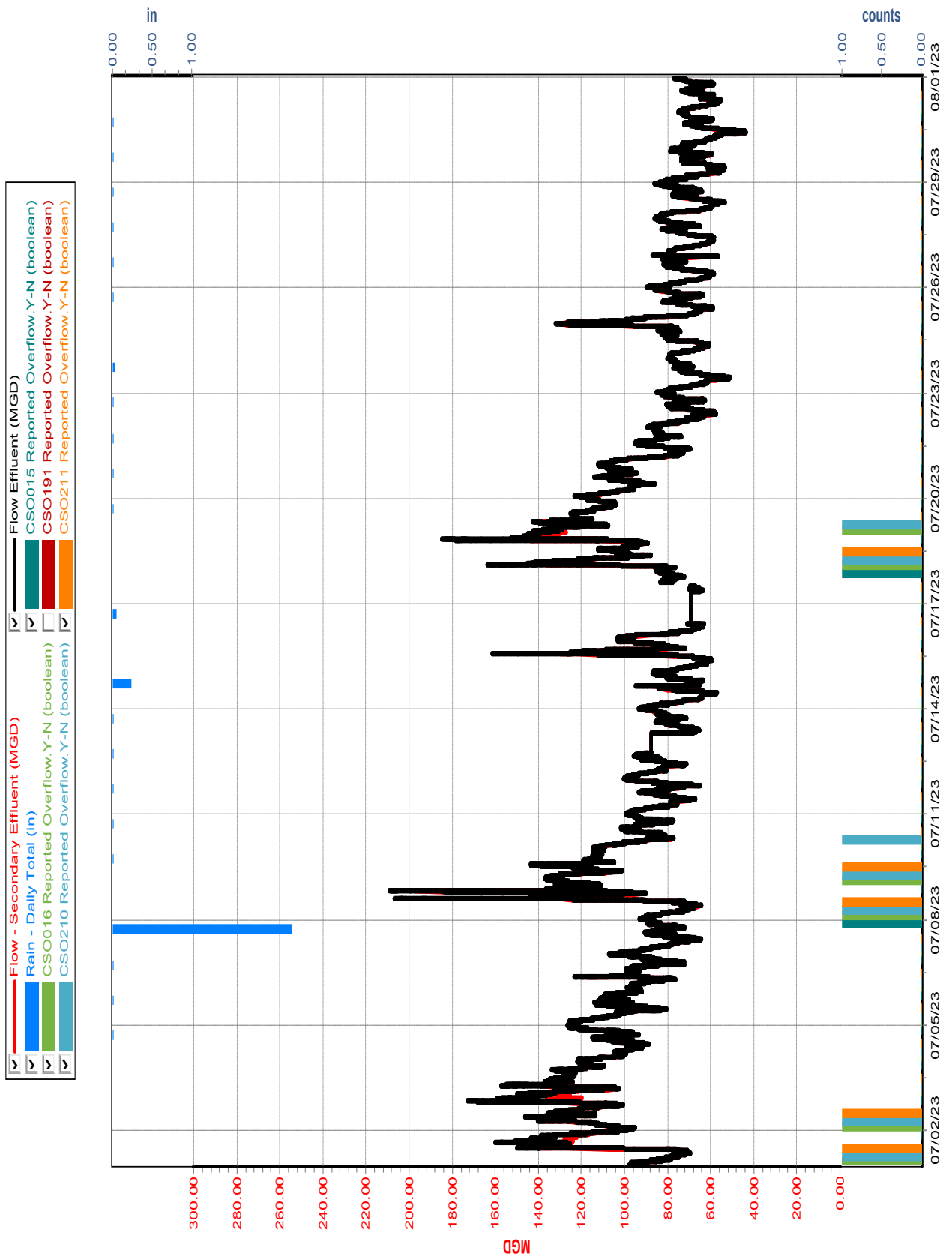
PROJECT NAME	PROGRAM	ASSET ID	PROJECT ID
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO060	MULTIPLE
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WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO062	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO063	