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February 28, 2022

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Chief, Environmental Enforcement Section
Environmental and Natural Resources Division
U.S. Department of Justice
Post Office Box 7611
Washington, DC 20044-7611

Subject: Mid-Year Status Report
July 1, 2021 through December 31, 2021
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, 2021, through December 31, 2021.

I certify under penalty of law that this document and all attachments were prepared under our 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,

Angela Akridge, PE
MSD Chief Strategy Officer

cc: James A. Parrott
Paula Purifoy
File



**Louisville MSD
Second Amended Consent Decree
Mid-Year Status Report FY22**



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

Reporting Period:

July 1, 2021 through December 31, 2021

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
700 W. Liberty Street
Louisville, Kentucky 40203-1911

Submittal Date:

February 28, 2022



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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 is anticipated to be signed by United States District Judge and entered in United States District Court, Western Division of Kentucky, Louisville Division in 2022.

This is the first Second Amended Consent Decree Mid-Year Status Report submitted in accordance with Paragraph 41 of the 2ACD. This report covers the time period from July 1, 2021, through December 31, 2021. 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 – 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.

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

1.1. DISCHARGE DEFINITIONS AND DOCUMENTATION

MSD enters and maintains information related to unauthorized discharges and overflows that are observed by MSD staff in the Infor Public Sector (IPS) asset management system utilizing procedures reviewed and improved through efforts associated with components of the Sewer Overflow Response Protocol (SORP), as required under the Second Amended Consent Decree. These overflows and discharges are categorized using the following categories:

- Asset Type
 - Water Quality Treatment Center (WQTC)
 - Combined Sewer Overflow (CSO)
 - Collections System Asset associated with a Sanitary Sewer Overflow (SSO)
 - Pump Station (PS) –sanitary, flood or viaduct pump stations
 - Access Point – manhole, valve, or inlets
 - Main – sanitary or combined system mains
 - Service Connection – customer service line
- Weather – Dry or wet
- Result – Waters of the United States (WUS), Exterior (i.e., to the ground), or Interior (i.e., inside a building)
- Cause – The issue that caused the discharge, including the following groups:
 - Bypass / Upset at a WQTC (or Blending at Jeffersontown WQTC, for discharges that occurred prior to WQTC elimination) as defined by permit
 - Capacity – Lack of Capacity or Pumped Overflow during wet weather
 - Maintenance & Operations Issue – Electrical Problem at MSD, Grease Blockage, Mechanical Failure, Obstruction (Not Grease or Roots), Power Outage, Pumped due to USACE Manual Requirements, Roots, Structural Issue, or Utility Damage

All overflow reporting documentation is stored in MSD's asset management system, IPS. Unauthorized discharges to the Waters of the United States (WUS) have been reported to the Kentucky Department for Environmental Protection (KDEP) and the Environmental Protection Agency (EPA) per the approved SORP.

MSD has developed performance measures to monitor the operation of the collections system and WQTCs, with the goal of reducing sewer overflows and improving surface water quality. The data reported in this document is the best, most up-to-date data available as of the document date. There may be changes to historic data as the data is reviewed for quality and accuracy and updated on a continuous basis by MSD administrative and field staff.

1.2. RAINFALL

The number and the volume of wet weather overflows are 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

Figure 1.1. MSD Rain Gauge Network

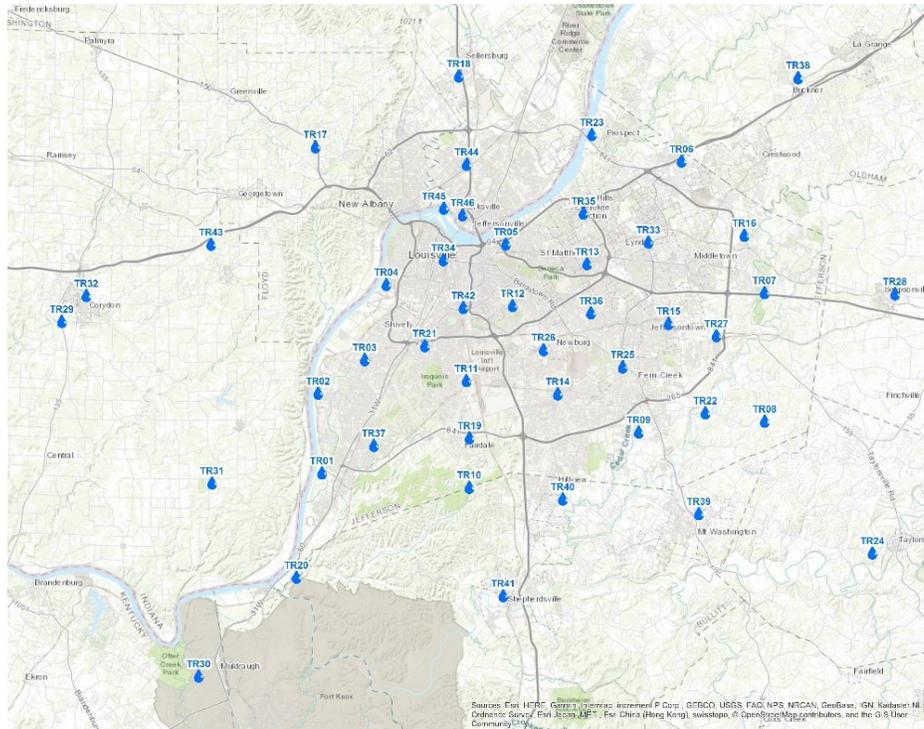
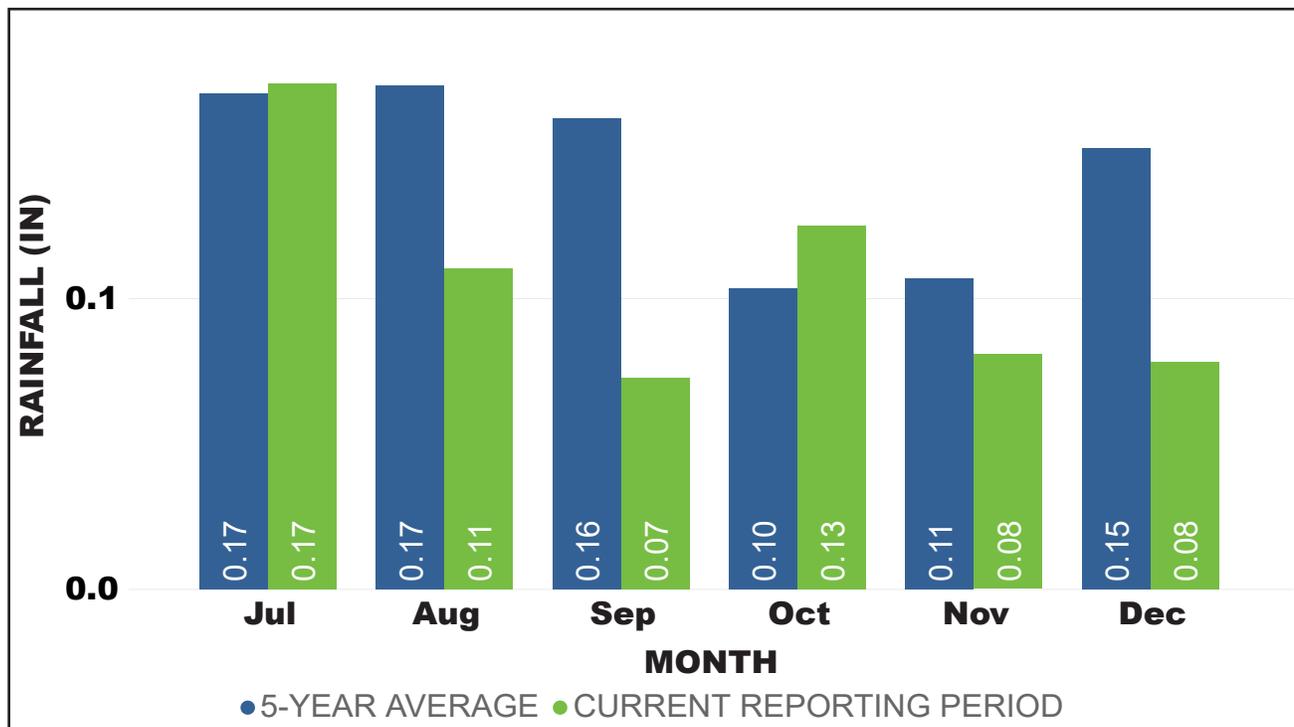


Figure 1.2. Daily Average Rainfall by Month





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 29 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 FY17.

1.3. 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.

1.3.1. CURRENT REPORTING PERIOD

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

DUE TO	OCCURRENCES	VOLUME (MG)
LACK OF SYSTEM CAPACITY	931	3,628

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.

1.3.2. CUMULATIVE DISCHARGE REDUCTIONS

MSD is required to achieve 85% or greater capture through the combined sewer system (CSS). When fully implemented and operational, MSD’s suite of wet weather CSO control projects are modeled to achieve 95 percent capture of the wet weather combined sewage generated in the service area during the typical year, which greatly exceeds EPA’s Presumption Approach requirement of 85 percent. Compliance with the 85 percent capture will be achieved with completion of the Waterway Protection Tunnel by December 31, 2022. MSD expects to achieve 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. Table 1.2 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 MFWQTC 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 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. The Annual Average Overflow Volume (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.

1.4. UNAUTHORIZED DISCHARGES — WET WEATHER SSOs

1.4.1. CURRENT REPORTING PERIOD

Table 1.4 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.

1.4.2. 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

Table 1.2. Wet Weather CSO Cumulative Reduction Modeled Projection - Summary

YEAR	TYPICAL YEAR OCCURRENCES	TYPICAL YEAR VOLUME
2007	2,683	3,510
2021	1,084	1,011
2034	208	340

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

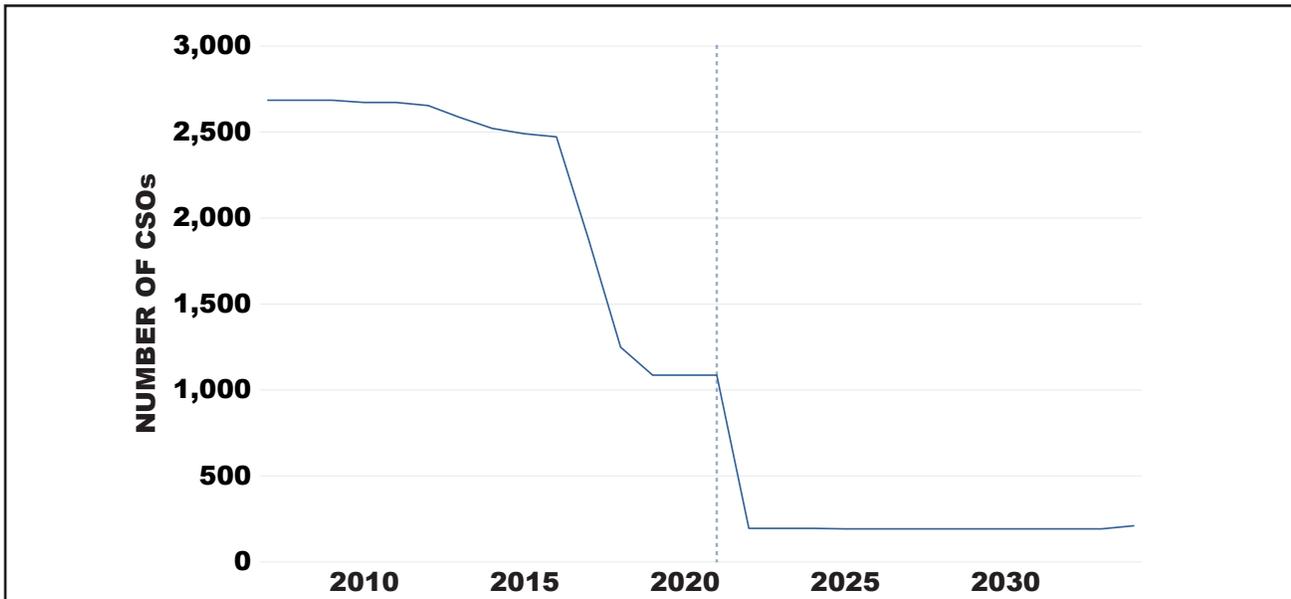


Figure 1.4. Wet Weather CSO Cumulative Reduction Modeled Projection - Volume

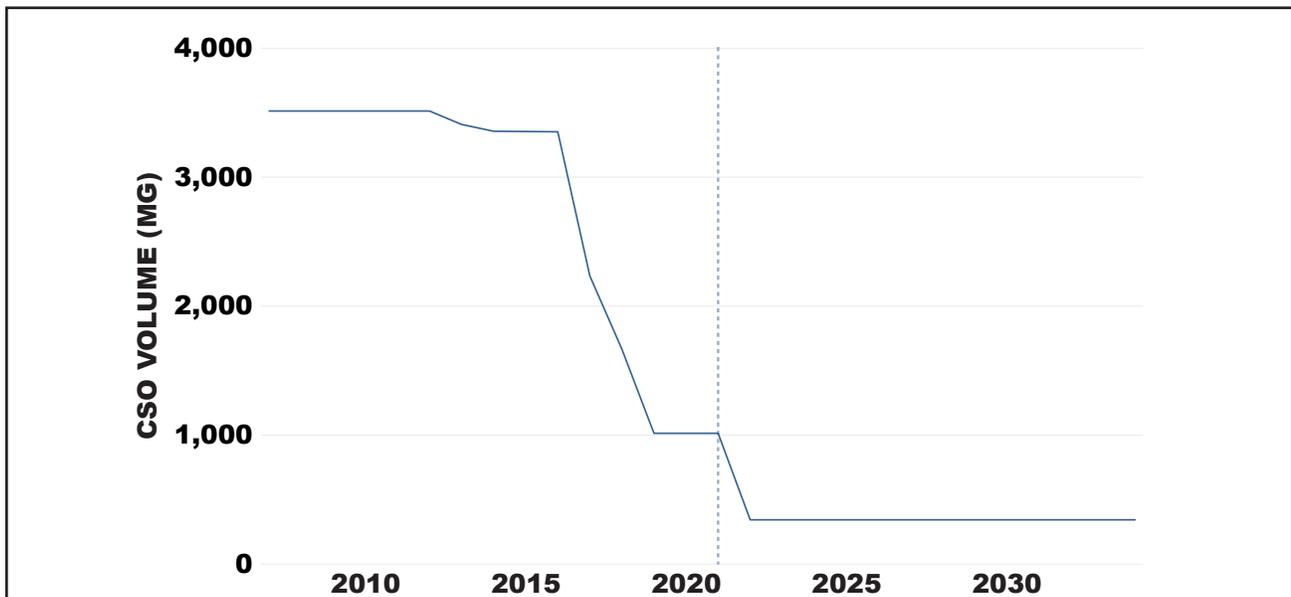


Table 1.3. Wet Weather SSO Cumulative Reduction Modeled Projection - Summary

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
2021	65	4	169	13	195	35
2034	0	0	137	5	178	21

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

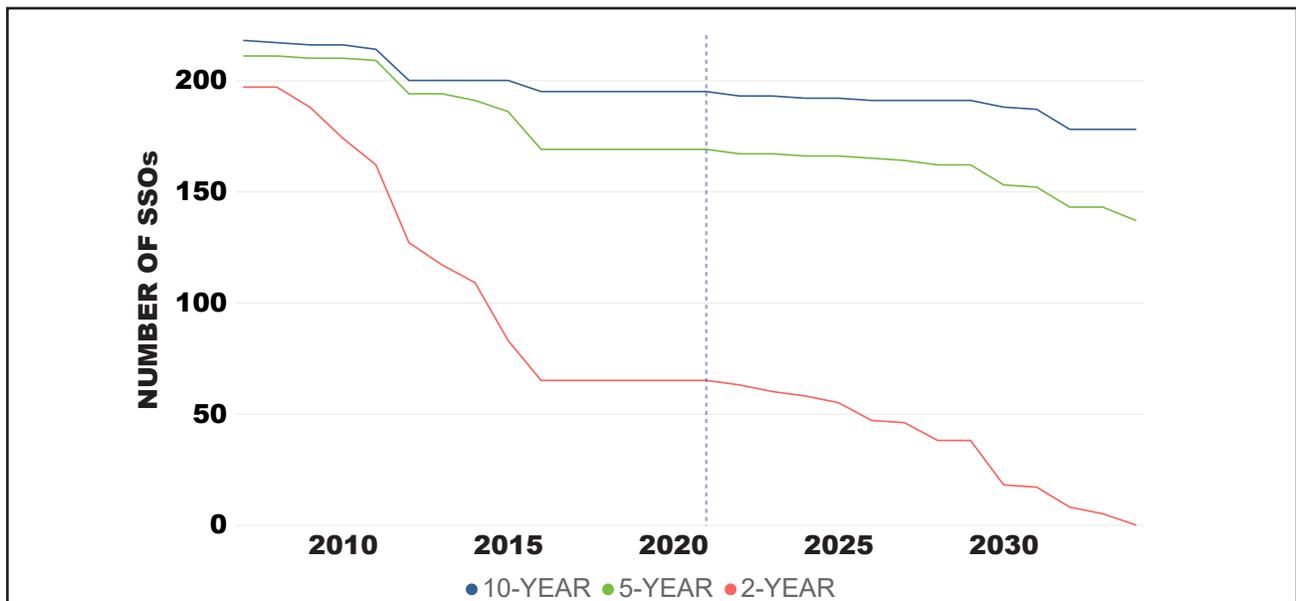


Figure 1.6. Wet Weather SSO Cumulative Reduction Modeled Projection - Volume

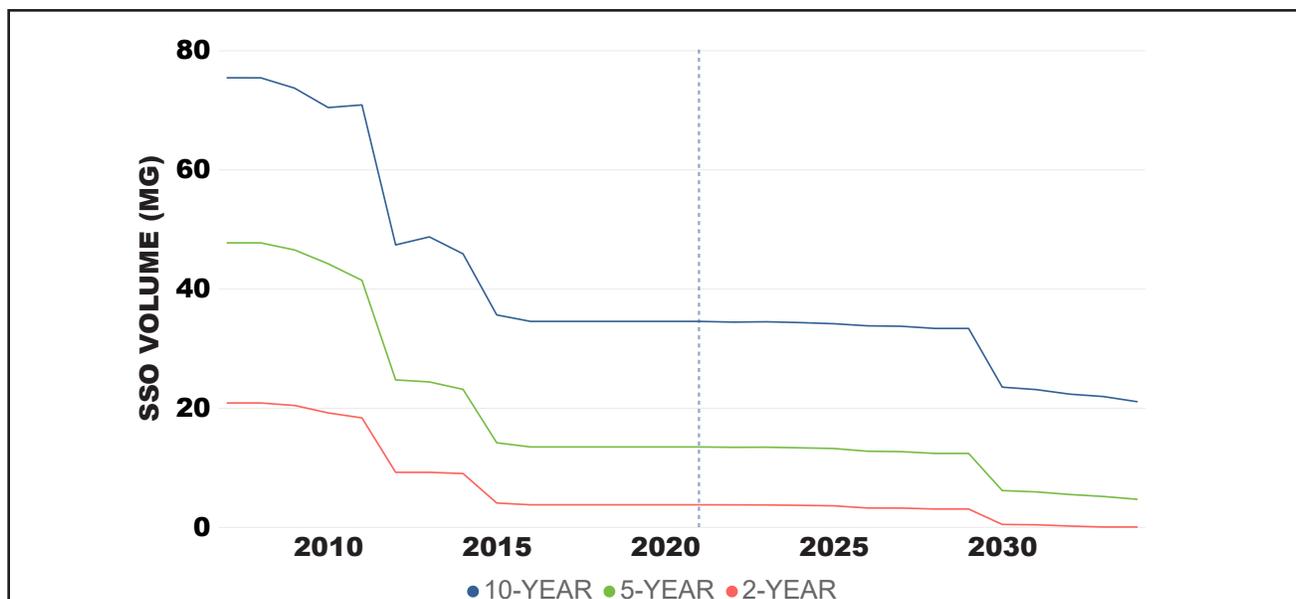


Table 1.4. Wet Weather SSO Discharge Summary

DUE TO	OCCURRENCES	VOLUME (GAL)
LACK OF SYSTEM CAPACITY	18	1,514,179
MECHANICAL FAILURE	1	326
STRUCTURAL FAILURE	1	33,750

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, 2021). Actual projections are subject to change as future projects are designed in detail and constructed. Table 1.3 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.

1.5. UNAUTHORIZED DISCHARGES — DRY WEATHER CSOs

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

Table 1.5. Dry Weather CSO Discharge Summary

DUE TO	OCCURRENCES	VOLUME (GAL)
UTILITY DAMAGED MSD ASSET	2	384,658

1.6. 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.

Table 1.6. Dry Weather SSO Discharge Summary

DUE TO	OCCURRENCES	VOLUME (GAL)
OBSTRUCTION-NOT GREASE / ROOTS	1	7,800
STRUCTURAL FAILURE	2	30,207

1.7. BYPASSES AT WATER QUALITY TREATMENT CENTERS

Project WIN Quarterly Report 18 included a memorandum, included 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 the four categories, including 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 1.7. Bypass Summary

DUE TO	OCCURRENCES	VOLUME (GAL)
CAPACITY	1	500,000
HUMAN ERROR	1	801,500
STRUCTURAL	1	12,500,000

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 modeling. However, MSD had spent approximately \$1B on CD and ACD implementation, and was experiencing changed circumstances for other assets that KDEP and EPA agreed required additional work to be completed in the system and a reprioritization of the work required under the ACD. The 2ACD requires Additional Early Action Plan (AEAP) projects to remediate the Morris Forman WQTC, nine critical interceptors, and Paddy's Run Flood Pump Station (FPS), and the inclusion of an Asset Management Plan. 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.

A Gantt chart including progress of all IOAP projects during the reporting period, along with anticipated progress for the upcoming reporting period, can be found in Figure 2.1. The Asset Management Plan is discussed in Section 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, conditioned and effective upon entry of the 2ACD. The approved documents can be viewed on the MSD Project WIN website, msdprojectwin.org. Discharging assets 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. A Gantt chart including progress of SSDP projects during the reporting period, along with anticipated progress for the upcoming reporting period, can be found in Figure 2.1. Raintree & Marian Ct 1 - Raintree PS Elimination was certified as completed October 15, 2021. No projects are anticipated to be completed during the upcoming reporting period.

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, approved May 19, 2021, conditioned and effective upon entry of the 2ACD. 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 cannot extend beyond December 31, 2022. A Gantt chart including progress of LTCP projects during the reporting period, along with anticipated progress for the upcoming reporting period, can be found in Figure 2.1. No projects were completed during the current reporting period or anticipated to be completed during the upcoming reporting period.

2.4. ADDITIONAL EARLY ACTION PLAN 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. Under the 2ACD, MSD is required to implement new projects as detailed in Table 2.1.

A Gantt chart including progress of AEAP projects during the reporting period, along with anticipated progress for the upcoming reporting period, can be found in Figure 2.1. Broadway Interceptor Infrastructure Rehabilitation was certified as completed on June 30, 2021, but certification was submitted after the 2ACD Annual Report. and the project is being reported as completed for the first time in this Mid-Year Status Report. Nightingale Rehabilitation was certified as completed October 15, 2021.

2.5. IOAP ACTIVITY SCHEDULE

A Gantt chart including progress of 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
MID-YEAR STATUS REPORT FY22
JULY 1, 2021 - DECEMBER 31, 2021**



Table 2.1. Additional Early Action Plan Projects

PROJECT	2ACD DATE	ESTIMATED COST	STATUS
Paddy's Run Pump Station Replacement	December 31, 2026	\$79,000,000	Started November 2, 2021. Estimated completion November 18, 2026. Dependent on partnership and cooperation with the US Army Corps of Engineers (USACE), and as such the deadline may be extended.
Buechel Trunk Sewer Rehabilitation	December 31, 2026	\$3,000,000	Estimated start July 1, 2022. Estimated completion December 31, 2024.
Harrods Creek Force Main Repair	December 31, 2026	\$8,400,000	Started January 15, 2020. Estimated completion August 31, 2022.
Prospect Phase II Area Sewers Rehabilitation	December 31, 2026	\$3,000,000	Started August 5, 2021. Estimated completion March 31, 2023.
Broadway Interceptor Infrastructure Rehabilitation	December 31, 2026	\$10,000,000	Certified as completed June 30, 2021.
I-64 & Grinstead Infrastructure Rehabilitation	December 31, 2026	\$16,000,000	Started April 12, 2021. Estimated completion July 31, 2023.
Large Diameter Sewer Rehabilitation	December 31, 2026	\$8,300,000	Started August 9, 2020. Estimated completion June 30, 2022.
Rudd Ave Sewer Infrastructure Rehabilitation	December 31, 2026	\$2,300,000	Started April 1, 2021. Estimated completion December 31, 2022.
Western Outfall Infrastructure Rehabilitation	December 31, 2026	\$16,000,000	Started April 2, 2021. Estimated completion June 30, 2024. Dependent on coordination with distilleries.
Nightingale Rehabilitation	December 31, 2026	\$3,000,000	Certified as completed October 15, 2021.
Morris Forman WQTC Biosolids Facility Replacement	December 31, 2030	\$198,000,000	Started December 1, 2021. Estimated completion December 31, 2026.

Figure 2.1. IOAP Activity Schedule

Budget_ID	Task Name	% Complete	2ACD Date	Start	Finish	Quarter					
						3rd Quarter Jul Aug Sep	4th Quarter Oct Nov Dec	1st Quarter Jan Feb Mar	2nd Quarter Apr May Jun		
MSD IOAP Commitments Schedule											
LONG TERM CONTROL PLAN											
H09133	Waterway Protection Tunnel	96%	12/31/22	Mon 9/12/16	Fri 4/29/22						
SANITARY SEWER DISCHARGE PLAN											
H09163	Little Cedar Creek Interceptor Improvement	0%	12/31/25	Sun 2/13/22	Tue 7/16/24						
H09164	Idlewood Inline Storage	51%	12/31/25	Tue 3/30/21	Sun 12/11/22						
H09171	Kavanaugh Rd. PS Improvements	0%	12/31/25	Fri 7/1/22	Sat 3/2/24						
H09179	Dell Rd and Charlane Pkwy Interceptor Improvements	0%	12/31/30	Tue 3/18/25	Mon 11/30/26						
H09180	Raintree and Marian Ct 1 - Raintree PS Elimination	100%	12/31/25	Mon 9/17/18	Thu 7/29/21						
H09182	Monticello PS Elimination	11%	12/31/25	Sat 1/1/22	Thu 12/22/22						
H09188	Mellwood System Improvements and PS Elimination - Winton and Mockingbird Valley Elimination	0%	12/31/30	Tue 12/16/25	Sat 10/9/27						
H09192	Cinderella PS Elimination	17%	12/31/25	Sat 10/16/21	Fri 9/8/23						
H09196	Leven PS Elimination	5%	12/31/25	Sun 1/16/22	Sun 6/11/23						
H09242	Gunpowder PS Inline Storage	0%	12/31/25	Fri 7/1/22	Sun 8/27/23						
H09200	Sutherland Interceptor	0%	12/31/30	Wed 8/16/28	Thu 5/30/30						
EARLY ACTION PLAN											
F18515	Paddys Run FPS Capacity Upgrade	5%	12/31/26	Tue 11/2/21	Wed 11/18/26						
D18116	MFWQTC Biosolids Facility Replacement	3%	12/31/30	Wed 12/1/21	Wed 10/27/27						
E17053	Buechel Trunk Sewer Rehab	0%	12/31/26	Fri 7/1/22	Mon 1/6/25						
A20280	Harrods Creek Force Main Repair	94%	12/31/26	Wed 1/15/20	Thu 3/31/22						
H16075	Prospect Phase 2 Rehab	34%	12/31/26	Thu 8/5/21	Wed 2/8/23						
H18503	I-64 and Grinstead Infrastructure Rehab.	37%	12/31/26	Mon 4/12/21	Mon 7/10/23						
H16074	Nightingale Rehab	100%	12/31/26	Fri 6/28/19	Sat 6/5/21						
A20244	Large Diameter Sewer Rehabilitation	79%	12/31/26	Wed 8/19/20	Thu 6/30/22						
H21019	Rudd Avenue Infrastructure Rehabilitation	50%	12/31/26	Thu 4/1/21	Wed 12/14/22						
H20147	Western Outfall Infrastructure Rehabilitation	26%	12/31/26	Fri 4/2/21	Sun 6/30/24						
Data date: 12/31/2021											

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. Highlights of NMC program implementation are outlined below.

3.1. NMC 1: PROPER OPERATION AND MAINTENANCE PROGRAMS

- Established performance measures and performance for the current reporting period are shown in Table 3.1
 - CSOs and flapgates are inspected weekly. Siphons are inspected monthly. Debris or repair work orders on CSO assets are required to be created the next business day after the inspection, and completed within five business days. Staff shortages due to COVID-19 as well as proximity of some CSOs to areas of civil unrest contributed to failure to achieve this goal.
 - Catch basins within the CSS are scheduled to be cleaned every 15 months. Cleaning totals have been annualized for reporting.

Table 3.1. NMC 1 Performance Measures

ACTIVITY	REQUIRED	COMPLETED	% COMPLETE	GOAL
CATCH BASIN CLEANING	8,935	7,890	88%	100%
CSO INSPECTIONS	2,668	2,477	93%	95%
DEBRIS REMOVAL / REPAIR	266	265	100%	95%
SIPHON INSPECTIONS	306	306	100%	95%
FLAPGATE INSPECTIONS	546	525	96%	95%

Table 3.2. Other NMC 1 Activities Completed

ACTIVITY	LINEAR FEET
CLEANING ACTIVITIES	175
CHEMICAL ROOT CONTROL	-
INSPECTION ACTIVITIES	95,781

- Performed scheduled cleaning and inspection on gravity mains within the CSS, shown in Table 3.2.

3.2. NMC 2: MAXIMIZATION OF STORAGE IN THE COLLECTION SYSTEM

3.2.1. REAL TIME CONTROL (RTC) OPTIMIZATION

Current Reporting Period

- Continued operation of Phase 1, 2, and 3 of the RTC system. Wet weather flow was diverted to Derek R Guthrie WQTC or stored in the system and routed to the Morris Forman WQTC once the system was able to handle the flow, summarized in Table 3.3. See Appendix H for a detailed report.
- Continued review of CSOs upstream of Morris Forman WQTC, and noted that flow through the plant is optimized via RTC prior to overflows occurring.
- Continued to implement the wet weather standard operating procedures (SOPs) incrementally, starting with a period of manual operation to validate the control assumptions, followed by increasing levels of system automation as the automated controls for individual components are implemented, validated, and then incorporated into the overall RTC system.

Table 3.3. Wet Weather Storage and Diversion to Treatment via RTC

RTC METHOD	VOLUME (MG)
Diversion to Treatment	200.5
CSO Basin Storage	1024.6
Inline Storage	525.0
Storm Basin Storage	186.2
Total	4

- Continued to monitor and evaluate the performance of the RTC system against operational objectives and issue updates to configurations and site tuning as necessary to improve performance of the recently integrated facilities and Csoft 4.
- Prepared a draft master programming guide for RTC facilities to document existing programming and parameters at each facility as a reference to ensure long term continuity of the RTC system.
- Updated the master RTC SOP manual based on comments received and continued preparation of the Rowan PS SOP.
- Completed updates to Csoft configurations related to the Logan CSO Interceptor and tag validations. Began integrating the Logan CSO Interceptor into the RTC system and validating the CSO instrumentation associated with the Logan CSO Interceptor.
- Continued development of an RTC flood mode for facilities along the Ohio River influenced by high river levels to ensure safe operations under RTC control during these conditions and reduce the need for manual operation of the storage basins.

Upcoming Reporting Period

- Continue to monitor system operability in the automated mode and refine the local site tuning of RTC facilities as needed based on performance during varying rain events.
- Continue implementing RTC SOPs and validating operations.
- Complete RTC hydraulic model updates and begin Csoft configuration testing in advance of integrating the Rowan PS facility into RTC.
- Continue reviewing and updating the master programming and modules guide.
- Continue validation of the Logan CSO Interceptor instrumentation and integration into the RTC system.
- Continue developing the RTC flood mode for facilities along the Ohio River influenced by high river levels.

3.2.2. STORAGE OPTIMIZATION

The main objective of the RTC performance assessment is to determine whether the available flow and storage capacities within the system are utilized to their optimal potential. MSD staff continues to review and prioritize strategies for performance improvement.

Current Reporting Period

- Implemented several improvements related to operating the Southwestern Parkway CSO Basin under RTC. These included:
 - Continued evaluating options to provide additional instrumentation at Gate 7 to allow development of a flow-under-the-gate equation when meters are out of service or invalid.

- Initiated a design to strengthen the mounting brackets for the flow meter immediately downstream of Gate 7 to reduce likelihood of meter failure due to water turbulence and improve reliability of the installation.
- Completed a review of gate operations at the Southern Outfall Retention #1 (SOR1) facility to identify the cause of excessive gate movements, actuator failures, and excessive stem nut wear. Identified modes of failure and developed an action plan to address identified issues. Began implementing the action plan by performing field testing of actuator signals to eliminate electrical interference as a cause for repetitive and cyclic pulsing of actuator start switches.
- Completed implementation of revised tag transfer protocols, enabling most RTC data to bypass iFix and be directly gathered from MSD's Industrial Gateway Server (IGS) OLE for Process Control server to improve reliability of the tag data transfer process and deployed a Csoft update to accommodate the longer IGS tag names.
- Completed implementing a real time validation routine for level instrumentation at the MDS and SOR1 facilities to improve the reliability of RTC data and proactively identify maintenance issues.
- Corrected programming inconsistencies that cause a critical alarm associated with a regulator dysfunction at Logan CSO Basin and the Southwestern Parkway CSO Basin due to interceptor surcharging.
- Continued evaluation of the Portland CSO Basin to identify cause of early dewatering not in line with RTC inputs.
- Began programming of Hydroweb dashboard for production of CSO and storage-related tables for used by MSD to report information.
- Began procurement for repair of the flow meter at the Southwest Outfall Retention #2 (SWOR2) facility.
- Began evaluating requirements for the installation of level sensors to improve monitoring of the Southwest Outfall and the Nightingale PS force main discharge to the Manning Road Sewer.
- Began design of improvements to the Southwest Outfall Retention #1 (SWOR1) facility to enable increasing the maximum level set point.
- Began design of the Sneads Branch PS elimination project to allow gravity dewatering to the Logan CSO Basin.

Upcoming Reporting Period

- Continue to implement hardware, software, and set-point changes as applicable on a site-by-site basis.
- Continue to refine the local site tuning of RTC facilities as needed based on performance during varying rain events.
- Continue to improve and automate operations of the facilities integrated into the system.
- Continue development of the Hydroweb dashboard.
- Reinstall the flow meter and complete the evaluation of instrumentation needs to support dewatering and flow under the gate calculations at Gate 7 near the Southwestern CSO Basin.
- Continue monitoring the real time validation routine for level instrumentation at the Main Diversion Structure (MDS) and SOR1 facilities and develop recommendations for additional site for deployment of the routine.
- Continue design improvements to the SWOR1 facility to enable increasing the maximum level set point.

- Continue to refine the local site tuning of RTC facilities as needed based on performance during varying rain events.
- Continue Design of the Sneads Branch PS elimination project.

3.3. NMC 4: MAXIMIZATION OF FLOW AT THE MORRIS FORMAN WATER QUALITY TREATMENT CENTER

3.3.1. CAPITAL PROJECTS

NMC capital project schedules for the current and upcoming reporting periods are provided in Figure 3.2. Significant projects for Morris Forman are detailed below.

- Design projects for a new heating, ventilation, and air conditioning (HVAC) system and a new boiler for the Main Equipment Building are underway.
- Construction of the Sodium Hypochlorite Building is underway and will continue through the upcoming reporting period.
- Construction of the Primary Sedimentation Basin Rehab project will begin in the upcoming reporting period.
- Construction of the Biosolids Processing Solution project will begin in the upcoming reporting period.
- A Biosolids Master Plan will begin in the upcoming reporting period.

3.3.2. MORRIS FORMAN WQTC PERFORMANCE

- Continued to maximize flow to the Morris Forman WQTC. Charts that compare plant flow at the Morris Forman WQTC with the occurrence of CSOs at the MDS and the Southwestern PS are included in Appendix I. Refer to Figure 3.1 for location of the CSOs closest to Morris Forman WQTC.
- The Final Effluent PS was in service 12 days during the reporting period.
- Morris Forman WQTC experienced plant violations throughout the reporting period due to continuing failure of the solids handling equipment and the limited availability of alternate solids disposal. Morris Forman WQTC compliance for the current reporting period is included in Table 3.4 where a “©” indicates compliance and an “X” indicates noncompliance. MSD continues to employ additional solids processing methods, including dewatered cake, an outside vendor to assist with solids handling in addition to purchasing additional liquid oxygen, and dewatering of regional solids at Derek R. Guthrie WQTC in an effort to meet permit requirements.

Figure 3.1. CSO Locations Relative to Morris Forman WQTC



3.4. NMC ACTIVITY SCHEDULE

A Gantt chart including progress of NMC projects during the reporting period can be found in Figure 3.2.

Table 3.4. Morris Forman WQTC Permit Compliance

PARAMETER	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
Ammonia Nitrogen, 30 Day Secondary Effluent	⊙	⊙	⊙	⊙	⊙	
Ammonia Nitrogen, 7 Day Secondary Effluent	⊙	⊙	⊙	⊙	⊙	
BOD, 30 Day Secondary Effluent	X	X	X	X	X	
BOD, 7 Day Secondary Effluent	X	X	X	X	X	
BOD, Percent Removal	X	X	X	X	X	
Chlorine, Residual	⊙	⊙	⊙	⊙	⊙	
Dissolved Oxygen	⊙	⊙	⊙	⊙	⊙	
Fecal Coliform, 30 Day Geomean	⊙	⊙	⊙	⊙	⊙	
Fecal Coliform, 7 Day Geomean	⊙	⊙	X	⊙	⊙	
pH	⊙	⊙	⊙	⊙	⊙	
TSS, 30 Day Secondary Effluent	X	X	X	X	X	
TSS, 7 Day Effluent	X	X	X	X	X	
TSS, Percent Removal	X	X	X	X	X	

Figure 3.2. NMC Activity Schedule

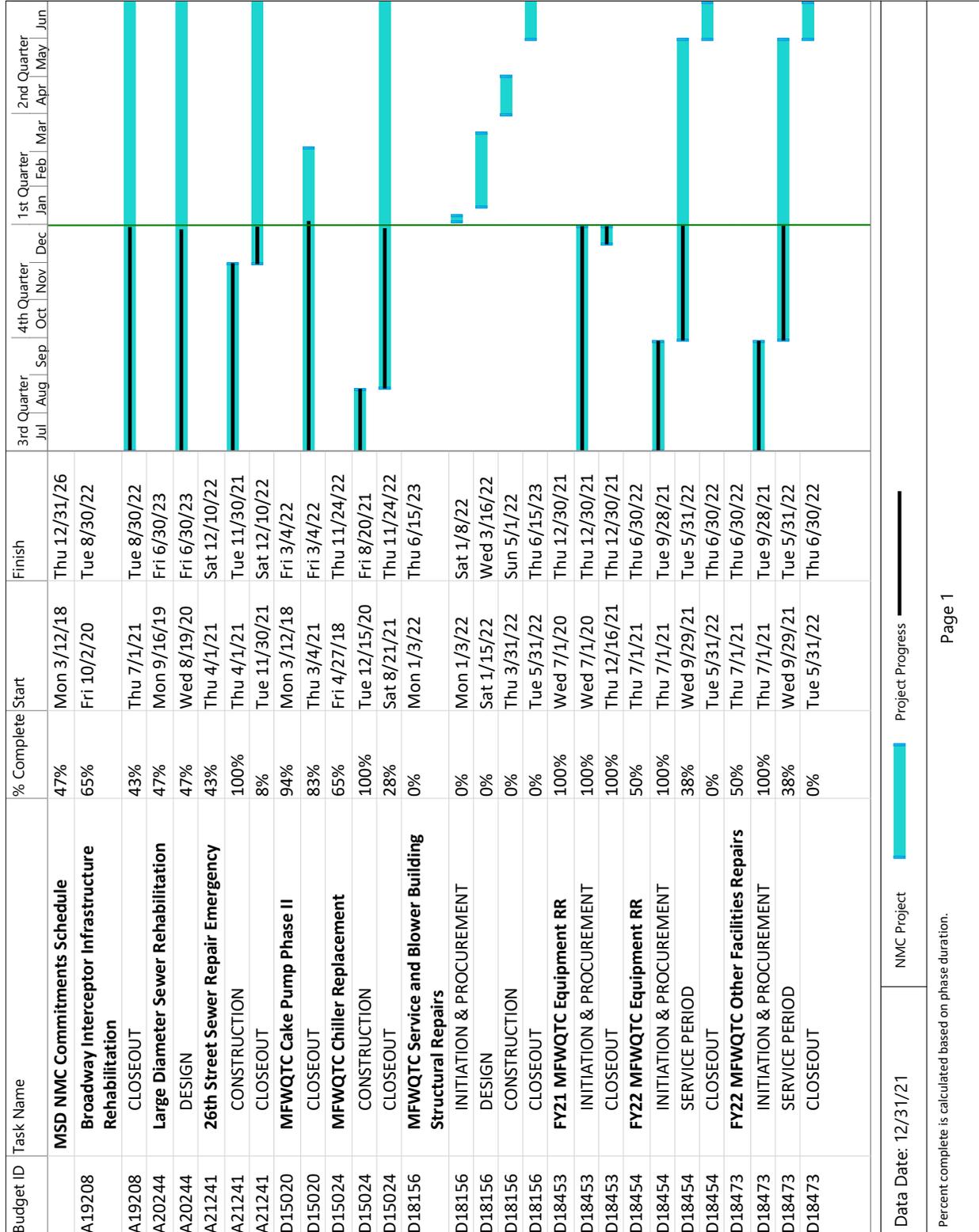


Figure 3.2. NMC Activity Schedule

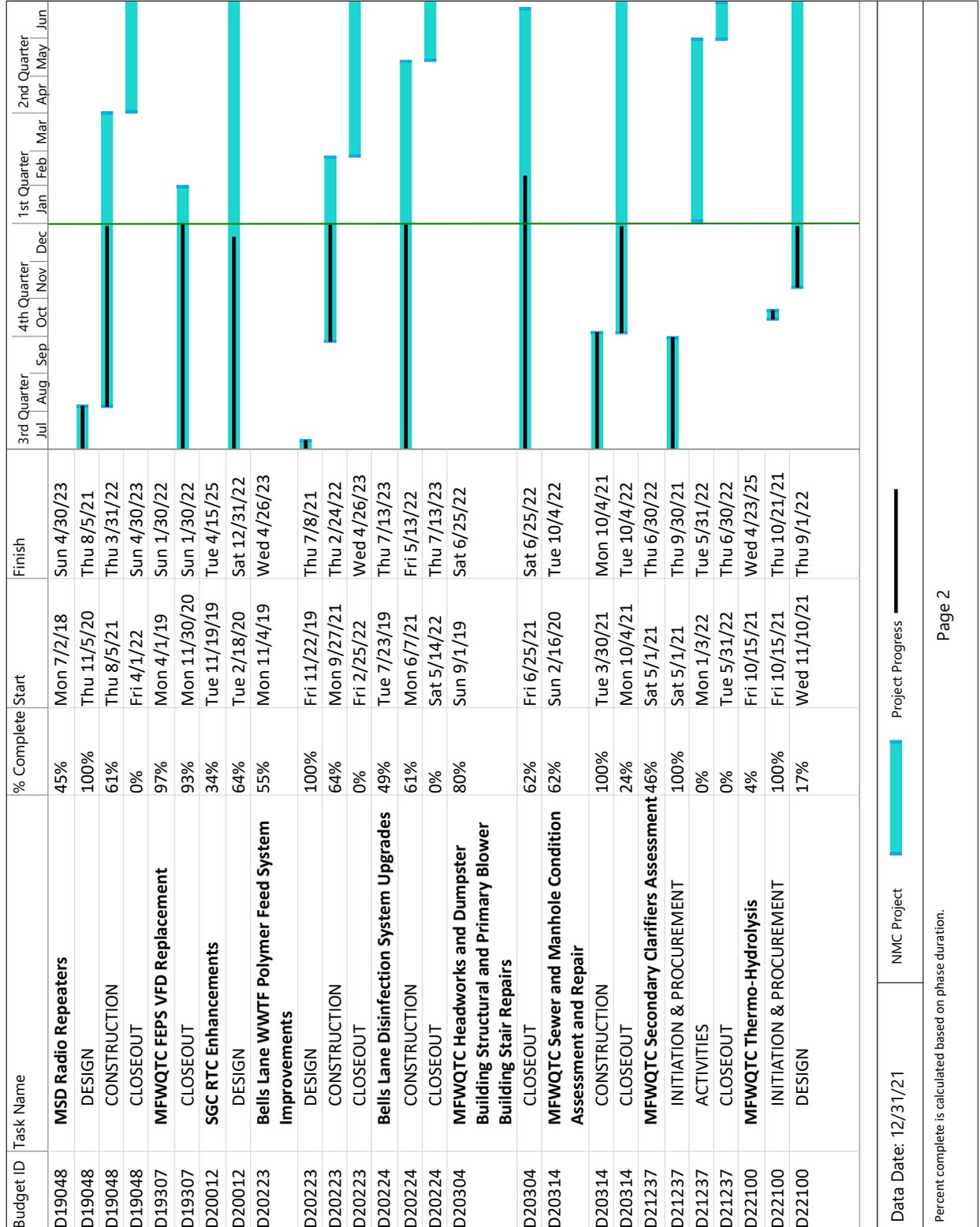
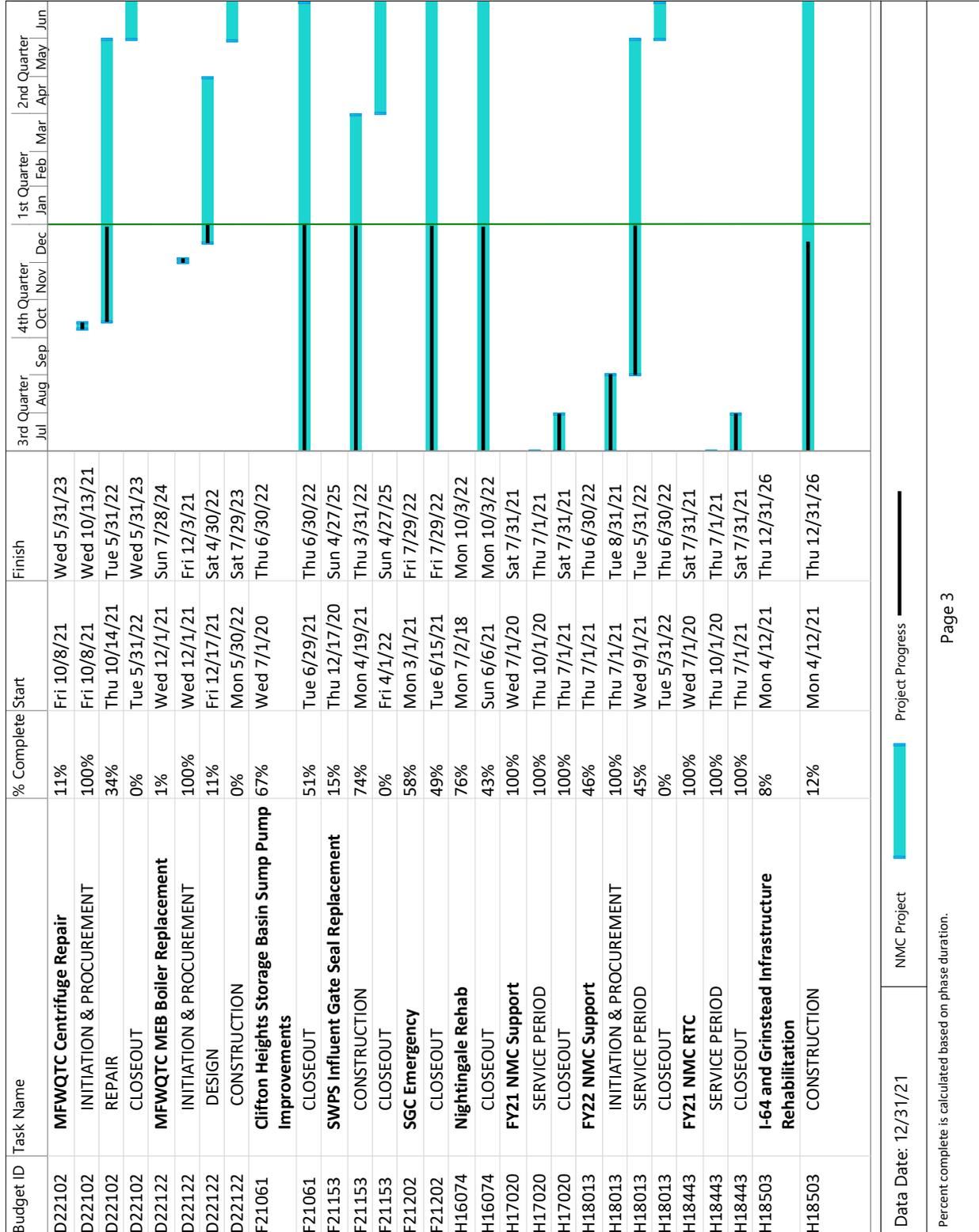


Figure 3.2. NMC Activity Schedule



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

4.1. CAPACITY MANAGEMENT OPERATIONS AND MAINTENANCE PROGRAM ACTIVITIES

4.1.1. MANAGEMENT PROGRAMS

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. Highlights of CMOM program implementation are outlined below.