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO064	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO065	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO066	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO082	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO084-M	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO118-M	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO119	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO120	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO121	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO125	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO126	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO127	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO141	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO150	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO153	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO155	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO166	MULTIPLE
WOODLAND HILLS PS DIVERSION	SSDP-SSO	33003	S_FF_FF_NB01_S_01_C_A
WOODLAND HILLS PS DIVERSION	SSDP-SSO	65516	S_FF_FF_NB01_S_01_C_A
WOODLAND HILLS PS DIVERSION	SSDP-SSO	65531	S_FF_FF_NB01_S_01_C_A

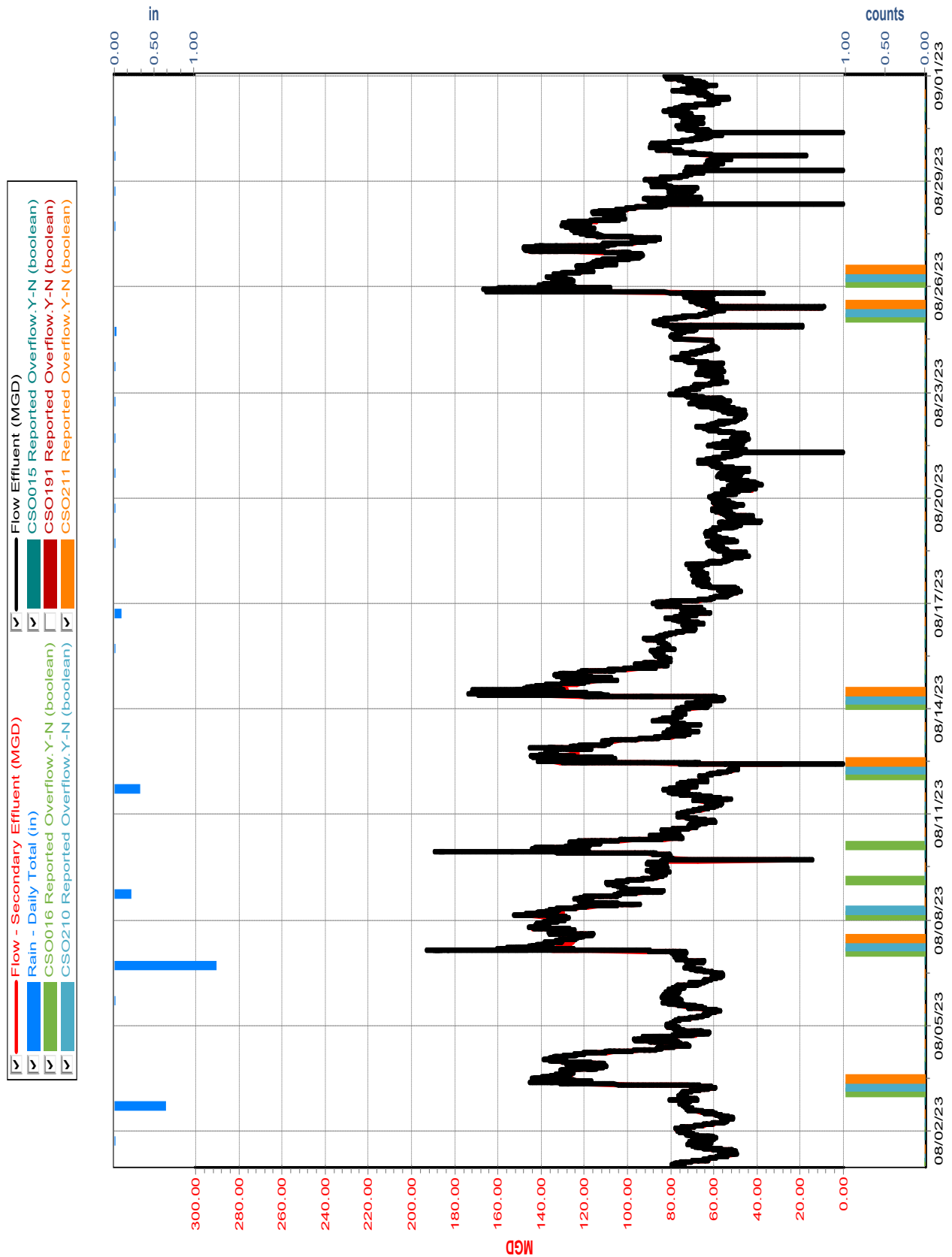
APPENDIX H

**MORRIS FORMAN PLANT FLOWS AND ASSOCIATED
CSO ACTIVATIONS**

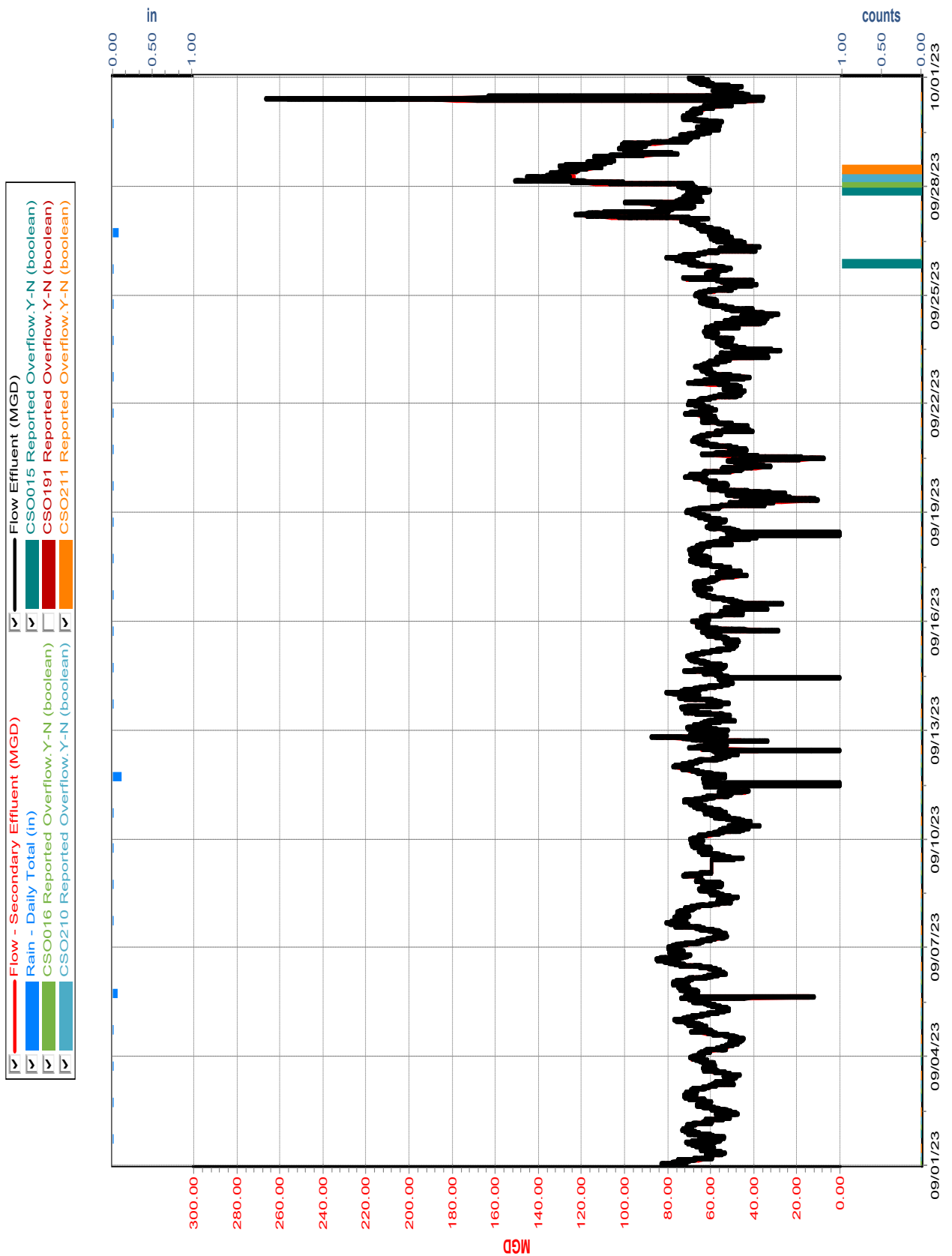