M-E-8 Continuing Sewer System Assessment

- Completed cleaning and inspection in the SSS, as shown in Table 4.1.

Table 4.1. Continuing Sewer System Assessment Activities

ACTIVITY	LINEAR FEET
CHEMICAL ROOT CONTROL	116,346
CLEANING ACTIVITIES	37,373
INSPECTION ACTIVITIES	185,716

M-E-9 Infrastructure Rehabilitation

Refer to Section 2: Program Activities for Discharge Abatement Plans for more details on infrastructure rehabilitation projects identified in the IOAP. Refer to Section 7: Program Activities for Asset Management for rehabilitation projects not specifically identified in the IOAP.

M-E-10 System Capacity Assurance Program

MSD's System Capacity Assurance Plan (SCAP) was approved February 5, 2015. A copy of the approved SCAP can be viewed on the MSD Project WIN website, msdprojectwin.org.

- Reviewed wastewater capacity requests from private development as shown in Table 4.2. Running SCAP balance by sewershed can be found in Appendix J.

Table 4.2. SCAP Wastewater Capacity Request Reviews

RESULT	REVIEWS	FLOW (GAL)
CONDITIONALLY APPROVED	194	5,864,972
APPROVED	33	192,560
DENIED	1	62,400

- Significant changes were made to the wastewater capacity request approval process within IPS to support cost recovery and efficiency efforts for plan review and inspection, effective July 1, 2021. Additionally, report updates were required to account for regionalization efforts. During this reporting update effort, it was found that an error in logic resulted in underreporting of approved flow, resulting in a net negative balance in the Floyds Fork sewershed. MSD has begun to review past credit projects and plan future credit projects to address this deficit. MSD is also undertaking a review of all SCAP applications in IPS to ensure data quality and completion standards are met.

4.1.2. OPERATIONS PROGRAMS

4.1.2.1. PUMP STATION OPERATIONS PROGRAMS

O-A-1 Routine Operating Programs

O-A-2 Emergency Operating Programs

Refer to the CMOM activity schedule provided in Figure 4.1

4.2. MAINTENANCE PROGRAMS

4.2.2.1. PUMP STATION PREVENTIVE MAINTENANCE

- Continued structured maintenance for sanitary pump stations as shown in Table 4.3. This measure also includes structured maintenance at flood pump stations in the CSS.

Table 4.3. Sanitary PS Structured Maintenance

PERFORMANCE MEASURE	GOAL	RESULT
Sanitary PS Structured Maintenance Completion Rate	60.0%	92.2%

4.3. COMPREHENSIVE PERFORMANCE EVALUATIONS AND COMPOSITE CORRECTION PLANS (CPE/CCP)

Under the ACD, MSD implemented a Comprehensive Performance Evaluation (CPE) and Composite Correction Plan (CCP) program for MSD’s Water Quality Treatment Centers (WQTCs). Per Paragraphs 12 and 13 of the 2ACD, MSD timely submitted all program submittals and eliminated required WQTCs by December 31, 2015, as required. Although the ACD CPE/CCP improvements are completed, MSD will continue to implement CPE/CCP activities as part of the MSD’s CMOM program. This section will list performance measures established for the WQTCs and activities per WQTC as they occur each reporting period. Schedules for CPE/CCP related capital projects are provided in 4.4. CMOM Activity Schedule.

4.3.1. ALL WATER QUALITY TREATMENT CENTERS

- Continued structured maintenance for WQTCs as shown in Table 4.4.

Table 4.4. WQTC Structured Maintenance

PERFORMANCE MEASURE	GOAL	RESULT
WQTC Structured Maintenance Completion Rate	60.0%	63.9%

4.3.2. HITE CREEK WATER QUALITY TREATMENT CENTER

- Maintained permit compliance with effluent limitations during the reporting period.
- Achieved substantial completion of the expansion project during the reporting period, but work continues with the added scope of a third sludge holding tank. Construction is expected to be mostly complete in the upcoming reporting period.

4.3.3. FLOYDS FORK WATER QUALITY TREATMENT CENTER

- Maintained permit compliance with effluent limitations during the reporting period.
- No major capital projects were completed and none are anticipated for the upcoming reporting period.

4.3.4. DEREK R. GUTHRIE WATER QUALITY TREATMENT CENTER

- Maintained permit compliance with effluent limitations during the reporting period.
- Completed construction of the Dewatering Emergency Contract Project.
- Began construction of the Elevator Repairs Project.
- Begin design of a new building for sodium bisulfite during the upcoming reporting period.
- Continued design of the replacement of return activated sludge pumps 2 and 3 with advertisement for bid anticipated in the upcoming reporting period.

4.3.5. CEDAR CREEK WATER QUALITY TREATMENT CENTER

- Maintained permit compliance with effluent limitations during the reporting period.
- Completed construction of the effluent Parshall flume upgrade.
- Began design of new decanters and covers for sludge holding tanks.
- Began planning for re-rating of plant capacity to 9 MGD.

4.4. CMOM ACTIVITY SCHEDULE

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

Figure 4.1. CMOM Activity Schedule

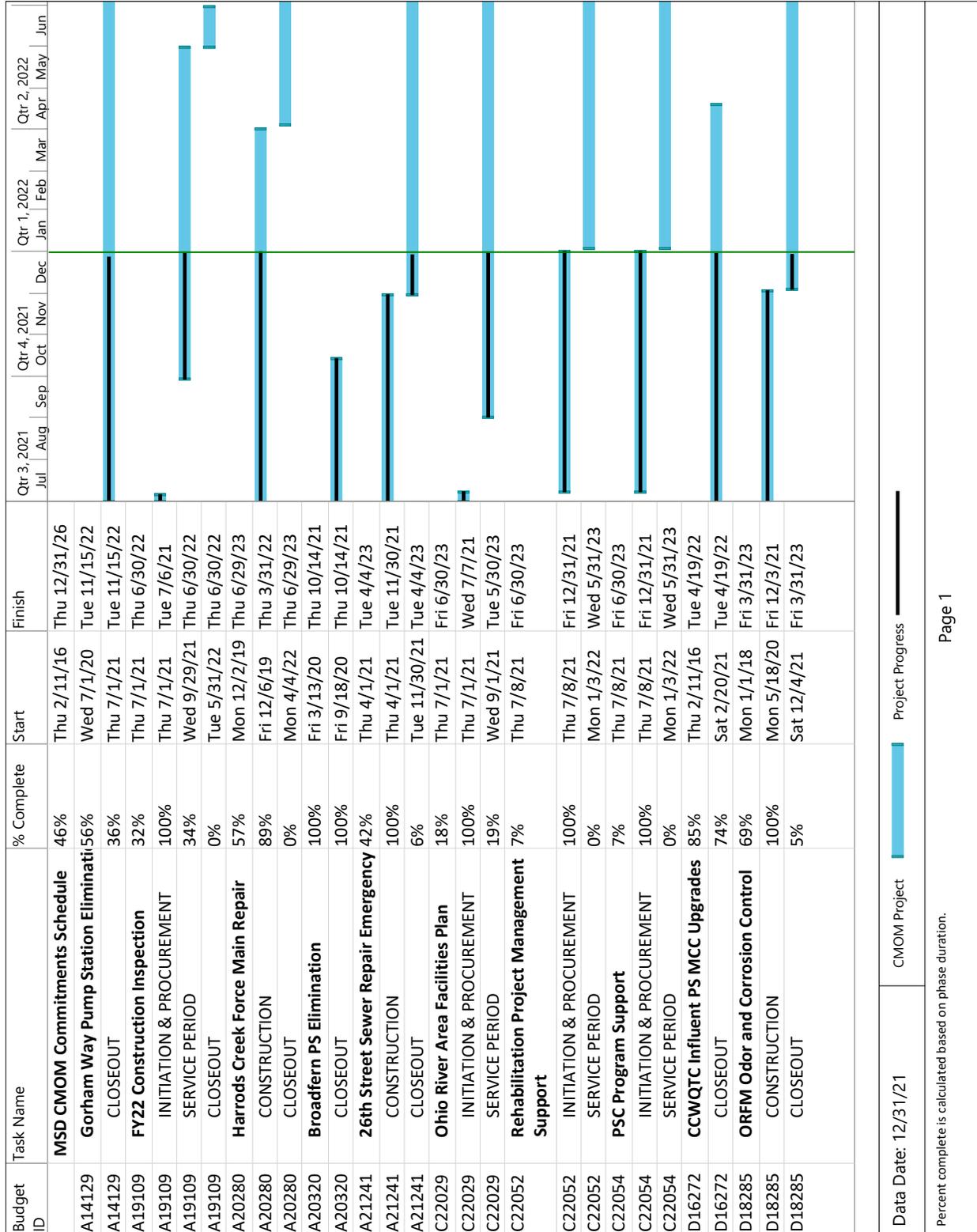
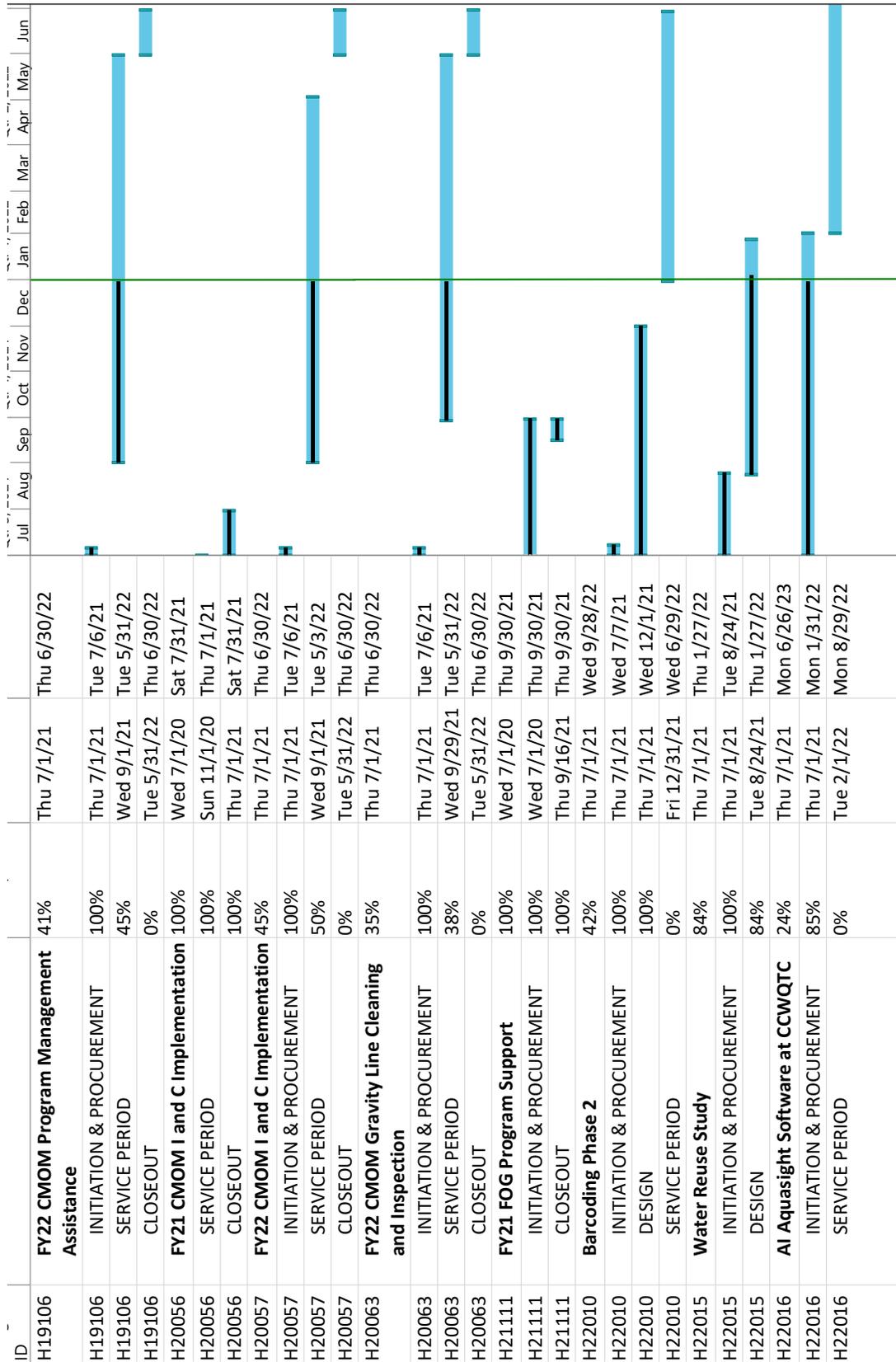




Figure 4.1. CMOM Activity Schedule

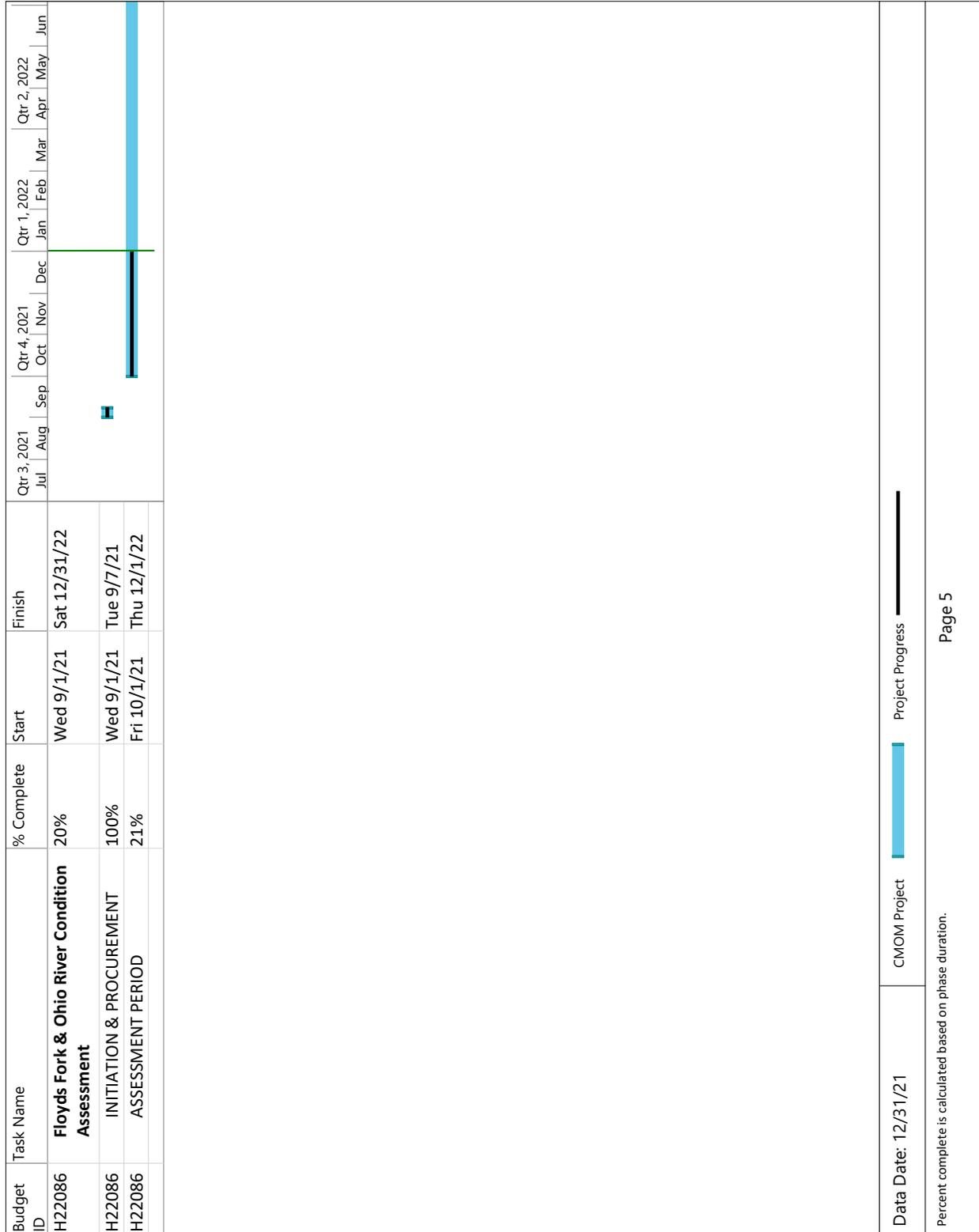


Data Date: 12/31/21

Legend: CMOM Project (Blue bar), Project Progress (Black line)

Percent complete is calculated based on phase duration.

Figure 4.1. CMOM Activity Schedule





SECTION 5: PROGRAM ACTIVITIES FOR SEWER OVERFLOW RESPONSE PROTOCOL

5.1. PROGRAM BACKGROUND

Per Paragraph 38.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 5.4. The approved document can be viewed on the MSD Project WIN website, msdprojectwin.org.

The following activities were performed during this reporting period.

5.2. OVERFLOW MANAGEMENT AND FIELD DOCUMENTATION

- Documented overflows and unauthorized discharges to waters of the US (WUS) during the reporting period as documented in Section 1.1.
- Reported discharges that reached the WUS within 24 hours as shown in Table 5.1. A significant number were reported late during the reporting period, during a single rain event route. Staff has been retrained regarding reporting time frames and responsibilities.

Table 5.1. Discharge Notifications

TOTAL DISCHARGES	REPORTED WITHIN 24 HOURS	RESULT
25	12	48%

- Hauled sewage from pump stations to mitigate sanitary overflows as indicated in Table 5.2.

Table 5.2. Hauling Operations

DUE TO	JUL	AUG	SEP	OCT	NOV	DEC
MECHANICAL FAILURE	-	-	-	-	20,000	-
STRUCTURAL FAILURE	-	-	-	70,000		-

5.3. STAFF TRAINING & COMMUNICATION

- Continued training through the online training delivery system, which allows more flexibility for employees to complete training at convenient times during the quarter and to integrate SORP training with new employee and contractor orientation. Training module descriptions can be found in the latest version of the SORP manual on the MSD Project WIN website, msdprojectwin.org.

5.4. 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. During this annual review, after discussion with KDEP/EPA, MSD modified the format to apply to all service areas owned and / or operated by MSD. The updated manual includes details related to each service area as an appendix, including any additional requirements specific to the service area. Appendix K lists detailed proposed changes to the SORP as a result of MSD's annual review.

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

6.1. PUBLIC NOTIFICATION PROGRAM

MSD has developed a program aimed at notifying the community of the objectives of the 2ACD, and ways to reduce the risks of coming into contact with sewage overflows.

6.2. PUBLIC EDUCATION PROGRAMS

A public education program about Louisville MSD's primary business functions of wastewater treatment, storm-water management and flood protection has been developed and is in use across multiple platforms. MSD uses earned media through local and regional outlets to educate the public about MSD's vital services, initiatives, 2ACD projects and more.

6.2.1. RADIO AND TV ACTIVITIES

- Coordinated with Metro TV to air broadcasts of public input meetings listed in Appendix L. More information about public information meetings can be found in Section 6.3.1.

6.2.2. DIGITAL MEDIA ACTIVITIES

Social media, MSD's website (louisvillemad.org), and MSD's Project WIN website (msdprojectwin.org) are important methods to reach and educate the public. MSD is on Facebook, Twitter and Instagram.

6.3. PUBLIC OUTREACH PROGRAMS

MSD has developed a public education program aimed at expanding the public's knowledge of MSD's primary business functions of wastewater, stormwater and flood protection, with an emphasis on 2ACD program elements.

6.3.1. IOAP PROJECT AND PROGRAM MEETINGS

6.3.1.1. WET WEATHER TEAM

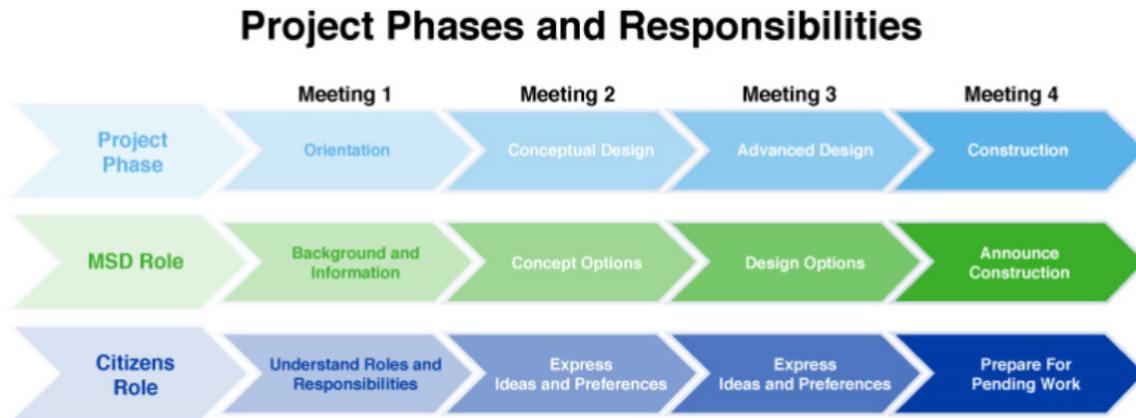
MSD facilitates meetings for the Wet Weather Team and the public to review regulatory commitments, update progress on projects and initiatives, and to gather public input on efforts.

- A Wet Weather Team meeting was held on December 16, 2021.
- A Wet Weather Team meeting is anticipated to be scheduled during the upcoming reporting period.

6.3.1.2. STRUCTURED PUBLIC INVOLVEMENT MEETINGS

MSD has developed a partnership with Louisville Metro for providing project information and soliciting feedback from stakeholders using a Structured Public Involvement approach. Structured Public Involvement is meant to facilitate relevant input on the design process as illustrated in Figure 6.1. The current IOAP outreach activities and public meetings are using this process to elicit qualitative and quantitative information and enhance engagement with customers. Additional information regarding the Structured Public Involvement Process and meetings held during this reporting period may be found on the MSD Project WIN website, msdprojectwin.org/public-input. MSD held no Structured Public Involvement meetings during the current reporting period.

Figure 6.1. MSD’s Structured Public Involvement Meeting Process



SECTION 7: PROGRAM ACTIVITIES FOR ASSET MANAGEMENT

Per Paragraph 40 of the 2ACD, MSD was required to submit an Asset Management (AM) Plan to KDEP/EPA for review and joint approval by June 30, 2021. The Strategic Asset Management Plan was submitted on June 30, 2021 and 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.

Figure 7.1. Asset Management Schedule

Budget ID	Task Name	% Complete	Start	Finish	3rd Quarter			4th Quarter			1st Quarter			2nd Quarter		
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
	MSD Asset Management Annual Commitments Schedule	52%	Sun 3/29/09	Sun 5/2/27												
A14129	Gorham Way Pump Station Elimination	54%	Wed 7/1/20	Tue 11/15/22												
A14129	CLOSEOUT	34%	Thu 7/1/21	Tue 11/15/22												
A20320	Broadfern PS Elimination	100%	Fri 3/13/20	Thu 10/14/21												
A20320	CLOSEOUT	100%	Fri 9/18/20	Thu 10/14/21												
A21241	26th Street Sewer Repair Emergency	40%	Thu 4/1/21	Tue 4/4/23												
A21241	CONSTRUCTION	100%	Thu 4/1/21	Tue 11/30/21												
A21241	CLOSEOUT	2%	Tue 11/30/21	Tue 4/4/23												
C22028	Lower Floyds Fork Facilities Plan	19%	Thu 7/1/21	Fri 6/30/23												
C22028	INITIATION & PROCUREMENT	100%	Thu 7/1/21	Wed 7/7/21												
C22028	SERVICE PERIOD	18%	Wed 9/1/21	Fri 6/23/23												
C22052	Rehabilitation Project Management Support	12%	Thu 7/8/21	Fri 6/30/23												
C22052	INITIATION & PROCUREMENT	100%	Thu 7/8/21	Fri 12/31/21												
C22052	SERVICE PERIOD	6%	Mon 1/3/22	Wed 5/31/23												
C22054	PSC Program Support	12%	Thu 7/8/21	Fri 6/30/23												
C22054	INITIATION & PROCUREMENT	100%	Thu 7/8/21	Fri 12/31/21												
C22054	SERVICE PERIOD	6%	Mon 1/3/22	Wed 5/31/23												
D15020	MFWQTC Cake Pump Phase II	95%	Mon 3/12/18	Tue 5/3/22												
D15020	CLOSEOUT	86%	Thu 3/4/21	Tue 5/3/22												
D15024	MFWQTC Chiller Replacement	68%	Fri 4/27/18	Thu 11/24/22												
D15024	CONSTRUCTION	100%	Tue 12/15/20	Fri 8/20/21												
D15024	CLOSEOUT	33%	Sat 8/21/21	Thu 11/24/22												
D16272	CCWQTC Influent PS MCC Upgrades	85%	Thu 2/11/16	Tue 4/19/22												
D16272	CLOSEOUT	74%	Sat 2/20/21	Tue 4/19/22												
D17032	CCWQTC Tertiary Filtration	0%	Wed 11/3/21	Thu 10/2/25												
D17032	INITIATION & PROCUREMENT	100%	Wed 11/3/21	Mon 11/8/21												
D17032	DESIGN	0%	Tue 2/1/22	Fri 12/2/22												
D18128	DRGWQTC Paving	100%	Tue 5/21/19	Thu 12/23/21												
D18128	CLOSEOUT	100%	Wed 12/23/20	Thu 12/23/21												

Data Date: 12/31/21

NMC Project

Project Progress

Percent complete is calculated based on phase duration.

**SECOND AMENDED CONSENT DECREE
MID-YEAR STATUS REPORT FY22
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Figure 7.1. Asset Management Schedule

Budget ID	Task Name	% Complete	Start	Finish	3rd Quarter			4th Quarter			1st Quarter			2nd Quarter		
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
D18156	MFWQTC Service and Blower Building Structural Repairs	1%	Thu 7/1/21	Tue 4/11/23												
D18156	INITIATION & PROCUREMENT	100%	Thu 7/1/21	Wed 7/7/21												
D18156	DESIGN	0%	Sat 1/15/22	Wed 3/16/22												
D18156	CONSTRUCTION	0%	Thu 3/31/22	Sun 5/1/22												
D18156	CLOSEOUT	0%	Tue 5/31/22	Tue 4/11/23												
D18285	ORFM Odor and Corrosion Control	72%	Mon 1/1/18	Tue 1/31/23												
D18285	CONSTRUCTION	100%	Mon 5/18/20	Fri 12/3/21												
D18285	CLOSEOUT	6%	Sat 12/4/21	Tue 1/31/23												
D18292	DRGWQTC Clarifier Grout Repair and RAS Gate Replacement	64%	Wed 1/31/18	Fri 10/20/23												
D18292	CONSTRUCTION	93%	Mon 12/9/19	Mon 2/28/22												
D18292	CLOSEOUT	0%	Tue 3/1/22	Fri 10/20/23												
D18453	FY21 MFWQTC Equipment RR	100%	Wed 7/1/20	Thu 12/30/21												
D18453	INITIATION & PROCUREMENT	100%	Wed 7/1/20	Thu 12/30/21												
D18453	CLOSEOUT	100%	Thu 12/16/21	Thu 12/30/21												
D18454	FY22 MFWQTC Equipment RR	35%	Thu 7/1/21	Thu 6/30/22												
D18454	INITIATION & PROCUREMENT	100%	Thu 7/1/21	Tue 7/6/21												
D18454	SERVICE PERIOD	38%	Wed 9/29/21	Tue 5/31/22												
D18454	CLOSEOUT	0%	Tue 5/31/22	Thu 6/30/22												
D18473	MFWQTC Alpha Laval Centrifuge Repair	35%	Thu 7/1/21	Thu 6/30/22												
D18473	INITIATION & PROCUREMENT	100%	Thu 7/1/21	Tue 7/6/21												
D18473	SERVICE PERIOD	38%	Wed 9/29/21	Tue 5/31/22												
D18473	CLOSEOUT	0%	Tue 5/31/22	Thu 6/30/22												
D18489	Fairmount Road Pump Station Force Main Extension - Phase 1	56%	Thu 8/15/19	Mon 2/27/23												
D18489	CONSTRUCTION	87%	Tue 7/6/21	Fri 1/28/22												
D18489	CLOSEOUT	0%	Tue 11/30/21	Mon 2/27/23												
D19039	CCWQTC Effluent Parshall Flume Upgrade	65%	Tue 6/4/19	Wed 11/30/22												
D19039	CONSTRUCTION	100%	Tue 2/23/21	Tue 11/30/21												
D19039	CLOSEOUT	14%	Tue 11/30/21	Wed 11/30/22												
D19275	MDS Downstream Flow Meter	100%	Tue 1/1/19	Sat 9/4/21												
D19275	CLOSEOUT	100%	Fri 9/4/20	Sat 9/4/21												

Data Date: 12/31/21

Legend: █ NMC Project █ Project Progress

Percent complete is calculated based on phase duration.



Figure 7.1. Asset Management Schedule

Budget ID	Task Name	% Complete	Start	Finish	3rd Quarter			4th Quarter			1st Quarter			2nd Quarter		
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
D20351	DESIGN	61%	Mon 8/24/20	Mon 9/19/22												
D20351	EASEMENTS/LAND ACQUISITION	21%	Wed 7/1/20	Wed 2/8/23												
D21059	Asset Management Plan Development	31%	Wed 7/1/20	Mon 8/14/23												
D21059	DESIGN	31%	Wed 7/1/20	Fri 6/30/23												
D21079	Fairmount Road Pump Station Force Main Extension - Phase 2	13%	Tue 6/1/21	Tue 11/12/24												
D21079	INITIATION & PROCUREMENT	100%	Tue 6/1/21	Mon 9/20/21												
D21079	DESIGN	20%	Mon 9/20/21	Fri 12/30/22												
D21095	FY22 Regional WQTC Equipment RR	10%	Thu 7/1/21	Fri 7/1/22												
D21095	INITIATION & PROCUREMENT	100%	Thu 7/1/21	Sun 8/1/21												
D21095	CLOSEOUT	9%	Sun 8/1/21	Fri 7/1/22												
D21129	DRGWQTC Elevator Repairs	45%	Thu 6/25/20	Tue 2/21/23												
D21129	CONSTRUCTION	88%	Wed 2/10/21	Mon 1/31/22												
D21129	CLOSEOUT	2%	Thu 12/23/21	Tue 2/21/23												
D21181	MFWQTC Sodium Hypochlorite Building Floor Repair	100%	Fri 1/1/21	Mon 5/23/22												
D21181	DESIGN	100%	Mon 1/25/21	Mon 5/23/22												
D21208	MFWQTC Administration Bldg Exterior Repairs	32%	Mon 3/15/21	Mon 1/30/23												
D21208	DESIGN	100%	Fri 4/30/21	Thu 8/26/21												
D21208	CONSTRUCTION	78%	Thu 8/26/21	Sun 1/30/22												
D21208	CLOSEOUT	0%	Sun 1/30/22	Mon 1/30/23												
D21209	DRG WWPS Vibration Analysis Testing of Pump 1A and 2B	100%	Mon 3/15/21	Sat 7/31/21												
D21209	ANALYSIS PERIOD	100%	Wed 3/31/21	Sat 7/31/21												
D21222	DRGWQTC Grit Building Roof Replacement	56%	Thu 4/15/21	Sat 5/6/23												
D21222	DESIGN	100%	Mon 5/17/21	Tue 9/28/21												
D21222	CONSTRUCTION	41%	Fri 11/12/21	Sat 3/12/22												
D21222	CLOSEOUT	0%	Fri 6/10/22	Sat 5/6/23												
D21223	HCWQTC Grit Building Roof Replacement	100%	Thu 4/15/21	Thu 9/30/21												
D21223	DESIGN	100%	Mon 5/17/21	Fri 8/20/21												
D21223	CLOSEOUT	100%	Thu 9/30/21	Thu 9/30/21												
D21224	DRGWQTC Sodium Hypochlorite and Process Water Buildings Roof Replacement	64%	Thu 4/15/21	Tue 5/16/23												
D21224	DESIGN	100%	Mon 5/17/21	Fri 10/8/21												

Legend: █ NMC Project █ Project Progress

Data Date: 12/31/21

Percent complete is calculated based on phase duration.

Figure 7.1. Asset Management Schedule

Budget ID	Task Name	% Complete	Start	Finish	3rd Quarter			4th Quarter			1st Quarter			2nd Quarter					
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
D21224	CONSTRUCTION	33%	Mon 11/22/21	Tue 3/22/22															
D21224	CLOSEOUT	0%	Mon 6/20/22	Tue 5/16/23															
D21226	DRGWQTC WWPS Building Roof Replacement	100%	Thu 4/15/21	Wed 9/8/21															
D21226	DESIGN	100%	Thu 4/29/21	Sat 8/28/21															
D21226	CLOSEOUT	100%	Wed 9/8/21	Wed 9/8/21															
D21230	DRG RAS Pumps 2 and 3 Replacement	30%	Wed 5/5/21	Thu 4/27/23															
D21230	DESIGN	84%	Tue 5/11/21	Mon 5/2/22															
D21237	MFWQTC Secondary Clarifiers Assessment	46%	Sat 5/1/21	Thu 6/30/22															
D21237	INITIATION & PROCUREMENT	100%	Sat 5/1/21	Thu 9/30/21															
D21237	ACTIVITIES	0%	Mon 1/3/22	Tue 5/31/22															
D21237	CLOSEOUT	0%	Tue 5/31/22	Thu 6/30/22															
D21238	SWPS Screens CFD Modeling	100%	Tue 5/18/21	Sat 12/4/21															
D21238	CLOSEOUT	100%	Wed 6/16/21	Sat 12/4/21															
D21239	MFWQTC Groundwater Wells Assistance	53%	Tue 5/18/21	Sat 7/30/22															
D21239	DESIGN	57%	Mon 5/24/21	Thu 6/30/22															
D21239	CLOSEOUT	0%	Thu 6/30/22	Sat 7/30/22															
D21242	DRGWQTC Lab Upgrade	14%	Tue 6/1/21	Mon 1/29/24															
D21242	DESIGN	48%	Wed 6/2/21	Sat 6/18/22															
D21247	MFWQTC MEB HVAC Replacement	10%	Tue 6/15/21	Wed 5/21/25															
D21247	DESIGN	34%	Mon 6/21/21	Tue 10/4/22															
D22042	FFWQTC Power Factor Correction	29%	Mon 5/24/21	Fri 7/28/23															
D22042	DESIGN	100%	Mon 5/24/21	Wed 12/15/21															
D22042	CONSTRUCTION	0%	Sat 1/29/22	Thu 7/28/22															
D22074	Bells Ln WWTF/SWPS Liquid Vapor Sampling	100%	Wed 9/1/21	Sun 10/31/21															
D22074	INITIATION & PROCUREMENT	100%	Wed 9/1/21	Tue 9/7/21															
D22074	SAMPLING	100%	Wed 9/22/21	Fri 10/1/21															
D22074	CLOSEOUT	100%	Fri 10/1/21	Sun 10/31/21															
D22098	CCWQTC Re-rating to 9_0 MGD	6%	Fri 10/1/21	Wed 7/23/25															
D22098	INITIATION & PROCUREMENT	100%	Fri 10/1/21	Thu 10/7/21															
D22098	DESIGN	29%	Tue 10/12/21	Wed 11/30/22															
D22100	MFWQTC Thermo-Hydrolysis	4%	Fri 10/15/21	Wed 4/23/25															
Data Date: 12/31/21					Project Progress														
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	3rd Quarter			4th Quarter			1st Quarter			2nd Quarter		
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
D22100	INITIATION & PROCUREMENT	100%	Fri 10/15/21	Thu 10/21/21												
D22100	DESIGN	17%	Wed 11/10/21	Thu 9/1/22												
D22102	MFWQTC Centrifuge Repair	0%	Fri 10/15/21	Mon 9/4/23												
D22102	INITIATION & PROCUREMENT	100%	Fri 10/15/21	Thu 10/21/21												
D22102	Spending Start	0%	Sat 1/1/22	Tue 2/15/22												
D22102	SERVICE PERIOD	0%	Mon 6/6/22	Sun 9/4/22												
D22122	MFWQTC MEB Boiler Replacement	2%	Wed 12/1/21	Mon 4/1/24												
D22122	INITIATION & PROCUREMENT	100%	Wed 12/1/21	Fri 12/3/21												
D22122	DESIGN	11%	Fri 12/17/21	Sat 4/30/22												
D22122	CONSTRUCTION	0%	Mon 5/30/22	Sun 4/2/23												
E15035	Lake Forest Pump Station Eliminations	13%	Mon 7/5/21	Sat 12/31/22												
E15035	INITIATION & PROCUREMENT	100%	Mon 7/5/21	Fri 7/9/21												
E15035	DESIGN	20%	Thu 12/2/21	Tue 5/3/22												
E15035	EASEMENTS/LAND ACQUISITION	24%	Thu 12/2/21	Fri 4/1/22												
E15035	CONSTRUCTION	0%	Fri 6/17/22	Tue 11/1/22												
E18469	FY22 CMOM Collection System PS RR	2%	Thu 7/1/21	Thu 6/30/22												
E18469	INITIATION & PROCUREMENT	100%	Thu 7/1/21	Tue 7/6/21												
E18469	SERVICE PERIOD	0%	Wed 9/29/21	Tue 5/31/22												
E18469	CLOSEOUT	0%	Tue 5/31/22	Thu 6/30/22												
E21062	Modesto Pump Station Elimination	18%	Thu 6/3/21	Tue 2/27/24												
E21062	DESIGN	51%	Sun 8/1/21	Fri 6/10/22												
E21066	Pirogue Court Pump Station Elimination	9%	Thu 6/3/21	Sun 9/1/24												
E21066	DESIGN	44%	Fri 10/1/21	Tue 5/31/22												
E21066	EASEMENTS/LAND ACQUISITION	0%	Sat 1/1/22	Sat 4/30/22												
E21070	Rosa Terrace PS Elimination	41%	Wed 7/1/20	Sat 4/6/24												
E21070	DESIGN	95%	Tue 9/15/20	Tue 3/8/22												
E21070	CONSTRUCTION	0%	Mon 5/9/22	Sun 2/5/23												
E21071	Wathen Lane PS Rehabilitation	45%	Wed 7/1/20	Fri 12/1/23												
E21071	DESIGN	88%	Mon 8/31/20	Mon 2/21/22												
E21071	EASEMENTS/LAND ACQUISITION	100%	Tue 2/16/21	Tue 9/7/21												
E21071	CONSTRUCTION	0%	Mon 4/4/22	Sat 10/1/22												
E21090	Sonne Avenue PS Elimination	40%	Wed 7/1/20	Fri 3/1/24												

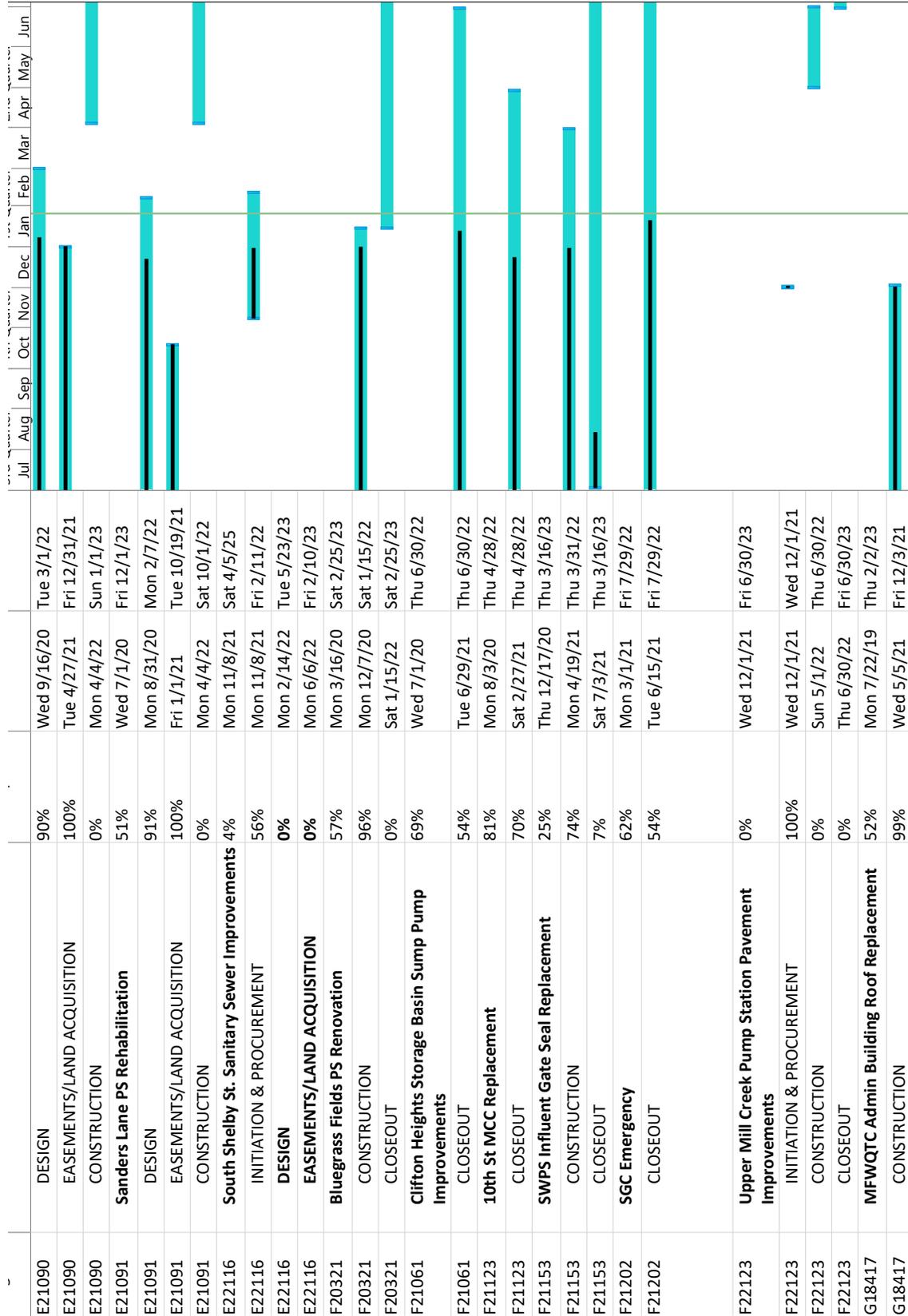
Data Date: 12/31/21

NMC Project

Project Progress

Percent complete is calculated based on phase duration.

Figure 7.1. Asset Management Schedule



Data Date: 12/31/21

NMC Project

Project Progress

Percent complete is calculated based on phase duration.

Figure 7.1. Asset Management Schedule

Budget ID	Task Name	% Complete	Start	Finish	3rd Quarter			4th Quarter			1st Quarter			2nd Quarter					
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
H20153	SWPS Flood Repair	100%	Tue 6/4/19	Mon 11/1/21															
H20153	CLOSEOUT	100%	Wed 9/2/20	Mon 11/1/21															
H22009	FY22 WQTC Engineering Support	35%	Thu 7/1/21	Thu 6/30/22															
H22009	INITIATION & PROCUREMENT	100%	Thu 7/1/21	Tue 7/6/21															
H22009	SERVICE PERIOD	34%	Wed 9/29/21	Thu 6/30/22															
H22009	CLOSEOUT	0%	Thu 6/30/22	Thu 6/30/22															
H22014	MFWQTC Groundwater Dewatering System Automation	1%	Thu 6/3/21	Tue 6/25/24															
H22014	DESIGN	1%	Tue 12/28/21	Tue 9/27/22															
H22017	Regional Biosolids Management Study	7%	Thu 7/1/21	Tue 1/31/23															
H22017	INITIATION & PROCUREMENT	100%	Thu 7/1/21	Wed 7/7/21															
H22017	DESIGN	8%	Thu 7/1/21	Sat 12/31/22															
H22018	CCWQTC Sludge Storage Tank Improvements	13%	Thu 7/1/21	Thu 3/28/24															
H22018	INITIATION & PROCUREMENT	100%	Thu 7/1/21	Wed 7/7/21															
H22018	DESIGN	36%	Wed 9/1/21	Mon 8/1/22															
H22022	SGC Gate Replacements	25%	Thu 7/1/21	Thu 3/30/23															
H22022	INITIATION & PROCUREMENT	100%	Thu 7/1/21	Wed 7/7/21															
H22022	CONSTRUCTION	67%	Thu 7/1/21	Wed 3/30/22															
H22022	CLOSEOUT	0%	Wed 3/30/22	Thu 3/30/23															
H22032	DRGWQTC Sodium Bisulfite Bldg Improvement	0%	Thu 7/1/21	Tue 10/14/25															
H22032	INITIATION & PROCUREMENT	100%	Thu 7/1/21	Wed 7/7/21															
H22032	DESIGN	0%	Mon 1/3/22	Fri 11/18/22															
H22034	CC FF HC Sodium Aluminate Automation	14%	Thu 7/1/21	Sun 12/10/23															
H22034	INITIATION & PROCUREMENT	100%	Thu 7/1/21	Wed 7/7/21															
H22034	DESIGN	18%	Tue 11/2/21	Sun 10/2/22															
H22038	Sneads Branch Pump Replacement	11%	Tue 9/7/21	Mon 12/4/23															
H22038	INITIATION & PROCUREMENT	100%	Tue 9/7/21	Fri 9/10/21															
H22038	DESIGN	24%	Wed 11/17/21	Tue 5/24/22															
H22038	CONSTRUCTION	0%	Thu 6/23/22	Tue 2/7/23															
H22086	Floyds Fork & Ohio River Condition Assessment	20%	Wed 9/1/21	Sat 12/31/22															
H22086	INITIATION & PROCUREMENT	100%	Wed 9/1/21	Tue 9/7/21															

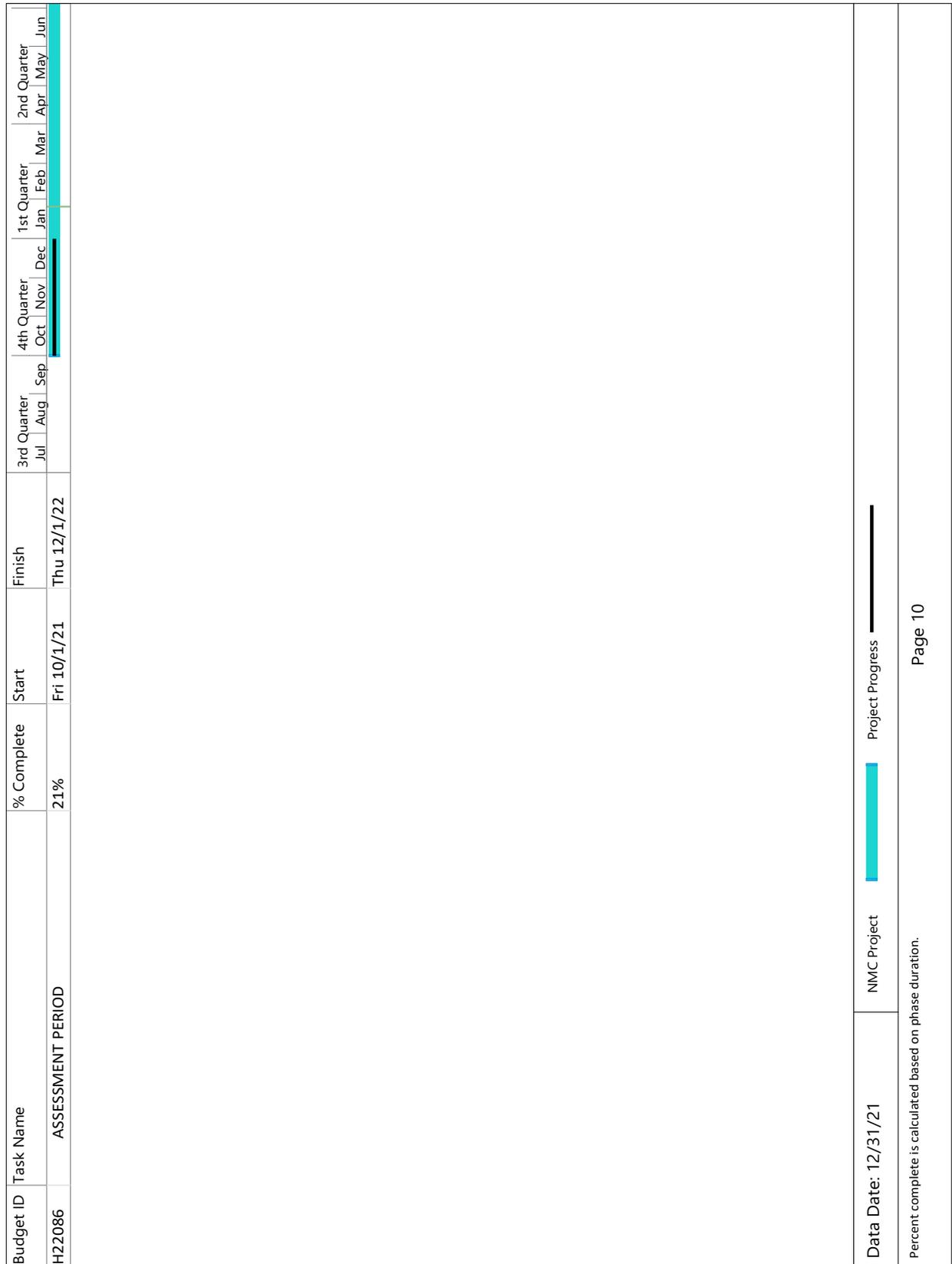
Data Date: 12/31/21

NMC Project

Project Progress

Percent complete is calculated based on phase duration.