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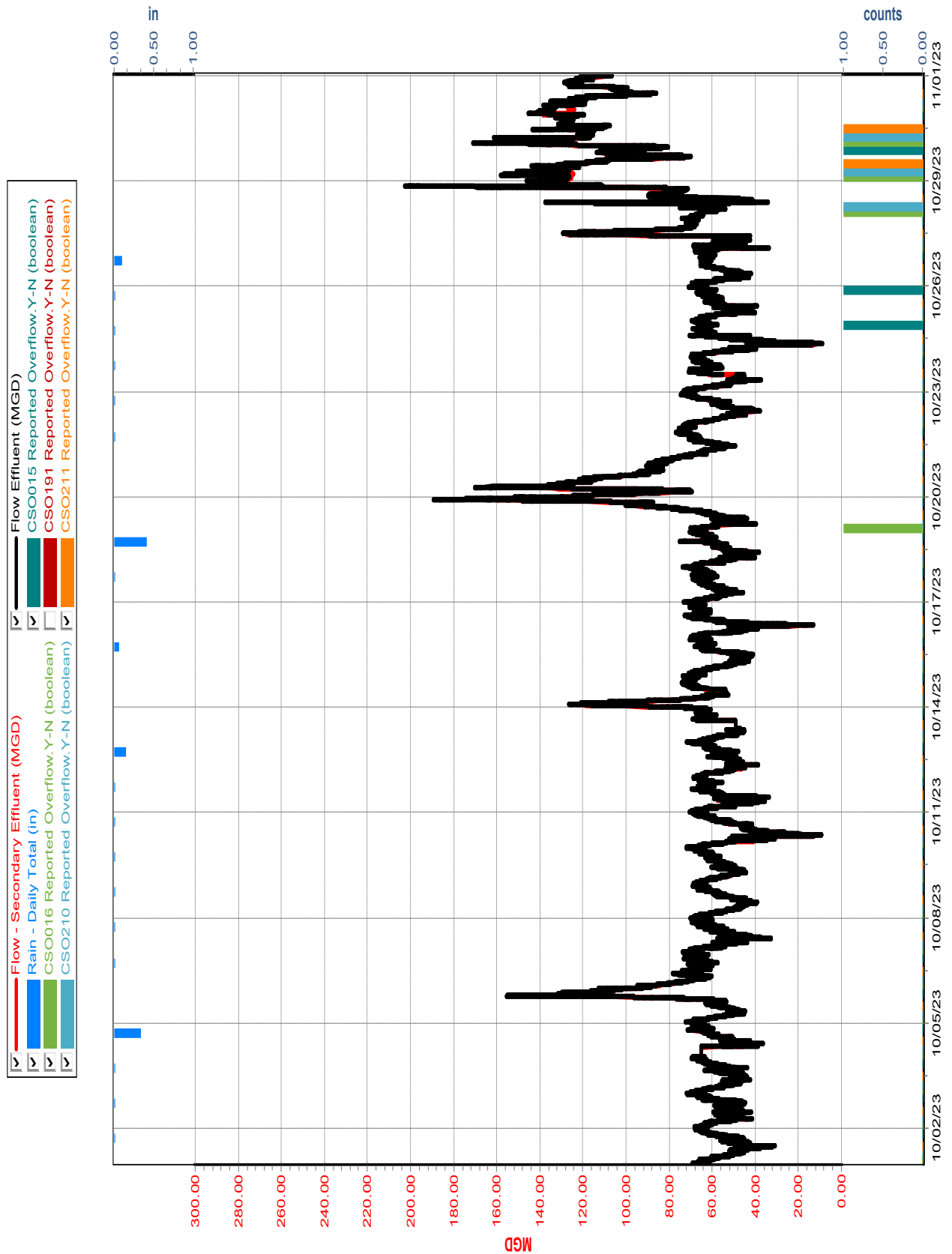
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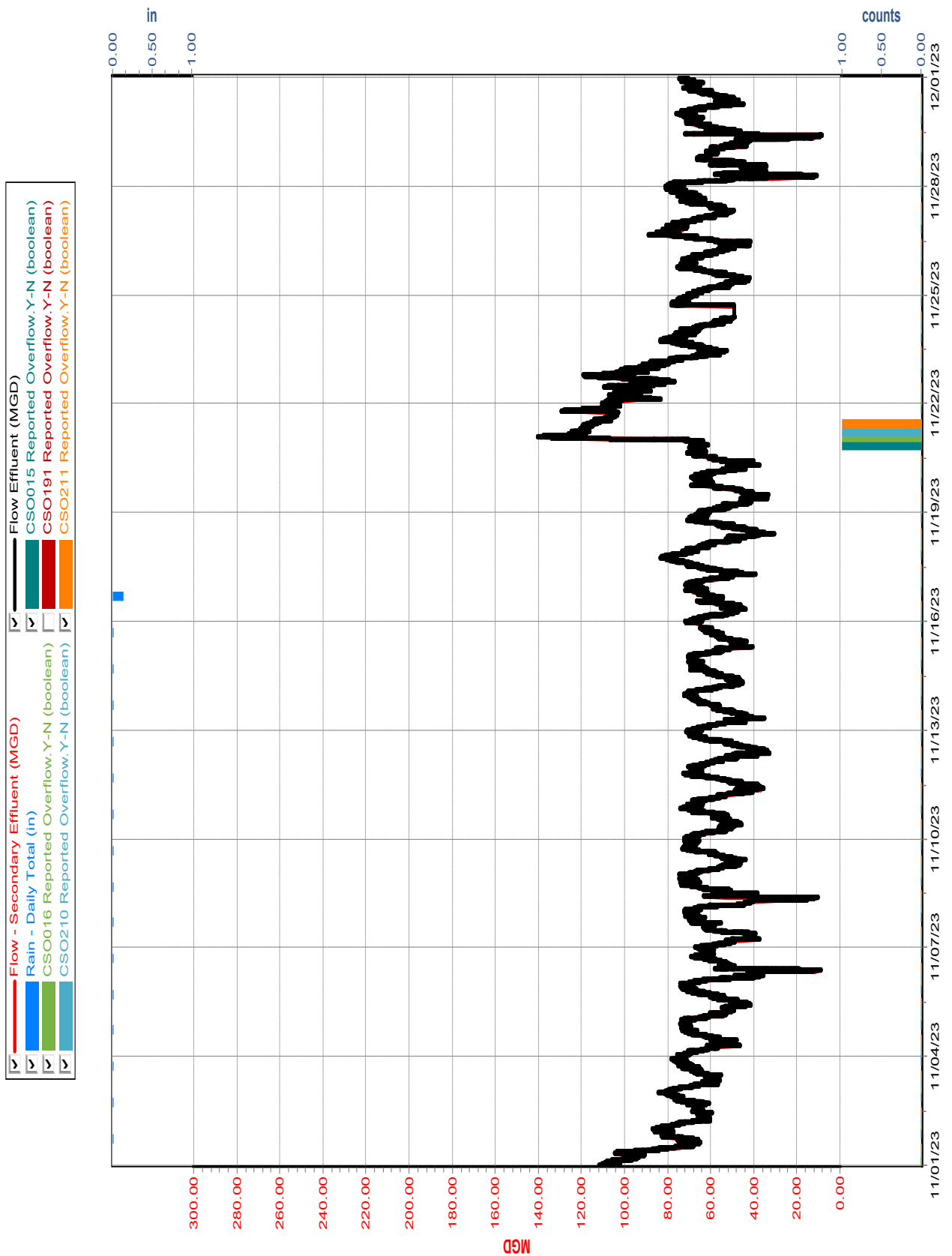


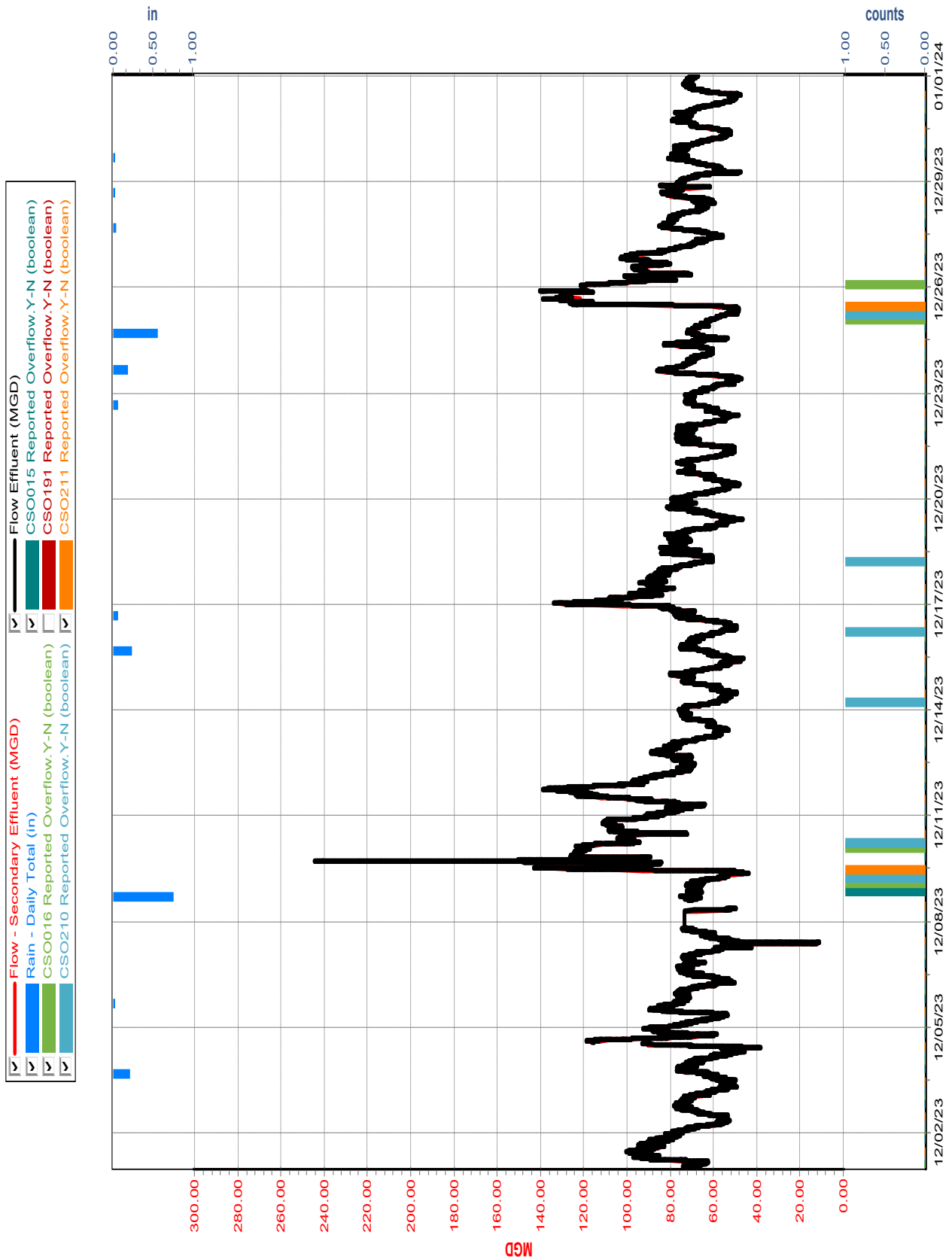
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**Louisville MSD
Second Amended Consent Decree
Mid-Year Status Report FY24**