Figure 7.1. Asset Management Schedule



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APPENDIX A

AUTHORIZED DISCHARGES - WET WEATHER CSOs

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**SECOND AMENDED CONSENT DECREE
MID-YEAR STATUS REPORT FY22
JULY 1, 2021 - DECEMBER 31, 2021**



CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (INCH)	DISCHARGE PER RAIN	FREQUENCY (YR)	PERIOD (HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
CSO015	7/1/2021 11:00	7/1/2021 17:30	390	2	41,780,920					82,726,222	1
	8/30/2021 13:30	8/30/2021 14:30	60	0	3,238,945					1,878,588	1
	9/20/2021 6:00	9/20/2021 7:45	105	2	1,659,988					3,485,933	1
	10/3/2021 10:00	10/3/2021 10:45	45	1	6,379,933					7,209,324	1
CSO015 Total										95,300,067	4
CSO016	7/1/2021 11:15	7/1/2021 19:30	495	2	4,532,036					9,426,634	1
	7/8/2021 19:45	7/8/2021 21:00	75	0	374,137					112,241	1
	7/10/2021 9:30	7/10/2021 9:45	15	0	17,196					4,643	1
	7/10/2021 19:15	7/11/2021 7:30	735	2	4,924,124					7,730,875	1
	7/12/2021 9:00	7/12/2021 17:00	480	1	5,249,887					7,087,348	1
	7/16/2021 22:30	7/17/2021 8:45	615	1	5,783,901					8,270,978	1
	8/9/2021 11:15	8/9/2021 12:45	90	0	775,629					349,033	1
	8/26/2021 19:45	8/26/2021 23:15	210	0	370,296,500					3,702,965	1
	8/27/2021 15:00	8/27/2021 18:15	195	0	47,500,350					3,800,028	1
	8/30/2021 13:00	8/30/2021 21:30	510	0	13,936,516					8,780,005	1
	9/5/2021 5:15	9/5/2021 18:30	795	1	14,130,543					14,271,848	1
	9/19/2021 15:30	9/19/2021 19:15	225	2	931,489					2,058,590	1
	9/20/2021 4:30	9/20/2021 19:15	885	2	7,193,501					15,897,638	1
	9/22/2021 0:30	9/22/2021 21:00	1230	2	6,174,809					10,435,428	1
	10/3/2021 9:45	10/3/2021 19:15	570	0	10,650,585					10,331,067	1
	10/5/2021 20:45	10/6/2021 1:30	285	0	9,686,126					4,455,618	1
	10/25/2021 5:30	10/25/2021 9:45	255	0	3,149,946					1,511,974	1
	12/6/2021 7:15	12/6/2021 10:45	210	0	1,880,081					1,165,650	1
	12/11/2021 1:30	12/11/2021 11:45	615	1	6,660,709					7,859,637	1
	12/16/2021 17:00	12/16/2021 17:30	30	0	261,886					73,328	1
	12/17/2021 18:15	12/18/2021 1:00	405	0	3,362,447					1,916,595	1
	12/29/2021 0:15	12/29/2021 3:15	180	0	1,190,488					809,532	1
CSO016 Total										120,051,655	22
CSO019	7/1/2021 7:00	7/29/2021 12:45	40665	1	2,673,332					3,555,532	1
	8/9/2021 10:00	8/9/2021 13:15	195	0	34,303		24	Atlas		10,977	1
	8/17/2021 14:15	8/19/2021 7:15	2460	0	72,538		24	Atlas		9,430	1
	8/26/2021 19:15	9/27/2021 10:00	45525	0	2,428,999,157		24	Atlas		2,161,809,250	1
	10/3/2021 9:00	10/15/2021 19:00	17880	0	1,179,072		24	Atlas		966,839	1
	10/24/2021 7:00	10/25/2021 12:15	1755	0	150,373		24	Atlas		82,705	1



**SECOND AMENDED CONSENT DECREE
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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (INCH)	DISCHARGE PER RAIN	FREQUENCY (YR)	PERIOD (HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
	12/10/2021 23:15	12/11/2021 18:30	1155	1	5,041,833	0	24	Atlas		5,243,506	1
CSO019 Total										2,171,678,239	7
CSO022	8/26/2021 20:15	8/26/2021 20:30	15	3	183,262	0	24	Atlas		516,798	1
	10/3/2021 10:30	10/3/2021 10:30	0	1	232,203	0	24	Atlas		332,051	1
CSO022 Total										848,849	2
CSO023	8/26/2021 20:30	8/26/2021 20:30	0	3	234,441	0	3	Atlas		661,125	1
	9/20/2021 9:00	9/20/2021 9:00	0	2	9,292	0	3	Atlas		19,235	1
CSO023 Total										680,360	2
CSO027	8/26/2021 19:15	8/26/2021 19:15	0	3	598	0	6	Atlas		1,673	1
	10/3/2021 9:30	10/3/2021 9:45	15	2	3,275	0	6	Atlas		5,077	1
CSO027 Total										6,750	2
CSO028	8/26/2021 19:00	8/26/2021 19:45	45	3	414,555	0	3	Atlas		1,160,753	1
	8/27/2021 14:45	8/27/2021 14:45	0	0	8,266	0	3	Atlas		4,629	1
	10/3/2021 9:15	10/3/2021 9:45	30	2	262,118	0	3	Atlas		406,283	1
	10/5/2021 20:30	10/5/2021 20:30	0	0	7,841	0	3	Atlas		3,999	1
	10/15/2021 8:15	10/15/2021 8:15	0	0	13,833	0	3	Atlas		7,470	1
CSO028 Total										1,583,134	5
CSO029	8/26/2021 19:00	8/26/2021 19:30	30	3	401,479	0	6	Atlas		1,124,141	1
	8/27/2021 14:30	8/27/2021 14:45	15	0	11,400	0	3	Atlas		6,384	1
	10/3/2021 9:15	10/3/2021 9:45	30	2	145,372	0	6	Atlas		225,327	1
	10/5/2021 20:15	10/5/2021 20:15	0	0	527	0	3	Atlas		269	1
CSO029 Total										1,356,121	4
CSO031	8/26/2021 19:15	8/26/2021 19:45	30	3	436,902	0	3	Atlas		1,223,325	1
	8/27/2021 15:00	8/27/2021 15:00	0	0	84	0	3	Atlas		47	1
CSO031 Total										1,223,372	2
CSO034	7/11/2021 12:00	7/11/2021 12:45	45	1	13,371	0	3	Atlas		19,121	1
	7/12/2021 9:30	7/12/2021 9:30	0	0	7,297	0	3	Atlas		4,524	1
	7/16/2021 21:45	7/16/2021 21:45	0	0	1,203	0	3	Atlas		710	1
	8/26/2021 19:00	8/26/2021 19:45	45	3	208,900	0	12	Atlas		584,919	1
	8/27/2021 14:30	8/27/2021 14:45	15	0	34,329	0	12	Atlas		19,224	1
	8/30/2021 12:30	8/30/2021 12:30	0	0	2,358	0	12	Atlas		2,075	1
	9/19/2021 15:00	9/19/2021 15:00	0	2	1,928	0	12	Atlas		3,894	1
	9/20/2021 5:30	9/20/2021 5:30	0	2	2,240	0	12	Atlas		4,524	1

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	10/3/2021 9:15	10/3/2021 9:45	30	2	160,419	0	12	Atlas		248,649	1
	10/5/2021 20:15	10/5/2021 20:30	15	0	11,253	0	12	Atlas		5,739	1
	10/15/2021 8:15	10/15/2021 8:15	0	0	97,722	0	12	Atlas		52,770	1
CSO034 Total										946,149	11
CSO035	7/1/2021 12:45	7/1/2021 12:45	0	1	1,837	0	12	Atlas		2,388	1
	8/26/2021 19:00	8/26/2021 19:45	45	3	641,295	0	3	Atlas		1,635,302	1
	9/19/2021 15:00	9/19/2021 15:00	0	2	4,938	0	3	Atlas		10,024	1
	9/20/2021 5:30	9/20/2021 5:30	0	2	1,870	0	3	Atlas		3,796	1
	10/3/2021 9:30	10/3/2021 9:45	15	1	678,264	0	3	Atlas		949,569	1
CSO035 Total										2,601,079	5
CSO036	7/1/2021 12:15	7/1/2021 13:00	45	1	35,254	0	3	Atlas		45,830	1
	7/8/2021 18:45	7/8/2021 18:45	0	0	33,052	0	3	Atlas		10,246	1
	7/10/2021 23:00	7/10/2021 23:00	0	1	7,603	0	3	Atlas		7,755	1
	7/12/2021 9:45	7/12/2021 10:00	15	0	29,800	0	3	Atlas		16,986	1
	7/16/2021 22:00	7/16/2021 22:00	0	0	20,875	0	3	Atlas		12,316	1
	8/26/2021 20:00	8/26/2021 20:00	0	3	3,216	0	3	Atlas		8,201	1
	8/27/2021 15:00	8/27/2021 15:00	0	0	71,731	0	3	Atlas		22,954	1
	9/19/2021 15:15	9/19/2021 15:15	0	2	7,023	0	3	Atlas		14,256	1
	9/20/2021 5:45	9/20/2021 7:45	120	2	11,207	0	12	Atlas		22,751	1
	10/3/2021 9:30	10/3/2021 9:30	0	1	19,525	0	12	Atlas		27,335	1
	10/5/2021 20:30	10/5/2021 20:45	15	0	42,969	0	1	Atlas		23,203	1
	12/11/2021 1:45	12/11/2021 1:45	0	0	3,416	0	1	Atlas		3,177	1
CSO036 Total										215,010	12
CSO050	7/1/2021 7:30	7/1/2021 14:30	420	1	885,112	0	12	Atlas		1,079,837	1
	7/8/2021 18:30	7/8/2021 19:00	30	0	614,694	0	12	Atlas		430,286	1
	7/10/2021 8:00	7/10/2021 8:15	15	0	553,319	0	12	Atlas		143,863	1
	7/10/2021 18:45	7/11/2021 3:45	540	1	475,983	0	12	Atlas		609,258	1
	7/12/2021 9:15	7/12/2021 18:30	555	0	671,974	0	12	Atlas		611,496	1
	7/13/2021 16:00	7/13/2021 16:00	0	0	336,580	0	12	Atlas		16,829	1
	7/16/2021 22:00	7/17/2021 3:15	315	0	336,617	0	12	Atlas		329,885	1
	8/9/2021 10:00	8/9/2021 10:30	30	0	314,774	0	12	Atlas		110,171	1
	8/19/2021 4:45	8/19/2021 4:45	0	0	156,393	0	12	Atlas		42,226	1
	8/25/2021 13:15	8/25/2021 15:00	105	0	376,063	0	12	Atlas		112,819	1
	8/26/2021 19:15	8/26/2021 21:15	120	2	847,895	0	12	Atlas		1,967,116	1
	8/27/2021 14:45	8/27/2021 15:45	60	1	658,579	0	12	Atlas		684,922	1



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	8/30/2021 11:45	8/30/2021 18:45	420	0	1,047,701	0	12	Atlas		733,391	1
	8/31/2021 14:15	8/31/2021 15:15	60	0	4,751	0	12	Atlas		1,663	1
	9/5/2021 3:00	9/5/2021 11:30	510	1	793,602	0	12	Atlas		833,282	1
	9/8/2021 4:15	9/8/2021 4:15	0	0	6,630	0	12	Atlas		663	1
	9/19/2021 15:00	9/19/2021 16:15	75	2	197,366	0	12	Atlas		442,100	1
	9/20/2021 3:30	9/20/2021 11:45	495	2	830,149	0	12	Atlas		1,859,533	1
	9/21/2021 21:30	9/22/2021 16:30	1140	1	280,003	0	12	Atlas		408,804	1
	10/3/2021 9:30	10/3/2021 11:30	120	1	978,999	0	12	Atlas		1,302,069	1
	10/5/2021 20:15	10/5/2021 21:15	60	0	576,963	0	12	Atlas		294,251	1
	10/6/2021 16:15	10/6/2021 16:45	30	0	480,562	0	12	Atlas		139,363	1
	10/13/2021 14:45	10/13/2021 14:45	0	0	53,471	0	12	Atlas		3,743	1
	10/15/2021 8:30	10/15/2021 8:30	0	0	1,374	0	12	Atlas		426	1
	10/15/2021 17:15	10/15/2021 17:15	0	0	46,287	0	12	Atlas		14,349	1
	10/24/2021 7:15	10/24/2021 8:30	75	0	584,841	0	12	Atlas		169,604	1
	10/25/2021 4:30	10/25/2021 5:45	75	0	445,317	0	12	Atlas		204,846	1
	10/28/2021 14:15	10/28/2021 14:15	0	0	7,718	0	12	Atlas		1,312	1
	10/29/2021 21:15	10/29/2021 21:30	15	0	10,967	0	12	Atlas		5,374	1
	10/30/2021 8:00	10/30/2021 8:15	15	0	11,733	0	12	Atlas		5,749	1
	11/11/2021 12:30	11/11/2021 14:15	105	0	93,976	0	12	Atlas		31,952	1
	11/18/2021 1:00	11/18/2021 5:45	285	0	146,551	0	12	Atlas		57,155	1
	11/21/2021 8:45	11/21/2021 10:00	75	0	35,171	0	12	Atlas		10,903	1
	11/25/2021 7:45	11/25/2021 8:00	15	0	15,000	0	12	Atlas		3,750	1
	12/6/2021 2:30	12/6/2021 7:30	300	0	160,400	0	6	Atlas		91,428	1
	12/10/2021 22:45	12/11/2021 10:00	675	1	584,934	0	6	Atlas		608,331	1
	12/16/2021 15:00	12/16/2021 16:30	90	0	137,936	0	6	Atlas		34,484	1
	12/17/2021 16:45	12/17/2021 21:15	270	0	79,035	0	6	Atlas		41,098	1
	12/28/2021 21:45	12/29/2021 1:15	210	0	239,092	0	6	Atlas		145,846	1
CSO050 Total										13,584,177	39
CSO051	7/1/2021 11:00	7/1/2021 14:00	180	1	64,921	0	6	Atlas		79,204	1
	7/8/2021 18:30	7/8/2021 18:30	0	0	12,870	0	6	Atlas		9,009	1
	7/10/2021 18:30	7/10/2021 23:45	315	1	17,188	0	6	Atlas		22,000	1
	7/12/2021 9:15	7/12/2021 10:15	60	0	32,888	0	6	Atlas		29,928	1

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	7/13/2021 15:45	7/13/2021 15:45	0	0	100,760	0	6	Atlas		5,038	1
	7/16/2021 21:45	7/17/2021 2:15	270	0	17,686	0	6	Atlas		17,332	1
	8/9/2021 10:00	8/9/2021 10:00	0	0	100	0	6	Atlas		35	1
	8/19/2021 4:30	8/19/2021 4:30	0	0	17,215	0	6	Atlas		4,648	1
	8/25/2021 13:00	8/25/2021 14:45	105	0	17,657	0	6	Atlas		5,297	1
	8/26/2021 19:00	8/26/2021 20:45	105	2	80,723	0	6	Atlas		187,278	1
	8/27/2021 14:30	8/27/2021 15:15	45	1	24,887	0	6	Atlas		25,882	1
	8/30/2021 11:45	8/30/2021 14:15	150	0	18,486	0	6	Atlas		12,940	1
	9/5/2021 5:15	9/5/2021 9:00	225	1	7,062	0	6	Atlas		7,415	1
	9/19/2021 15:00	9/19/2021 15:00	0	2	3,483	0	6	Atlas		7,802	1
	9/20/2021 3:15	9/20/2021 10:45	450	2	48,938	0	6	Atlas		109,621	1
	10/3/2021 9:15	10/3/2021 10:45	90	1	41,195	0	6	Atlas		54,790	1
	10/5/2021 20:15	10/5/2021 20:30	15	0	10,541	0	6	Atlas		5,376	1
	10/6/2021 16:15	10/6/2021 16:15	0	0	3,338	0	6	Atlas		968	1
	10/15/2021 8:15	10/15/2021 8:15	0	0	12,939	0	6	Atlas		4,011	1
	10/25/2021 5:00	10/25/2021 5:00	0	0	8,654	0	6	Atlas		3,981	1
	12/6/2021 3:15	12/6/2021 3:15	0	0	911	0	6	Atlas		519	1
	12/10/2021 23:30	12/11/2021 5:45	375	1	7,349	0	6	Atlas		7,643	1
	12/28/2021 22:45	12/28/2021 22:45	0	0	13	0	6	Atlas		8	1
CSO051 Total										600,725	23
CSO052	7/1/2021 12:45	7/1/2021 12:45	0	1	1,191	0	6	Atlas		1,358	1
	7/12/2021 9:15	7/12/2021 9:15	0	0	4,952	0	6	Atlas		4,407	1
	8/26/2021 19:00	8/26/2021 19:45	45	3	31,785	0	6	Atlas		90,906	1
	8/27/2021 14:30	8/27/2021 14:30	0	0	2,093	0	6	Atlas		1,737	1
	10/3/2021 9:15	10/3/2021 9:30	15	1	9,207	0	6	Atlas		13,074	1
CSO052 Total										111,482	5
CSO053	7/1/2021 11:00	7/1/2021 13:45	165	1	89,731	0	3	Atlas		102,293	1
	7/8/2021 18:30	7/8/2021 20:30	120	0	68,564	0	3	Atlas		45,938	1
	7/10/2021 8:00	7/10/2021 10:00	120	0	62,242	0	3	Atlas		16,183	1
	7/10/2021 18:45	7/11/2021 3:45	540	1	51,088	0	3	Atlas		63,349	1
	7/12/2021 9:30	7/12/2021 11:45	135	0	61,629	0	3	Atlas		54,850	1
	7/13/2021 16:00	7/13/2021 16:30	30	0	105,767	0	3	Atlas		6,346	1
	7/16/2021 22:00	7/17/2021 3:30	330	0	85,749	0	3	Atlas		79,747	1
	8/9/2021 10:00	8/9/2021 10:15	15	0	31,521	0	3	Atlas		10,402	1
8/25/2021 13:15		8/25/2021 15:00	105	0	20,894	0	24	Atlas		7,104	1



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	8/26/2021 19:00	8/26/2021 20:30	90	3	245,416	0	24	Atlas		701,891	1
	8/27/2021 14:45	8/27/2021 15:15	30	0	70,037	0	24	Atlas		58,131	1
	8/30/2021 11:45	8/30/2021 13:30	105	0	57,702	0	24	Atlas		47,316	1
	9/5/2021 3:00	9/5/2021 9:15	375	1	52,015	0	24	Atlas		54,616	1
	9/8/2021 4:15	9/8/2021 4:15	0	0	63,622	0	24	Atlas		5,726	1
	9/19/2021 15:00	9/19/2021 16:00	60	2	8,522	0	24	Atlas		18,834	1
	9/20/2021 3:30	9/20/2021 10:15	405	2	50,682	0	24	Atlas		112,008	1
	9/21/2021 22:30	9/22/2021 12:00	810	1	26,994	0	24	Atlas		33,472	1
	10/3/2021 9:30	10/3/2021 10:45	75	1	71,454	0	24	Atlas		101,465	1
	10/5/2021 20:30	10/5/2021 21:00	30	0	59,286	0	24	Atlas		29,050	1
	10/6/2021 16:30	10/6/2021 16:45	15	0	36,844	0	6	Atlas		9,211	1
	10/13/2021 14:45	10/13/2021 14:45	0	0	5,883	0	6	Atlas		353	1
	10/15/2021 8:30	10/15/2021 8:30	0	0	59,926	0	6	Atlas		18,577	1
	10/15/2021 17:15	10/15/2021 17:15	0	0	11,790	0	6	Atlas		3,655	1
	10/24/2021 7:30	10/24/2021 8:30	60	0	42,154	0	6	Atlas		11,803	1
	10/25/2021 4:30	10/25/2021 5:30	60	0	83,764	0	6	Atlas		39,369	1
	10/28/2021 14:15	10/28/2021 14:15	0	0	1,053	0	1	Atlas		179	1
	11/11/2021 12:45	11/11/2021 14:00	75	0	12,588	0	1	Atlas		4,280	1
	11/18/2021 1:45	11/18/2021 5:00	195	0	14,233	0	3	Atlas		5,551	1
	11/21/2021 9:30	11/21/2021 9:30	0	0	745	0	3	Atlas		231	1
	11/25/2021 8:00	11/25/2021 8:00	0	0	6,304	0	1	Atlas		1,576	1
	12/6/2021 2:45	12/6/2021 7:15	270	0	37,583	0	3	Atlas		21,798	1
	12/10/2021 23:45	12/11/2021 6:00	375	1	47,206	0	1	Atlas		48,622	1
	12/16/2021 15:15	12/16/2021 16:30	75	0	28,481	0	1	Atlas		7,405	1
	12/17/2021 17:00	12/17/2021 21:15	255	0	9,890	0	1	Atlas		4,945	1
	12/28/2021 23:00	12/29/2021 1:15	135	0	43,048	0	1	Atlas		26,690	1
CSO053 Total										1,752,966	35
CSO054	7/1/2021 12:15	7/1/2021 13:45	90	1	149,468	0	3	Atlas		170,394	1
	7/10/2021 23:00	7/10/2021 23:30	30	1	34,613	0	3	Atlas		42,920	1
	7/12/2021 10:00	7/12/2021 10:15	15	0	22,631	0	1	Atlas		20,142	1
	8/26/2021 19:15	8/26/2021 20:45	90	3	64,738	0	1	Atlas		185,150	1
	8/30/2021 13:00	8/30/2021 14:15	75	0	53,866	0	1	Atlas		44,170	1

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	9/5/2021 9:00	9/5/2021 9:30	30	1	8,773	0	1	Atlas		9,212	1
	9/20/2021 5:45	9/20/2021 10:45	300	2	166,059	0	1	Atlas		366,991	1
	10/3/2021 9:45	10/3/2021 10:45	60	1	73,551	0	1	Atlas		104,443	1
	12/11/2021 5:45	12/11/2021 6:00	15	1	10,217	0	3	Atlas		10,523	1
CSO054 Total										953,945	9
CSO055	7/1/2021 11:15	7/1/2021 14:30	195	1	316,239	0	1	Atlas		360,512	1
	7/8/2021 18:30	7/8/2021 18:45	15	0	76,343	0	1	Atlas		51,150	1
	7/10/2021 8:00	7/10/2021 8:00	0	0	60,550	0	3	Atlas		15,743	1
	7/10/2021 18:45	7/11/2021 0:15	330	1	132,024	0	3	Atlas		163,710	1
	7/12/2021 9:30	7/12/2021 11:00	90	0	250,411	0	1	Atlas		222,866	1
	7/16/2021 22:00	7/17/2021 2:30	270	0	45,034	0	1	Atlas		41,882	1
	8/19/2021 4:45	8/19/2021 4:45	0	0	37,052	0	3	Atlas		8,522	1
	8/26/2021 19:15	8/26/2021 21:00	105	3	290,002	0	3	Atlas		829,406	1
	8/27/2021 14:45	8/27/2021 15:00	15	0	62,245	0	3	Atlas		51,663	1
	8/30/2021 11:45	8/30/2021 15:15	210	0	427,848	0	3	Atlas		350,835	1
	9/5/2021 3:15	9/5/2021 11:00	465	1	327,666	0	3	Atlas		344,049	1
	9/19/2021 15:00	9/19/2021 15:00	0	2	5,828	0	24	Atlas		12,879	1
	9/20/2021 4:15	9/20/2021 11:15	420	2	386,376	0	12	Atlas		853,892	1
	9/22/2021 7:15	9/22/2021 7:15	0	1	77	0	12	Atlas		95	1
	9/22/2021 16:00	9/22/2021 16:00	0	1	547	0	24	Atlas		678	1
	10/3/2021 9:30	10/3/2021 11:00	90	1	288,477	0	1	Atlas		409,637	1
	10/5/2021 20:30	10/5/2021 20:30	0	0	17,320	0	24	Atlas		8,487	1
	10/6/2021 16:15	10/6/2021 16:15	0	0	1,036	0	24	Atlas		259	1
	10/25/2021 4:45	10/25/2021 5:00	15	0	3,766	0	24	Atlas		1,770	1
	12/11/2021 5:15	12/11/2021 6:30	75	1	867	0	12	Atlas		893	1
CSO055 Total										3,728,928	20
CSO056	7/1/2021 12:30	7/1/2021 13:30	60	1	50,426	0	12	Atlas		57,486	1
	7/8/2021 18:45	7/8/2021 18:45	0	0	60,840	0	12	Atlas		40,763	1
	7/10/2021 23:00	7/10/2021 23:15	15	1	11,424	0	24	Atlas		14,166	1
	7/12/2021 9:30	7/12/2021 10:00	30	0	116,190	0	12	Atlas		103,409	1
	9/19/2021 15:15	9/19/2021 15:15	0	2	2,908	0	12	Atlas		6,426	1
	9/20/2021 5:45	9/20/2021 10:15	270	2	38,429	0	12	Atlas		84,927	1
	10/3/2021 9:30	10/3/2021 10:45	75	1	153,372	0	12	Atlas		217,788	1
	10/5/2021 20:45	10/5/2021 20:45	0	0	7,763	0	12	Atlas		3,804	1
	12/11/2021 1:45	12/11/2021 5:45	240	1	6,435	0	24	Atlas		6,628	1



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CSO056 Total										535,397	9
CSO062	7/1/2021 13:15	7/1/2021 13:15	0	0	94,254	0	12	Atlas		91,426	1
	10/3/2021 9:45	10/3/2021 10:45	60	2	2,540,991	0	12	Atlas		3,887,716	1
CSO062 Total										3,979,142	2
CSO082	7/1/2021 12:30	7/1/2021 13:45	75	1	33,361	0	12	Atlas		36,363	1
	10/3/2021 9:45	10/3/2021 11:00	75	1	84,092	0	1	Atlas		115,206	1
CSO082 Total										151,569	2
CSO083	8/26/2021 19:15	8/26/2021 19:45	30	2	818	0	12	Atlas		1,317	1
	8/30/2021 13:00	8/30/2021 13:00	0	1	1	0	1	Atlas		1	1
	9/20/2021 5:45	9/20/2021 5:45	0	2	246	0	1	Atlas		497	1
	10/3/2021 10:15	10/3/2021 10:15	0	1	14	0	12	Atlas		17	1
CSO083 Total										1,832	4
CSO088	10/3/2021 10:00	10/3/2021 10:00	0	1	1,403	0	12	Atlas		2,091	1
CSO088 Total										2,091	1
CSO092	7/1/2021 13:00	7/1/2021 13:00	0	1	48	0	1	Atlas		59	1
	8/17/2021 14:00	8/17/2021 14:00	0	0	109	0	1	Atlas		50	1
	8/26/2021 19:00	8/26/2021 19:15	15	1	460	0	1	Atlas		501	1
	8/27/2021 14:30	8/27/2021 14:45	15	0	94	0	1	Atlas		32	1
	8/30/2021 11:45	8/30/2021 12:30	45	1	304	0	1	Atlas		313	1
	9/5/2021 5:00	9/5/2021 5:00	0	1	1	0	1	Atlas		1	1
	9/19/2021 14:45	9/19/2021 14:45	0	2	12	0	1	Atlas		24	1
	9/20/2021 3:15	9/20/2021 8:00	285	2	16	0	1	Atlas		32	1
	9/22/2021 0:15	9/22/2021 0:15	0	1	10	0	1	Atlas		11	1
	10/3/2021 9:15	10/3/2021 10:00	45	1	3,478	0	1	Atlas		3,617	1
	10/15/2021 8:15	10/15/2021 8:15	0	0	40	0	1	Atlas		17	1
	12/11/2021 1:30	12/11/2021 5:15	225	1	92	0	1	Atlas		95	1
	12/31/2021 23:15	12/31/2021 23:15	0	2	5	0	1	Atlas		10	1
CSO092 Total										4,762	13
CSO093	8/30/2021 12:45	8/30/2021 12:45	0	1	433	0	1	Atlas		502	1
	9/20/2021 4:15	9/20/2021 4:45	30	2	5,581	0	1	Atlas		10,102	1
	10/3/2021 9:45	10/3/2021 9:45	0	1	5,991	0	1	Atlas		8,028	1
CSO093 Total										18,632	3
CSO097	7/1/2021 11:00	7/1/2021 14:30	210	1	256,815	0	1	Atlas		333,859	1

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	7/10/2021 22:45	7/10/2021 23:45	60	0	40,220	0	1	Atlas		34,991	1
	7/16/2021 21:45	7/16/2021 22:15	30	0	17,645	0	1	Atlas		13,234	1
	8/9/2021 10:00	8/9/2021 10:00	0	0	4,356	0	1	Atlas		1,786	1
	8/17/2021 13:45	8/17/2021 14:15	30	0	145,369	0	1	Atlas		107,573	1
	8/27/2021 14:30	8/27/2021 15:00	30	0	131,525	0	1	Atlas		67,078	1
	8/30/2021 12:15	8/30/2021 13:30	75	0	246,474	0	1	Atlas		234,150	1
	9/20/2021 4:15	9/20/2021 10:00	345	2	83,733	0	1	Atlas		147,370	1
	9/22/2021 0:30	9/22/2021 0:45	15	1	3,289	0	1	Atlas		4,374	1
	9/22/2021 11:30	9/22/2021 15:30	240	1	18,530	0	1	Atlas		24,645	1
	10/3/2021 9:30	10/3/2021 10:30	60	0	177,343	0	1	Atlas		161,382	1
	10/5/2021 20:15	10/5/2021 21:00	45	0	185,546	0	1	Atlas		100,195	1
	10/6/2021 16:15	10/6/2021 16:45	30	0	41,185	0	1	Atlas		10,708	1
	10/25/2021 5:00	10/25/2021 5:15	15	0	14,584	0	1	Atlas		6,271	1
	12/10/2021 23:45	12/11/2021 5:45	360	0	49,893	0	1	Atlas		49,394	1
CSO097 Total										1,297,010	15
CSO105	8/26/2021 19:30	8/30/2021 12:15	5325	0	4,409,494,843	0	1	Atlas		617,329,278	1
	9/19/2021 15:15	9/19/2021 15:15	0	2	18,063	0	1	Atlas		41,184	1
	9/20/2021 7:30	9/20/2021 8:15	45	2	459,516	0	1	Atlas		1,047,696	1
	10/3/2021 9:30	10/3/2021 9:45	15	0	694,234	0	1	Atlas		423,483	1
CSO105 Total										618,841,641	4
CSO108	8/17/2021 13:30	8/17/2021 13:30	0	1	280,300	0	1	Atlas		299,921	1
CSO108 Total										299,921	1
CSO109	7/11/2021 12:30	7/11/2021 12:30	0	2	5,592	0	1	Atlas		8,668	1
	7/16/2021 22:00	7/16/2021 22:00	0	0	55,993	0	1	Atlas		34,156	1
	8/9/2021 10:00	8/11/2021 7:45	2745	0	120,217	0	1	Atlas		62,513	1
	8/17/2021 13:45	8/17/2021 14:00	15	1	162,649	0	1	Atlas		180,540	1
	8/27/2021 14:30	8/27/2021 14:45	15	0	382,108	0	1	Atlas		152,843	1
	8/30/2021 12:30	8/30/2021 13:00	30	0	183,653	0	1	Atlas		172,634	1
	9/20/2021 8:15	9/20/2021 8:30	15	2	14,796	0	1	Atlas		23,377	1
	10/3/2021 9:45	10/3/2021 10:00	15	0	48,663	0	1	Atlas		36,984	1
	10/5/2021 20:30	10/5/2021 20:30	0	0	166,638	0	1	Atlas		93,317	1
	12/31/2021 23:45	12/31/2021 23:45	0	2	8,154	0	1	Atlas		16,960	1
CSO109 Total										781,992	10
CSO110	9/20/2021 4:15	9/20/2021 8:15	240	2	17,527	0	1	Atlas		33,126	1



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	9/22/2021 11:00	9/22/2021 11:30	30	1	7,331	0	1	Atlas		9,310	1
	10/3/2021 9:15	10/3/2021 10:15	60	0	94,943	0	1	Atlas		93,044	1
	10/5/2021 20:00	10/5/2021 20:30	30	0	70,257	0	1	Atlas		37,939	1
	10/6/2021 16:15	10/6/2021 16:15	0	0	1,411	0	1	Atlas		381	1
	11/18/2021 10:30	11/18/2021 15:00	270	0	69,045,769	0	1	Atlas		24,856,477	1
	12/11/2021 1:15	12/11/2021 1:30	15	1	5,463	0	1	Atlas		5,463	1
	12/31/2021 23:15	12/31/2021 23:15	0	2	5,249	0	1	Atlas		10,866	1
CSO110 Total										25,046,606	8
CSO111	7/1/2021 11:00	7/1/2021 14:00	180	1	132,422	0	1	Atlas		173,473	1
	7/6/2021 15:00	7/6/2021 15:00	0	0	48,686	0	1	Atlas		10,711	1
	7/10/2021 23:00	7/10/2021 23:15	15	0	17,234	0	1	Atlas		14,821	1
	7/16/2021 22:00	7/17/2021 2:30	270	0	18,778	0	1	Atlas		14,271	1
	8/9/2021 10:15	8/9/2021 10:15	0	0	2,229	0	1	Atlas		914	1
	8/27/2021 14:45	8/27/2021 15:15	30	0	293,638	0	1	Atlas		146,819	1
	8/30/2021 12:30	8/30/2021 13:45	75	0	283,155	0	1	Atlas		266,166	1
	9/20/2021 3:45	9/20/2021 9:15	330	2	67,156	0	1	Atlas		126,925	1
	9/22/2021 0:45	9/22/2021 0:45	0	1	7,044	0	1	Atlas		8,946	1
	9/22/2021 11:30	9/22/2021 12:00	30	1	22,806	0	1	Atlas		28,964	1
	10/6/2021 16:30	10/6/2021 16:30	0	0	35,737	0	1	Atlas		9,649	1
	10/25/2021 5:15	10/25/2021 5:15	0	0	12,549	0	1	Atlas		5,396	1
	12/11/2021 5:30	12/11/2021 5:30	0	1	3,461	0	1	Atlas		3,461	1
	12/31/2021 23:45	12/31/2021 23:45	0	2	165	0	1	Atlas		342	1
CSO111 Total										810,858	14
CSO113	7/1/2021 12:30	7/1/2021 13:15	45	1	37,437	0	1	Atlas		45,673	1
	7/16/2021 22:00	7/16/2021 22:00	0	0	113,541	0	1	Atlas		86,291	1
	8/17/2021 14:00	8/17/2021 14:15	15	0	598,907	0	1	Atlas		275,497	1
	8/26/2021 19:15	8/26/2021 19:30	15	1	38,054	0	1	Atlas		41,479	1
	8/27/2021 14:45	8/27/2021 14:45	0	0	117,935	0	1	Atlas		40,098	1
	8/30/2021 12:30	8/30/2021 12:45	15	1	192,586	0	1	Atlas		198,364	1
	9/20/2021 5:00	9/20/2021 6:00	60	2	5,225	1	1	Atlas		10,294	1
	10/3/2021 9:45	10/3/2021 10:15	30	1	112,532	0	1	Atlas		117,033	1
	10/5/2021 20:30	10/5/2021 20:45	15	0	147,887	0	1	Atlas		81,228	1
	12/31/2021 23:45	12/31/2021 23:45	0	2	9,792	0	1	Atlas		20,172	1

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CSO113 Total										916,129	10
CSO117	7/1/2021 12:45	7/1/2021 14:30	105	1	1,033,795	0	1	Atlas		1,271,568	1
	8/26/2021 19:00	8/26/2021 19:30	30	2	932,300	1	1	Atlas		2,041,738	1
	8/27/2021 14:45	8/27/2021 14:45	0	0	792,991	0	3	Atlas		174,458	1
	8/30/2021 12:30	8/30/2021 13:45	75	0	2,217,402	0	1	Atlas		2,173,054	1
	9/20/2021 8:30	9/20/2021 10:45	135	2	379,333	0	1	Atlas		781,427	1
	10/3/2021 9:30	10/3/2021 10:00	30	1	1,115,411	0	1	Atlas		1,394,264	1
CSO117 Total										7,836,509	6
CSO118	7/1/2021 11:15	7/1/2021 14:45	210	1	3,853,970	1	1	Atlas		4,470,605	1
	7/8/2021 18:45	7/8/2021 19:30	45	0	2,956,540	1	1	Atlas		739,135	1
	7/10/2021 18:45	7/11/2021 0:00	315	0	1,179,991	2	1	Atlas		1,168,191	1
	7/12/2021 7:15	7/12/2021 10:30	195	0	2,915,758	0	1	Atlas		1,107,988	1
	7/16/2021 22:00	7/17/2021 3:30	330	0	2,427,401	0	1	Atlas		1,820,551	1
	8/9/2021 10:15	8/9/2021 11:00	45	0	1,009,240	0	1	Atlas		353,234	1
	8/17/2021 14:15	8/17/2021 14:45	30	0	872,106	0	1	Atlas		270,353	1
	8/26/2021 19:15	8/26/2021 20:45	90	2	3,957,948	0	1	Atlas		6,372,296	1
	8/27/2021 15:00	8/27/2021 15:45	45	0	3,846,386	0	1	Atlas		807,741	1
	8/30/2021 12:00	8/30/2021 14:00	120	1	2,509,596	1	1	Atlas		2,685,268	1
	9/5/2021 3:30	9/5/2021 10:00	390	1	1,472,959	2	1	Atlas		1,517,148	1
	9/19/2021 15:00	9/19/2021 16:15	75	2	906,719	0	1	Atlas		1,831,572	1
	9/20/2021 3:45	9/20/2021 11:00	435	2	3,155,819	0	1	Atlas		6,374,755	1
	9/22/2021 0:45	9/22/2021 15:15	870	0	1,494,696	0	1	Atlas		1,464,802	1
	10/3/2021 9:30	10/3/2021 11:15	105	1	5,846,340	0	1	Atlas		6,898,681	1
	10/5/2021 20:30	10/5/2021 21:30	60	0	4,305,958	1	1	Atlas		2,368,277	1
	10/6/2021 16:30	10/6/2021 17:00	30	0	1,666,800	0	1	Atlas		350,028	1
	10/15/2021 8:30	10/15/2021 9:00	30	0	1,886,041	2	1	Atlas		924,160	1
	10/15/2021 17:30	10/15/2021 18:00	30	0	409,837	0	1	Atlas		200,820	1
	10/24/2021 7:30	10/24/2021 8:00	30	0	434,438	0	1	Atlas		112,954	1
	10/25/2021 5:00	10/25/2021 6:00	60	0	2,455,123	0	1	Atlas		1,080,254	1
	11/11/2021 14:00	11/11/2021 14:45	45	0	307,288	0	1	Atlas		104,478	1
	11/18/2021 5:15	11/18/2021 6:00	45	0	131,397	0	1	Atlas		47,303	1
	11/21/2021 9:15	11/21/2021 9:45	30	0	120,564	2	1	Atlas		39,786	1
	12/6/2021 3:00	12/6/2021 8:00	300	0	543,427	2	1	Atlas		342,359	1
	12/11/2021 0:00	12/11/2021 10:45	645	1	2,688,431	1	1	Atlas		2,769,084	1



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	12/16/2021 16:00	12/16/2021 17:00	60	0	1,479,069	1	1	Atlas		428,930	1
	12/17/2021 17:15	12/17/2021 21:45	270	0	37,896	0	12	Atlas		17,811	1
CSO118 Total										46,668,564	28
CSO119	7/1/2021 11:00	7/1/2021 14:00	180	1	325,938	2	1	Atlas		378,088	1
	7/8/2021 18:45	7/8/2021 19:00	15	0	294,744	0	1	Atlas		73,686	1
	7/10/2021 18:30	7/10/2021 23:30	300	0	274,382	2	1	Atlas		271,638	1
	7/12/2021 9:45	7/12/2021 10:00	15	0	179,961	2	1	Atlas		68,385	1
	7/16/2021 21:45	7/17/2021 3:00	315	0	332,984	2	1	Atlas		249,738	1
	8/9/2021 10:00	8/9/2021 10:15	15	0	216,866	1	1	Atlas		75,903	1
	8/17/2021 14:00	8/17/2021 14:30	30	0	357,655	2	1	Atlas		110,873	1
	8/26/2021 19:00	8/26/2021 20:00	60	2	208,881	1	1	Atlas		336,298	1
	8/27/2021 14:45	8/27/2021 15:15	30	0	556,776	0	3	Atlas		116,923	1
	8/30/2021 11:45	8/30/2021 13:30	105	1	394,322	0	1	Atlas		421,925	1
	9/5/2021 3:15	9/5/2021 9:15	360	1	326,590	2	1	Atlas		336,388	1
	9/19/2021 14:45	9/19/2021 15:15	30	2	56,928	1	1	Atlas		114,994	1
	9/20/2021 3:30	9/20/2021 9:15	345	2	375,300	1	1	Atlas		758,106	1
	9/22/2021 0:30	9/22/2021 1:00	30	0	102,165	0	1	Atlas		100,122	1
	9/22/2021 11:30	9/22/2021 11:45	15	0	68,519	1	1	Atlas		67,149	1
	10/3/2021 9:15	10/3/2021 10:45	90	1	199,254	1	1	Atlas		235,120	1
	10/5/2021 20:15	10/5/2021 21:00	45	0	324,395	0	1	Atlas		178,417	1
	10/6/2021 16:15	10/6/2021 16:30	15	0	276,329	0	1	Atlas		58,029	1
	10/15/2021 8:30	10/15/2021 8:45	15	0	85,661	0	1	Atlas		41,974	1
	10/15/2021 17:15	10/15/2021 17:45	30	0	228,792	1	1	Atlas		112,108	1
	10/24/2021 7:15	10/24/2021 7:30	15	0	140,908	0	1	Atlas		36,636	1
	10/25/2021 4:45	10/25/2021 5:30	45	0	354,198	1	1	Atlas		155,847	1
	12/6/2021 2:45	12/6/2021 7:30	285	0	149,195	1	1	Atlas		93,993	1
	12/11/2021 0:00	12/11/2021 6:00	360	1	373,251	0	1	Atlas		384,449	1
	12/16/2021 16:00	12/16/2021 16:15	15	0	224,697	0	24	Atlas		65,162	1
	12/29/2021 0:00	12/29/2021 1:00	60	0	145,272	0	24	Atlas		103,143	1
CSO119 Total										4,945,094	26
CSO120	8/26/2021 19:45	8/26/2021 19:45	0	1	14,868	0	24	Atlas		21,708	1
	8/30/2021 11:45	8/30/2021 12:30	45	1	59,051	0	24	Atlas		64,956	1
CSO120 Total										86,664	2
CSO121	7/1/2021 11:15	7/1/2021 13:45	150	1	116,901	0	24	Atlas		127,422	1

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	7/8/2021 18:45	7/8/2021 19:00	15	0	186,230	0	24	Atlas		68,905	1
	7/10/2021 8:15	7/10/2021 8:15	0	0	77,400	0	24	Atlas		12,384	1
	7/10/2021 18:45	7/10/2021 23:30	285	1	93,407	0	24	Atlas		96,209	1
	7/12/2021 7:15	7/12/2021 10:15	180	0	132,049	0	24	Atlas		56,781	1
CSO121 Total										361,701	5
CSO125	7/1/2021 12:30	7/1/2021 13:30	60	1	22,507	0	24	Atlas		22,957	1
	7/6/2021 16:00	7/6/2021 16:00	0	0	67,379	0	24	Atlas		9,433	1
	7/10/2021 23:00	7/10/2021 23:15	15	0	4,335	0	24	Atlas		4,118	1
	7/16/2021 22:00	7/17/2021 3:30	330	0	29,914	0	24	Atlas		21,837	1
	8/9/2021 10:15	8/11/2021 1:45	2370	0	2,156,769	0	24	Atlas		841,140	1
	8/27/2021 15:30	8/29/2021 4:00	2190	0	630,392	0	24	Atlas		327,804	1
	8/30/2021 12:30	8/30/2021 12:30	0	1	152	0	24	Atlas		194	1
	8/31/2021 15:45	9/1/2021 4:45	780	0	8,025	0	24	Atlas		3,852	1
	9/5/2021 3:15	9/6/2021 2:15	1380	1	112,145	0	24	Atlas		121,117	1
	9/20/2021 4:00	9/22/2021 18:15	3735	1	218,766	0	24	Atlas		319,399	1
	10/3/2021 9:45	10/3/2021 11:15	90	1	3,196	0	24	Atlas		3,484	1
	10/5/2021 20:30	10/5/2021 20:30	0	0	9,163	0	24	Atlas		6,139	1
	10/8/2021 14:30	10/8/2021 14:30	0	0	155,062	0	24	Atlas		20,158	1
	10/15/2021 8:45	10/16/2021 2:00	1035	0	193,665	0	24	Atlas		89,086	1
	10/24/2021 7:45	10/25/2021 6:00	1335	0	1,300,417	0	24	Atlas		299,096	1
	10/29/2021 21:00	10/29/2021 22:45	105	0	91,326	0	24	Atlas		48,403	1
	11/11/2021 14:30	11/11/2021 22:15	465	0	59,697	0	24	Atlas		20,894	1
	11/18/2021 5:45	11/18/2021 15:15	570	0	66,125	0	24	Atlas		23,805	1
	11/21/2021 9:15	11/21/2021 23:15	840	0	164,885	0	24	Atlas		55,993	1
	11/25/2021 8:15	11/25/2021 23:00	885	0	220,623	0	24	Atlas		66,187	1
	12/6/2021 3:00	12/6/2021 16:15	795	0	64,954	0	24	Atlas		46,767	1
	12/11/2021 0:00	12/11/2021 6:45	405	0	536,118	0	24	Atlas		530,757	1
	12/16/2021 15:45	12/16/2021 16:45	60	0	418,879	0	6	Atlas		121,475	1
	12/17/2021 17:30	12/17/2021 21:45	255	0	43,921	0	6	Atlas		20,643	1
	12/28/2021 23:00	12/29/2021 3:30	270	0	343,131	0	24	Atlas		240,192	1
CSO125 Total										3,264,930	25
CSO126	7/1/2021 12:45	7/1/2021 13:15	30	1	3,307	0	6	Atlas		3,373	1
	7/10/2021 23:00	7/10/2021 23:00	0	0	948	0	6	Atlas		901	1



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	7/16/2021 22:00	7/16/2021 22:00	0	0	19,793	0	6	Atlas		14,449	1
	8/27/2021 14:45	8/27/2021 14:45	0	0	7,190	0	24	Atlas		3,739	1
	9/20/2021 5:00	9/20/2021 5:00	0	1	829	0	24	Atlas		1,211	1
	10/15/2021 17:30	10/15/2021 17:30	0	0	1,887	0	6	Atlas		868	1
	12/11/2021 1:45	12/11/2021 1:45	0	0	3,934	0	24	Atlas		3,895	1
CSO126 Total										28,436	7
CSO127	7/11/2021 11:15	7/11/2021 14:15	180	1	378,637	0	24	Atlas		420,287	1
	7/6/2021 15:15	7/6/2021 15:15	0	0	2,227	0	24	Atlas		334	1
	7/8/2021 18:30	7/8/2021 19:30	60	0	44,767	0	24	Atlas		14,773	1
	7/10/2021 18:45	7/11/2021 5:45	660	1	50,590	0	24	Atlas		64,249	1
	7/12/2021 7:00	7/12/2021 8:15	75	1	6,991	0	24	Atlas		8,878	1
	7/12/2021 18:15	7/12/2021 18:45	30	1	450	0	24	Atlas		571	1
	7/16/2021 22:00	7/17/2021 3:30	330	0	425,027	0	24	Atlas		284,768	1
	8/9/2021 10:00	8/9/2021 13:00	180	0	132,300	0	24	Atlas		52,920	1
	8/17/2021 13:45	8/17/2021 14:30	45	0	70,816	0	24	Atlas		26,202	1
	8/19/2021 6:15	8/19/2021 7:00	45	0	5,054	0	24	Atlas		1,213	1
	8/26/2021 19:45	8/26/2021 19:45	0	0	4,800	0	6	Atlas		1,056	1
	8/27/2021 14:30	8/27/2021 15:30	60	0	658,491	0	24	Atlas		421,434	1
	8/30/2021 12:00	8/30/2021 18:45	405	1	1,345,155	0	24	Atlas		1,627,638	1
	8/31/2021 13:15	8/31/2021 22:15	540	0	70,957	0	24	Atlas		33,350	1
	9/5/2021 3:00	9/5/2021 10:45	465	1	170,418	0	24	Atlas		173,826	1
	9/8/2021 4:15	9/8/2021 4:45	30	0	60,722	0	6	Atlas		5,465	1
	9/19/2021 15:00	9/19/2021 16:30	90	2	63,161	0	24	Atlas		99,162	1
	9/20/2021 3:30	9/20/2021 12:00	510	2	168,395	0	24	Atlas		264,380	1
	9/22/2021 0:00	9/22/2021 16:45	1005	1	217,605	0	24	Atlas		224,133	1
	10/3/2021 9:30	10/3/2021 17:30	480	0	841,111	0	6	Atlas		815,878	1
	10/5/2021 20:30	10/5/2021 21:15	45	0	56,500	0	6	Atlas		32,205	1
	10/6/2021 16:15	10/6/2021 16:45	30	0	25,390	0	24	Atlas		5,078	1
	10/8/2021 14:15	10/8/2021 14:30	15	0	9,035	0	6	Atlas		2,078	1
	10/15/2021 8:45	10/15/2021 18:00	555	0	55,600	0	6	Atlas		27,800	1
	10/24/2021 7:30	10/24/2021 7:30	0	0	3,139	0	24	Atlas		565	1
	10/25/2021 4:45	10/25/2021 5:45	60	0	44,498	0	24	Atlas		19,134	1

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	10/28/2021 14:15	10/28/2021 14:30	15	0	11,792	0	24	Atlas		2,830	1
	10/29/2021 21:45	10/29/2021 22:30	45	0	15,723	0	24	Atlas		8,176	1
	10/30/2021 8:00	10/30/2021 8:30	30	0	7,875	0	24	Atlas		4,095	1
	11/11/2021 14:00	11/11/2021 14:30	30	0	11,081	0	24	Atlas		3,989	1
	11/18/2021 5:00	11/18/2021 5:45	45	0	12,630	0	24	Atlas		4,673	1
	11/21/2021 9:00	11/21/2021 9:30	30	0	13,648	0	6	Atlas		4,504	1
	11/25/2021 8:15	11/25/2021 8:15	0	0	9,558	0	6	Atlas		2,963	1
	12/6/2021 3:00	12/6/2021 8:00	300	0	26,971	0	24	Atlas		18,610	1
	12/10/2021 23:45	12/11/2021 6:15	390	0	20,757	0	24	Atlas		19,719	1
	12/16/2021 15:30	12/16/2021 16:45	75	0	28,900	0	24	Atlas		8,381	1
	12/17/2021 17:00	12/17/2021 23:15	375	0	17,508	0	6	Atlas		8,404	1
	12/28/2021 23:15	12/29/2021 1:30	135	0	19,826	0	6	Atlas		13,680	1
CSO127 Total										4,727,401	38
CSO130	8/30/2021 13:00	8/30/2021 13:00	0	1	5,545	0	24	Atlas		6,321	1
	9/20/2021 6:00	9/20/2021 6:00	0	2	1,786	0	24	Atlas		3,287	1
	10/3/2021 10:00	10/3/2021 10:15	15	1	88,442	0	6	Atlas		131,779	1
	10/5/2021 21:00	10/5/2021 21:00	0	0	4,580	0	6	Atlas		2,977	1
	10/15/2021 8:30	10/15/2021 8:30	0	0	3,502	0	24	Atlas		1,856	1
CSO130 Total										146,220	5
CSO131	7/8/2021 18:45	7/8/2021 19:00	15	0	174,494	0	24	Atlas		88,992	1
	8/30/2021 13:00	8/30/2021 13:00	0	1	39,003	0	24	Atlas		44,463	1
	9/20/2021 6:00	9/20/2021 6:00	0	2	8,264	0	6	Atlas		15,205	1
	10/3/2021 10:30	10/3/2021 10:30	0	1	5,267	0	24	Atlas		7,848	1
	10/5/2021 20:45	10/5/2021 21:00	15	0	60,825	0	24	Atlas		39,536	1
	12/11/2021 2:00	12/11/2021 2:00	0	0	1,929	0	24	Atlas		1,852	1
CSO131 Total										197,896	6
CSO132	7/11/2021 12:30	7/11/2021 23:00	630	0	10,316	0	24	Atlas		9,388	1
	7/8/2021 18:15	7/8/2021 23:00	285	0	455,006	0	24	Atlas		213,853	1
	7/10/2021 22:45	7/12/2021 23:00	2895	1	60	0	24	Atlas		64	1
	7/16/2021 21:45	7/16/2021 23:00	75	0	20,090	0	24	Atlas		13,460	1
	8/27/2021 14:30	8/27/2021 23:00	510	0	1,486,771	0	24	Atlas		252,751	1
	8/30/2021 11:30	8/30/2021 23:00	690	1	568,108	0	24	Atlas		670,368	1
	9/5/2021 3:15	9/5/2021 23:00	1185	1	88	0	24	Atlas		96	1



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	9/20/2021 4:30	9/20/2021 23:00	1110	2	22,329	0	24	Atlas		34,610	1
	10/3/2021 9:15	10/3/2021 23:00	825	1	656,646	0	24	Atlas		893,039	1
	10/5/2021 20:15	10/5/2021 23:00	165	0	101,932	0	24	Atlas		70,333	1
	10/15/2021 17:15	10/15/2021 23:00	345	0	54,743	0	24	Atlas		29,561	1
	12/11/2021 1:30	12/11/2021 23:00	1290	1	184,212	0	24	Atlas		186,054	1
CSO132 Total										2,373,577	12
CSO141	7/10/2021 18:30	7/10/2021 18:30	0	1	44	0	24	Atlas		45	1
	8/30/2021 12:45	8/30/2021 18:15	330	1	16,525	0	24	Atlas		18,178	1
	9/19/2021 15:00	9/19/2021 15:00	0	2	10,065	0	24	Atlas		20,129	1
	9/20/2021 4:30	9/20/2021 9:00	270	2	5,460	0	24	Atlas		10,920	1
	10/3/2021 9:45	10/3/2021 9:45	0	1	67,123	0	1	Atlas		91,959	1
	10/5/2021 20:30	10/5/2021 20:45	15	0	9,200	0	1	Atlas		4,968	1
	10/24/2021 8:00	10/24/2021 8:00	0	0	6,708	0	3	Atlas		1,744	1
	12/6/2021 7:15	12/6/2021 7:15	0	0	267	0	3	Atlas		176	1
	12/11/2021 1:45	12/11/2021 1:45	0	0	72	0	3	Atlas		70	1
CSO141 Total										148,189	9
CSO142	7/11/2021 13:00	7/11/2021 13:00	0	1	8,930	0	3	Atlas		11,073	1
	7/10/2021 23:00	7/10/2021 23:00	0	0	1,002	0	12	Atlas	Retained by Sreads Branch	952	1
	7/16/2021 22:00	7/16/2021 22:00	0	0	16,471	0	12	Atlas	Retained by Sreads Branch	12,024	1
	8/9/2021 10:00	8/9/2021 10:00	0	0	5,741	0	12	Atlas	Retained by Sreads Branch	2,124	1
	8/17/2021 14:00	8/17/2021 14:15	15	0	171,114	0	12	Atlas	Retained by Sreads Branch	37,645	1
	8/26/2021 19:15	8/26/2021 19:30	15	2	43,313	0	12	Atlas	Retained by Sreads Branch	72,766	1
	8/27/2021 14:45	8/27/2021 15:00	15	0	49,033	0	12	Atlas	Retained by Sreads Branch	17,652	1
	8/30/2021 12:45	8/30/2021 12:45	0	0	30,345	0	12	Atlas		28,221	1
	9/20/2021 4:30	9/20/2021 5:45	75	2	6,519	0	12	Atlas	Retained by Sreads Branch	12,973	1
	10/3/2021 9:30	10/3/2021 10:00	30	1	38,405	0	12	Atlas		42,629	1
	10/5/2021 20:30	10/5/2021 20:30	0	0	44,109	0	12	Atlas	Retained by Sreads Branch	24,260	1

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	10/15/2021 8:30	10/15/2021 8:30	0	0	6,272	0	12	Atlas	Retained by Sreads Branch	2,885	1
	12/11/2021 1:45	12/11/2021 1:45	0	1	12,461	0	12	Atlas	Retained by Sreads Branch	12,835	1
	12/31/2021 23:30	12/31/2021 23:30	0	2	850	0	12	Atlas	Retained by Sreads Branch	1,733	1
CSO142 Total										279,772	14
CSO144	10/15/2021 17:15	10/15/2021 20:00	165	0	510	0	12	Atlas		250	1
CSO144 Total										250	1
CSO146	7/16/2021 22:15	7/16/2021 22:15	0	0	10,719	0	12	Atlas		7,825	1
	8/17/2021 14:15	8/17/2021 14:15	0	0	10,800	0	12	Atlas		2,376	1
	10/5/2021 20:45	10/5/2021 20:45	0	0	22,844	0	12	Atlas		12,564	1
CSO146 Total										22,765	3
CSO148	7/11/2021 10:30	7/11/2021 13:30	180	1	49,585	0	12	Atlas		64,461	1
	7/6/2021 14:45	7/6/2021 14:45	0	0	1,865	0	12	Atlas		485	1
	7/10/2021 22:45	7/10/2021 23:00	15	0	11,076	0	12	Atlas		9,636	1
	7/16/2021 22:00	7/17/2021 2:30	270	0	36,953	0	12	Atlas		27,715	1
	8/9/2021 10:00	8/9/2021 12:30	150	0	81,944	0	12	Atlas		33,597	1
	8/17/2021 14:00	8/17/2021 14:15	15	0	110,034	0	12	Atlas		81,425	1
	8/26/2021 19:15	8/26/2021 19:15	0	0	839	0	12	Atlas		277	1
	8/27/2021 14:45	8/27/2021 14:45	0	0	97,943	0	12	Atlas		49,951	1
	8/30/2021 12:00	8/30/2021 12:45	45	0	59,347	0	12	Atlas		56,380	1
	9/5/2021 3:15	9/5/2021 3:15	0	0	549	0	12	Atlas		544	1
	9/20/2021 3:30	9/20/2021 8:30	300	2	28,143	0	12	Atlas		49,532	1
	10/3/2021 9:30	10/3/2021 9:45	15	0	83,535	0	3	Atlas		76,017	1
	10/5/2021 20:15	10/5/2021 20:30	15	0	73,765	0	3	Atlas		39,833	1
	10/25/2021 4:45	10/25/2021 5:15	30	0	25,428	0	1	Atlas		10,934	1
	12/6/2021 2:45	12/6/2021 7:15	270	0	2,454	0	1	Atlas		1,595	1
	12/10/2021 23:30	12/11/2021 5:45	375	0	39,785	0	3	Atlas		39,387	1
	12/16/2021 15:15	12/16/2021 16:00	45	0	2,321	0	1	Atlas		673	1
	12/28/2021 22:45	12/28/2021 22:45	0	0	39	0	1	Atlas		25	1
CSO148 Total										542,467	18
CSO149	7/11/2021 13:15	7/11/2021 14:45	90	1	1,869,612	0	3	Atlas		2,318,319	1
	8/26/2021 19:30	8/26/2021 19:45	15	2	219,955	0	1	Atlas		369,525	1



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	8/27/2021 15:00	8/27/2021 15:00	0	0	134,408	0	1	Atlas		48,387	1
	9/20/2021 8:45	9/20/2021 11:00	135	2	1,093,511	0	1	Atlas		2,176,087	1
	10/3/2021 10:00	10/3/2021 10:00	0	1	234,282	0	1	Atlas		280,053	1
CSO149 Total										5,172,371	5
CSO151	7/1/2021 11:30	7/1/2021 15:30	240	1	789,919	0	3	Atlas		916,306	1
	7/6/2021 15:15	7/6/2021 15:15	0	0	44,431	0	3	Atlas		5,776	1
	7/10/2021 23:00	7/10/2021 23:45	45	0	106,683	0	3	Atlas		93,881	1
	7/12/2021 7:15	7/12/2021 7:15	0	0	92,845	0	3	Atlas		30,639	1
	7/16/2021 22:15	7/17/2021 3:00	285	0	164,204	0	1	Atlas		124,795	1
	8/9/2021 10:15	8/9/2021 10:15	0	0	40,662	0	1	Atlas		15,858	1
	8/17/2021 14:15	8/17/2021 14:15	0	0	15,498	0	3	Atlas		9,144	1
	8/26/2021 19:45	8/26/2021 19:45	0	0	2,280	0	3	Atlas		1,710	1
	8/27/2021 15:00	8/27/2021 15:15	15	0	529,076	0	3	Atlas		222,212	1
	8/30/2021 12:30	8/30/2021 15:15	165	1	1,120,671	0	1	Atlas		1,176,705	1
	9/5/2021 3:45	9/5/2021 9:30	345	1	62,578	0	3	Atlas		62,578	1
	9/20/2021 4:00	9/20/2021 12:30	510	2	576,494	0	1	Atlas		1,043,454	1
	9/22/2021 0:45	9/22/2021 1:15	30	1	53,735	0	1	Atlas		60,720	1
	9/22/2021 11:45	9/22/2021 12:15	30	1	60,982	0	1	Atlas		68,910	1
	10/3/2021 10:00	10/3/2021 11:00	60	0	29,156	0	3	Atlas		28,573	1
	10/5/2021 20:45	10/5/2021 20:45	0	0	30,300	0	3	Atlas		16,665	1
	10/15/2021 18:00	10/15/2021 18:15	15	0	19,267	0	3	Atlas		8,285	1
	10/25/2021 5:15	10/25/2021 6:00	45	0	176,271	0	3	Atlas		74,034	1
	11/11/2021 14:15	11/11/2021 14:30	15	0	41,606	0	3	Atlas		14,562	1
	12/6/2021 3:15	12/6/2021 7:45	270	0	69,992	0	1	Atlas		44,095	1
	12/11/2021 0:00	12/11/2021 6:30	390	1	233,954	0	3	Atlas		236,294	1
	12/16/2021 16:15	12/16/2021 16:45	30	0	223,880	0	3	Atlas		67,164	1
	12/28/2021 23:15	12/29/2021 1:30	135	0	39,393	0	1	Atlas		27,575	1
CSO151 Total										4,349,935	23
CSO152	7/1/2021 11:45	7/1/2021 14:45	180	1	422,607	0	1	Atlas		515,581	1
	8/27/2021 15:15	8/27/2021 15:15	0	0	5,891	0	3	Atlas		2,003	1
	8/30/2021 12:45	8/30/2021 14:00	75	1	752,034	0	3	Atlas		774,595	1
	9/5/2021 3:30	9/5/2021 3:30	0	1	2,731	0	1	Atlas		2,731	1
	9/20/2021 8:15	9/20/2021 11:15	180	2	379,037	0	1	Atlas		746,702	1
	10/3/2021 10:00	10/3/2021 10:45	45	1	4,864	0	3	Atlas		5,059	1
	12/11/2021 2:15	12/11/2021 6:00	225	1	34,926	0	3	Atlas		35,974	1

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CSO152 Total										2,082,645	7
CSO153	7/1/2021 11:00	7/1/2021 15:45	285	1	248,101	0	1	Atlas		270,430	1
	7/8/2021 18:45	7/8/2021 19:00	15	0	60,362	0	1	Atlas		22,334	1
	7/10/2021 8:00	7/10/2021 8:00	0	0	11,606	0	1	Atlas		1,857	1
	7/10/2021 18:45	7/11/2021 3:45	540	1	87,489	0	3	Atlas		90,114	1
	7/12/2021 7:00	7/12/2021 14:45	465	0	155,137	0	3	Atlas		66,709	1
	7/16/2021 22:00	7/17/2021 3:15	315	0	186,884	0	1	Atlas		115,868	1
	8/9/2021 10:00	8/9/2021 10:45	45	0	175,500	0	1	Atlas		56,160	1
	8/16/2021 12:30	8/16/2021 12:30	0	0	3,420	0	1	Atlas		171	1
	8/17/2021 14:15	8/17/2021 14:45	30	0	206,900	0	1	Atlas		37,242	1
	8/25/2021 13:30	8/25/2021 13:30	0	0	12,767	0	1	Atlas		1,532	1
	8/26/2021 19:00	8/26/2021 20:45	105	1	101,687	0	1	Atlas		148,463	1
	8/27/2021 15:00	8/27/2021 15:30	30	0	301,707	0	1	Atlas		42,239	1
	8/30/2021 11:45	8/30/2021 14:00	135	1	290,620	0	1	Atlas		319,682	1
	8/31/2021 21:00	8/31/2021 21:15	15	0	4,091	0	1	Atlas		1,923	1
	9/5/2021 3:00	9/5/2021 10:30	450	1	172,570	0	1	Atlas		181,198	1
	9/8/2021 4:15	9/8/2021 4:15	0	0	45,500	0	1	Atlas		4,550	1
	9/19/2021 15:00	9/19/2021 16:15	75	2	52,638	0	1	Atlas		105,276	1
	9/20/2021 3:30	9/20/2021 10:30	420	2	248,086	0	1	Atlas		496,171	1
	9/21/2021 22:45	9/22/2021 15:45	1020	0	80,948	0	1	Atlas		79,329	1
	10/3/2021 9:30	10/3/2021 11:30	120	1	284,230	0	1	Atlas		389,395	1
	10/5/2021 20:15	10/5/2021 21:30	75	0	241,481	0	1	Atlas		130,400	1
	10/6/2021 16:15	10/6/2021 16:30	15	0	129,758	0	1	Atlas		24,654	1
	10/15/2021 8:30	10/15/2021 9:00	30	0	74,126	0	1	Atlas		39,287	1
	10/15/2021 17:15	10/15/2021 18:00	45	0	210,258	0	1	Atlas		111,437	1
	10/24/2021 7:15	10/24/2021 9:00	105	0	139,277	0	1	Atlas		36,212	1
	10/25/2021 4:30	10/25/2021 13:30	540	0	186,429	0	1	Atlas		83,893	1
	10/28/2021 14:15	10/28/2021 14:30	15	0	2,781	0	1	Atlas		584	1
	10/29/2021 22:00	10/29/2021 22:15	15	0	7,296	0	1	Atlas		3,940	1
	10/30/2021 8:30	10/30/2021 8:45	15	0	3,956	0	1	Atlas		2,136	1
	11/11/2021 13:45	11/11/2021 14:30	45	0	25,847	0	1	Atlas		8,788	1
	11/18/2021 4:45	11/18/2021 5:30	45	0	38,129	0	1	Atlas		14,489	1
	11/21/2021 8:45	11/21/2021 10:00	75	0	21,888	0	1	Atlas		7,223	1
	11/25/2021 8:00	11/25/2021 8:15	15	0	2,036	0	1	Atlas		570	1



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	12/6/2021 2:30	12/6/2021 14:30	720	0	62,655	0	1	Atlas		41,352	1
	12/10/2021 23:30	12/11/2021 10:45	675	0	280,597	0	1	Atlas		272,179	1
	12/16/2021 15:15	12/16/2021 17:00	105	0	117,279	0	1	Atlas		34,011	1
	12/17/2021 17:00	12/17/2021 22:15	315	0	13,260	0	1	Atlas		6,232	1
	12/28/2021 22:00	12/29/2021 1:15	195	0	105,573	0	1	Atlas		70,734	1
CSO153 Total										3,318,764	38
CSO160	7/8/2021 18:45	7/8/2021 18:45	0	0	17,680	0	1	Atlas		7,956	1
	7/12/2021 9:30	7/12/2021 9:30	0	0	4,094	0	1	Atlas		2,579	1
	8/25/2021 13:15	8/25/2021 13:15	0	0	28,369	0	1	Atlas		4,539	1
	8/26/2021 19:30	8/26/2021 19:45	15	3	12,980	0	1	Atlas		37,382	1
	9/20/2021 10:00	9/20/2021 10:00	0	2	3,306	0	1	Atlas		6,811	1
	10/3/2021 9:45	10/3/2021 9:45	0	1	20,716	0	1	Atlas		29,831	1
CSO160 Total										89,098	6
CSO161	7/11/2021 12:30	7/11/2021 13:00	30	1	4,701	0	1	Atlas		5,594	1
	7/8/2021 18:30	7/8/2021 18:45	15	0	42,787	0	1	Atlas		19,254	1
	7/10/2021 8:00	7/10/2021 8:00	0	0	2,871	0	1	Atlas		603	1
	7/10/2021 18:30	7/10/2021 23:00	270	1	8,930	0	1	Atlas		9,734	1
	7/12/2021 9:30	7/12/2021 9:45	15	0	20,159	0	1	Atlas		12,700	1
	7/16/2021 21:45	7/17/2021 2:45	300	0	8,589	0	1	Atlas		5,497	1
	8/9/2021 10:00	8/9/2021 10:00	0	0	10,960	0	1	Atlas		3,288	1
	8/19/2021 4:30	8/19/2021 4:30	0	0	4,205	0	1	Atlas		841	1
	8/25/2021 13:15	8/25/2021 13:15	0	0	1,169	0	1	Atlas		187	1
	8/26/2021 18:45	8/26/2021 19:45	60	3	25,308	0	1	Atlas		72,888	1
	8/27/2021 14:45	8/27/2021 15:00	15	0	15,303	0	1	Atlas		5,815	1
	8/30/2021 11:45	8/30/2021 13:15	90	0	10,457	18	1	Atlas		9,516	1
	9/5/2021 3:00	9/5/2021 9:00	360	1	13,329	0	1	Atlas		13,729	1
	9/6/2021 4:00	9/6/2021 4:00	0	0	11,809	55	1	Atlas		1,299	1
	9/19/2021 15:00	9/19/2021 16:00	60	2	6,251	18	1	Atlas		12,878	1
	9/20/2021 3:30	9/20/2021 10:15	405	2	20,645	2	1	Atlas		42,529	1
	9/21/2021 21:30	9/22/2021 14:45	1035	1	19,260	55	1	Atlas		21,379	1
	10/3/2021 9:15	10/3/2021 10:45	90	1	33,613	4	1	Atlas		48,403	1
	10/5/2021 20:00	10/5/2021 21:15	75	0	23,069	18	1	Atlas		11,996	1
	10/6/2021 16:15	10/6/2021 16:30	15	0	15,684	0	1	Atlas		3,921	1
	10/13/2021 14:45	10/13/2021 14:45	0	0	3,500	55	1	Atlas		140	1

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	10/24/2021 7:15	10/24/2021 8:15	60	0	17,344	53	1	Atlas		4,336	1
	10/25/2021 4:00	10/25/2021 5:30	90	0	24,665	53	1	Atlas		11,839	1
	10/28/2021 11:00	10/28/2021 15:00	240	0	6,753	4	1	Atlas		1,283	1
	10/29/2021 16:45	10/30/2021 9:15	990	0	16,370	60	1	Atlas		8,676	1
	12/11/2021 1:30	12/11/2021 5:30	240	0	1,642	60	1	Atlas		1,494	1
CSO161 Total										329,819	26
CSO166	7/1/2021 11:45	7/1/2021 14:30	165	1	672,986	37	1	Atlas		747,015	1
	7/6/2021 15:45	7/6/2021 16:30	45	0	814,240	64	1	Atlas		122,136	1
	7/8/2021 18:30	7/8/2021 20:15	105	0	895,588	60	1	Atlas		295,544	1
	7/10/2021 20:00	7/11/2021 0:15	255	1	275,306	60	1	Atlas		349,639	1
	7/12/2021 6:45	7/12/2021 8:15	90	1	945,650	37	1	Atlas		1,200,976	1
	7/16/2021 22:15	7/17/2021 3:00	285	0	55,836	55	1	Atlas		37,410	1
	8/9/2021 10:15	8/9/2021 11:00	45	0	364,733	5	1	Atlas		145,893	1
	8/27/2021 15:00	8/27/2021 16:00	60	0	572,030	5	1	Atlas		366,099	1
	8/30/2021 12:00	8/30/2021 15:15	195	1	830,859	60	1	Atlas		1,005,339	1
	9/5/2021 3:30	9/5/2021 10:30	420	1	257,219	4	1	Atlas		262,363	1
	9/20/2021 4:45	9/20/2021 13:15	510	2	1,578,545	5	1	Atlas		2,478,315	1
	9/22/2021 0:45	9/22/2021 16:00	915	1	344,550	64	1	Atlas		354,887	1
	10/3/2021 9:45	10/3/2021 11:30	105	0	666,420	5	1	Atlas		646,427	1
	10/5/2021 20:30	10/5/2021 22:15	105	0	1,147,012	2	1	Atlas		653,797	1
	10/8/2021 14:45	10/8/2021 15:00	15	0	73,157	0	1	Atlas		16,826	1
	10/15/2021 9:00	10/15/2021 9:00	0	0	16,056	0	1	Atlas		8,028	1
	10/15/2021 17:30	10/15/2021 18:30	60	0	448,942	60	1	Atlas		224,471	1
	10/25/2021 5:15	10/25/2021 6:15	60	0	489,860	19	1	Atlas		210,640	1
	10/29/2021 21:00	10/29/2021 22:45	105	0	84,887	60	1	Atlas		44,141	1
	12/6/2021 3:15	12/6/2021 8:30	315	0	293,848	37	1	Atlas		202,755	1
	12/11/2021 0:00	12/11/2021 7:15	435	0	844,587	5	1	Atlas		802,358	1
	12/16/2021 16:15	12/16/2021 17:30	75	0	497,259	0	1	Atlas		144,205	1
	12/28/2021 23:15	12/29/2021 2:15	180	0	459,662	5	1	Atlas		317,167	1
CSO166 Total										10,636,431	23
CSO167	7/1/2021 12:30	7/1/2021 23:00	630	0	168	5	1	Atlas		153	1
	7/8/2021 18:15	7/8/2021 23:00	285	0	7,398	5	1	Atlas		3,477	1
	7/10/2021 22:45	7/10/2021 23:00	15	1	1	0	1	Atlas		1	1



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	7/16/2021 21:45	7/16/2021 23:00	75	0	327	5	1	Atlas		219	1
	8/27/2021 14:30	8/27/2021 23:00	510	0	24,176	60	1	Atlas		4,110	1
	8/30/2021 11:45	8/30/2021 23:00	675	1	9,237	0	1	Atlas		10,900	1
	9/5/2021 3:15	9/5/2021 23:00	1185	1	2	5	1	Atlas		2	1
	9/20/2021 4:30	9/20/2021 23:00	1110	2	363	5	1	Atlas		563	1
	10/3/2021 9:15	10/3/2021 23:00	825	1	10,677	5	1	Atlas		14,521	1
	10/5/2021 20:15	10/5/2021 23:00	165	0	1,658	5	1	Atlas		1,144	1
	10/15/2021 17:15	10/15/2021 23:00	345	0	891	0	3	Atlas		481	1
	12/11/2021 1:30	12/11/2021 23:00	1290	1	2,995	0	1	Atlas		3,025	1
CSO167 Total										38,596	12
CSO174	7/11/2021 11:00	7/11/2021 13:45	165	1	703,652	0	1	Atlas		872,529	1
	7/6/2021 15:00	7/6/2021 15:00	0	0	2,725	0	1	Atlas	Retained by Sneads Branch	327	1
	7/10/2021 23:00	7/10/2021 23:15	15	0	101,378	0	1	Atlas	Retained by Sneads Branch	96,309	1
	7/16/2021 21:45	7/17/2021 2:30	285	0	390,603	0	1	Atlas	Retained by Sneads Branch	285,140	1
	8/9/2021 10:00	8/9/2021 10:15	15	0	225,346	0	3	Atlas	Retained by Sneads Branch	83,378	1
	8/17/2021 14:00	8/17/2021 14:15	15	0	824,173	0	3	Atlas	Retained by Sneads Branch	181,318	1
	8/26/2021 19:15	8/26/2021 19:15	0	2	105,762	0	1	Atlas	Retained by Sneads Branch	177,680	1
	8/27/2021 14:30	8/27/2021 15:00	30	0	1,682,386	0	1	Atlas	Retained by Sneads Branch	605,659	1
	8/30/2021 12:15	8/30/2021 13:15	60	0	881,580	0	1	Atlas		819,869	1
	9/20/2021 3:45	9/20/2021 9:00	315	2	270,059	0	3	Atlas	Retained by Sneads Branch	537,417	1
	9/22/2021 0:30	9/22/2021 0:45	15	1	102,232	0	1	Atlas	Retained by Sneads Branch	112,455	1
	9/22/2021 11:30	9/22/2021 12:00	30	1	188,585	0	1	Atlas	Retained by Sneads Branch	207,444	1
	10/3/2021 9:30	10/3/2021 10:30	60	1	500,899	0	3	Atlas		555,998	1
	10/5/2021 20:15	10/5/2021 20:45	30	0	273,658	0	1	Atlas	Retained by Sneads Branch	150,512	1

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	10/6/2021 16:15	10/6/2021 16:30	15	0	63,618	0	1	Atlas	Retained by Sneads Branch	17,813	1
	10/25/2021 5:00	10/25/2021 5:30	30	0	56,107	0	1	Atlas	Retained by Sneads Branch	24,126	1
	12/11/2021 0:00	12/11/2021 5:45	345	1	165,385	0	1	Atlas	Retained by Sneads Branch	170,347	1
	12/28/2021 22:45	12/28/2021 23:00	15	0	30,473	0	1	Atlas	Retained by Sneads Branch	21,331	1
CSO174 Total										4,919,652	18
CSO178	8/26/2021 19:00	8/26/2021 19:30	30	3	512,165	0	1	Atlas		1,434,061	1
	10/3/2021 9:30	10/3/2021 9:45	15	2	255,324	0	1	Atlas		395,752	1
CSO178 Total										1,829,813	2
CSO180	7/11/2021 11:00	7/11/2021 13:30	150	1	124,555	0	1	Atlas		154,448	1
	7/10/2021 18:45	7/10/2021 23:00	255	0	28,543	0	1	Atlas	Retained by Sneads Branch	27,116	1
	7/12/2021 7:00	7/12/2021 9:45	165	0	39,006	0	1	Atlas	Retained by Sneads Branch	14,042	1
	7/16/2021 22:00	7/17/2021 2:30	270	0	48,374	0	1	Atlas	Retained by Sneads Branch	35,313	1
	8/9/2021 10:00	8/9/2021 10:00	0	0	91,954	0	1	Atlas	Retained by Sneads Branch	34,023	1
	8/17/2021 14:00	8/17/2021 14:15	15	0	143,832	0	1	Atlas	Retained by Sneads Branch	31,643	1
	8/26/2021 19:00	8/26/2021 19:45	45	2	206,839	0	1	Atlas	Retained by Sneads Branch	347,490	1
	8/27/2021 14:30	8/27/2021 15:00	30	0	543,800	0	1	Atlas	Retained by Sneads Branch	195,768	1
	8/30/2021 12:00	8/30/2021 13:15	75	0	116,522	0	1	Atlas		108,365	1
	9/5/2021 3:15	9/5/2021 3:15	0	0	4,235	0	1	Atlas	Retained by Sneads Branch	4,150	1
	9/19/2021 14:45	9/19/2021 14:45	0	2	4,129	0	1	Atlas	Retained by Sneads Branch	8,217	1
	9/20/2021 3:30	9/20/2021 8:15	285	2	43,259	0	3	Atlas	Retained by Sneads Branch	86,085	1
	9/22/2021 0:30	9/22/2021 0:30	0	1	11,608	0	3	Atlas	Retained by Sneads Branch	12,769	1



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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (INCH)	DISCHARGE PER RAIN	FREQUENCY (YR)	PERIOD (HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
	9/22/2021 11:15	9/22/2021 11:45	30	1	4,208	0	1	Atlas	Retained by Sreads Branch	4,629	1
	10/3/2021 9:15	10/3/2021 10:15	60	1	129,632	0	3	Atlas		143,891	1
	10/5/2021 20:15	10/5/2021 20:30	15	0	139,836	0	3	Atlas	Retained by Sreads Branch	76,910	1
	10/6/2021 16:15	10/6/2021 16:15	0	0	43,529	0	3	Atlas	Retained by Sreads Branch	12,188	1
	10/15/2021 17:15	10/15/2021 17:15	0	0	78,157	0	1	Atlas	Retained by Sreads Branch	35,952	1
	10/25/2021 4:45	10/25/2021 5:15	30	0	38,056	0	1	Atlas	Retained by Sreads Branch	16,364	1
	12/10/2021 23:30	12/11/2021 5:30	360	1	44,532	0	3	Atlas	Retained by Sreads Branch	45,868	1
	12/28/2021 22:45	12/28/2021 22:45	0	0	15,431	0	3	Atlas	Retained by Sreads Branch	10,802	1
CSO180 Total										1,406,033	21
CSO181	8/26/2021 19:00	8/26/2021 19:30	30	3	662,882	0	3	Atlas		1,690,350	1
	10/3/2021 9:30	10/3/2021 9:45	15	1	714,511	0	1	Atlas		1,000,316	1
CSO181 Total										2,690,666	2
CSO182	7/1/2021 0:30	7/1/2021 0:30	0	1	2,121	0	3	Atlas		2,821	1
	7/1/2021 10:30	7/1/2021 15:00	270	1	41,295	0	3	Atlas		54,923	1
	7/6/2021 15:30	7/6/2021 15:30	0	0	12,382	0	3	Atlas	Retained by Sreads Branch	2,105	1
	7/8/2021 19:15	7/8/2021 19:30	15	0	50,819	0	3	Atlas	Retained by Sreads Branch	8,131	1
	7/10/2021 19:00	7/11/2021 4:15	555	0	44,508	0	3	Atlas	Retained by Sreads Branch	38,722	1
	7/12/2021 7:15	7/12/2021 7:30	15	0	14,794	0	1	Atlas	Retained by Sreads Branch	4,882	1
	7/16/2021 22:15	7/17/2021 3:45	330	0	63,532	0	3	Atlas	Retained by Sreads Branch	45,108	1
	8/9/2021 10:00	8/9/2021 13:00	180	0	37,883	0	3	Atlas	Retained by Sreads Branch	15,532	1
	8/10/2021 10:00	8/10/2021 10:15	15	0	27,830	0	3	Atlas	Retained by Sreads Branch	2,783	1
	8/17/2021 14:00	8/17/2021 14:30	30	0	70,695	0	3	Atlas	Retained by Sreads Branch	14,846	1

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	8/19/2021 6:15	8/19/2021 6:30	15	0	4,704	0	3	Atlas	Retained by Sneads Branch	1,082	1
	8/26/2021 19:15	8/26/2021 19:30	15	0	4,053	0	3	Atlas	Retained by Sneads Branch	2,432	1
	8/30/2021 13:30	8/30/2021 18:30	300	0	14,267	0	3	Atlas		13,696	1
	8/31/2021 13:30	8/31/2021 22:00	510	0	65,035	0	3	Atlas		37,070	1
	9/5/2021 3:15	9/5/2021 10:45	450	0	43,786	0	3	Atlas	Retained by Sneads Branch	42,472	1
	9/8/2021 4:30	9/8/2021 4:45	15	0	17,873	0	3	Atlas	Retained by Sneads Branch	1,966	1
	9/20/2021 4:00	9/20/2021 11:15	435	2	127,357	2	3	Atlas	Retained by Sneads Branch	230,516	1
	9/22/2021 0:30	9/22/2021 16:30	960	1	427,200	0	3	Atlas	Retained by Sneads Branch	534,000	1
	10/3/2021 9:15	10/3/2021 17:30	495	1	232,737	0	6	Atlas		244,374	1
	10/5/2021 20:15	10/5/2021 21:30	75	0	14,834	0	6	Atlas	Retained by Sneads Branch	8,307	1
	10/6/2021 17:00	10/6/2021 17:15	15	0	19,238	0	6	Atlas	Retained by Sneads Branch	7,118	1
	10/15/2021 13:00	10/15/2021 18:00	300	0	39,330	0	6	Atlas	Retained by Sneads Branch	16,912	1
	10/25/2021 4:30	10/25/2021 5:45	75	0	156,127	0	6	Atlas	Retained by Sneads Branch	68,696	1
	10/28/2021 14:30	10/28/2021 14:30	0	0	11,716	0	6	Atlas	Retained by Sneads Branch	2,226	1
	10/29/2021 21:45	10/30/2021 9:00	675	0	51,002	0	6	Atlas	Retained by Sneads Branch	26,521	1
	11/11/2021 12:45	11/11/2021 14:45	120	0	72,162	0	6	Atlas	Retained by Sneads Branch	24,535	1
	11/18/2021 1:15	11/18/2021 6:00	285	0	73,564	0	6	Atlas	Retained by Sneads Branch	26,483	1
	11/21/2021 8:45	11/21/2021 9:30	45	0	67,961	0	6	Atlas	Retained by Sneads Branch	21,068	1
	11/25/2021 8:15	11/25/2021 9:30	75	0	10,024	0	6	Atlas	Retained by Sneads Branch	2,907	1
	12/6/2021 2:15	12/6/2021 8:00	345	0	68,593	0	6	Atlas	Retained by Sneads Branch	41,156	1



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	12/10/2021 23:30	12/11/2021 6:30	420	1	117,405	0	6	Atlas	Retained by Sneads Branch	119,753	1
	12/16/2021 15:15	12/16/2021 16:45	90	0	93,321	0	6	Atlas	Retained by Sneads Branch	26,130	1
	12/17/2021 16:45	12/17/2021 23:30	405	0	127,621	0	6	Atlas	Retained by Sneads Branch	61,258	1
	12/28/2021 10:15	12/28/2021 10:15	0	0	178	0	6	Atlas	Retained by Sneads Branch	121	1
	12/28/2021 23:00	12/29/2021 1:30	150	0	85,360	0	6	Atlas	Retained by Sneads Branch	58,045	1
CSO182 Total										1,808,697	35
CSO183	7/16/2021 22:00	7/16/2021 22:00	0	0	83	0	6	Atlas	Retained by Sneads Branch	60	1
	8/9/2021 10:00	8/9/2021 10:00	0	0	483	0	6	Atlas	Retained by Sneads Branch	222	1
	8/17/2021 14:00	8/17/2021 14:00	0	0	32,718	0	6	Atlas	Retained by Sneads Branch	3,599	1
	8/27/2021 14:30	8/27/2021 14:45	15	0	9,752	0	6	Atlas	Retained by Sneads Branch	6,534	1
	8/30/2021 12:30	8/30/2021 12:45	15	0	313	0	6	Atlas	Retained by Sneads Branch	272	1
	9/20/2021 5:45	9/20/2021 5:45	0	2	33	0	6	Atlas	Retained by Sneads Branch	54	1
	10/3/2021 9:45	10/3/2021 9:45	0	1	2,634	0	6	Atlas	Retained by Sneads Branch	2,713	1
	10/6/2021 16:15	10/6/2021 16:15	0	0	4,929	0	6	Atlas	Retained by Sneads Branch	1,725	1
CSO183 Total										15,179	8
CSO184	7/12/2021 11:00	7/11/2021 12:30	90	2	7,873	0	6	Atlas	Retained by Sneads Branch	12,597	1
	7/16/2021 22:00	7/16/2021 22:00	0	0	17,240	0	6	Atlas	Retained by Sneads Branch	12,413	1
	8/9/2021 10:00	8/9/2021 10:00	0	0	12,493	0	6	Atlas	Retained by Sneads Branch	5,747	1
	8/17/2021 14:00	8/17/2021 14:00	0	0	226,955	0	6	Atlas	Retained by Sneads Branch	24,965	1
	8/27/2021 14:30	8/27/2021 14:45	15	0	322,052	0	6	Atlas	Retained by Sneads Branch	215,775	1
	8/30/2021 12:30	8/30/2021 12:45	15	0	48,284	0	6	Atlas	Retained by Sneads Branch	42,007	1

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	9/20/2021 5:45	9/20/2021 5:45	0	2	6,301	0	6	Atlas	Retained by Sneads Branch	10,333	1
	10/3/2021 9:30	10/3/2021 10:00	30	1	17,033	0	6	Atlas		17,544	1
	10/5/2021 20:30	10/5/2021 20:30	0	0	5,341	0	6	Atlas	Retained by Sneads Branch	3,098	1
	12/11/2021 1:45	12/11/2021 1:45	0	1	10,021	0	6	Atlas	Retained by Sneads Branch	10,021	1
CSO184 Total										354,500	10
CSO185	7/1/2021 10:15	7/1/2021 13:30	195	2	59,287	0	6	Atlas		94,859	1
	7/6/2021 15:00	7/6/2021 15:00	0	0	11,768	0	6	Atlas	Retained by Sneads Branch	2,589	1
	7/10/2021 23:00	7/10/2021 23:00	0	0	10,729	0	6	Atlas	Retained by Sneads Branch	8,905	1
	7/16/2021 22:00	7/17/2021 2:30	270	0	63,167	0	1	Atlas	Retained by Sneads Branch	45,480	1
	8/9/2021 10:00	8/9/2021 10:00	0	0	73,552	0	3	Atlas	Retained by Sneads Branch	33,834	1
	8/17/2021 14:00	8/17/2021 14:00	0	0	136,555	0	3	Atlas	Retained by Sneads Branch	15,021	1
	8/27/2021 14:30	8/27/2021 15:00	30	0	713,688	0	12	Atlas	Retained by Sneads Branch	478,171	1
	8/30/2021 12:15	8/30/2021 13:15	60	0	169,599	0	12	Atlas		147,551	1
	9/20/2021 3:45	9/20/2021 8:15	270	2	36,536	0	1	Atlas	Retained by Sneads Branch	59,919	1
	9/22/2021 0:30	9/22/2021 0:45	15	1	13,180	0	12	Atlas	Retained by Sneads Branch	18,056	1
	9/22/2021 11:30	9/22/2021 11:45	15	1	13,722	0	12	Atlas	Retained by Sneads Branch	18,799	1
	10/3/2021 9:30	10/3/2021 10:30	60	1	144,998	0	12	Atlas		149,348	1
	10/5/2021 20:30	10/5/2021 20:45	15	0	81,698	0	1	Atlas	Retained by Sneads Branch	47,385	1
	10/6/2021 16:15	10/6/2021 16:30	15	0	35,669	0	12	Atlas	Retained by Sneads Branch	12,484	1
	10/25/2021 5:00	10/25/2021 5:15	15	0	11,538	0	1	Atlas	Retained by Sneads Branch	5,423	1
	12/11/2021 2:00	12/11/2021 5:45	225	1	8,061	0	12	Atlas	Retained by Sneads Branch	8,061	1



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	12/28/2021 23:00	12/28/2021 23:00	0	0	12,389	0	12	Atlas	Retained by Sneads Branch	7,805	1
	12/31/2021 23:30	12/31/2021 23:45	15	2	3,458	0	1	Atlas	Retained by Sneads Branch	7,158	1
CSO185 Total										1,160,848	18
CSO186	8/26/2021 19:15	8/26/2021 19:15	0	2	22,500	0	1	Atlas	Retained by Sneads Branch	37,800	1
	10/3/2021 9:45	10/3/2021 9:45	0	1	2,059	0	1	Atlas		2,285	1
CSO186 Total										40,085	2
CSO187	8/17/2021 13:45	8/17/2021 13:45	0	0	54,264	0	1	Atlas	Retained by Sneads Branch	11,938	1
	8/26/2021 18:45	8/26/2021 19:00	15	2	39,726	0	12	Atlas	Retained by Sneads Branch	66,740	1
	8/27/2021 14:30	8/27/2021 14:30	0	0	34,803	0	1	Atlas	Retained by Sneads Branch	12,529	1
	8/30/2021 12:15	8/30/2021 12:15	0	0	24,166	0	12	Atlas		22,474	1
	10/3/2021 9:15	10/3/2021 9:30	15	1	26,073	0	1	Atlas		28,941	1
CSO187 Total										142,622	5
CSO188	8/26/2021 19:15	8/26/2021 19:15	0	2	42,001	0	1	Atlas	Retained by Sneads Branch	70,562	1
	10/3/2021 9:45	10/3/2021 9:45	0	1	107	0	12	Atlas		119	1
CSO188 Total										70,681	2
CSO189	7/11/2021 13:00	7/11/2021 14:45	105	2	3,813,267	0	12	Atlas		6,291,891	1
	7/10/2021 22:30	7/11/2021 0:45	135	2	2,440,554	0	3	Atlas		4,075,725	1
	7/12/2021 9:15	7/12/2021 9:30	15	1	305,249	0	1	Atlas		387,666	1
	8/26/2021 19:30	8/26/2021 20:45	75	0	112,298,886	0	1	Atlas		15,721,844	1
	9/19/2021 15:00	9/19/2021 16:15	75	2	7,418,025	0	12	Atlas		16,913,098	1
	9/20/2021 7:30	9/20/2021 11:30	240	2	11,745,429	0	1	Atlas		26,779,578	1
	10/3/2021 9:45	10/3/2021 11:00	75	0	7,277,293	0	12	Atlas		4,439,149	1
	10/5/2021 20:45	10/5/2021 22:00	75	0	6,696,733	0	12	Atlas		2,812,628	1
	12/11/2021 1:30	12/11/2021 12:45	675	1	107,724,986	0	12	Atlas		118,497,485	1
CSO189 Total										195,919,064	9
CSO190	7/11/2021 11:00	7/11/2021 13:15	135	1	140,367	0	6	Atlas		171,248	1
	7/8/2021 18:30	7/8/2021 18:45	15	0	46,303	0	12	Atlas		32,412	1
	7/10/2021 22:30	7/10/2021 23:00	30	1	51,054	0	12	Atlas		65,349	1

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	7/12/2021 9:15	7/12/2021 9:45	30	0	539,734	0	12	Atlas		491,158	1
	7/16/2021 21:45	7/17/2021 2:30	285	0	17,747	0	12	Atlas		17,392	1
	8/26/2021 19:15	8/26/2021 20:45	90	2	560,664	0	12	Atlas		1,300,741	1
	8/27/2021 14:45	8/27/2021 15:15	30	1	360,941	0	12	Atlas		375,379	1
	8/30/2021 11:30	8/30/2021 13:00	90	0	380,326	0	6	Atlas		286,228	1
	9/19/2021 15:00	9/19/2021 15:15	15	2	15,933	0	6	Atlas		35,689	1
	9/20/2021 4:15	9/20/2021 10:00	345	2	188,293	0	12	Atlas		421,777	1
	9/21/2021 21:15	9/21/2021 21:45	30	1	71,477	0	12	Atlas		104,356	1
	10/3/2021 9:15	10/3/2021 10:15	60	1	595,003	0	12	Atlas		791,354	1
	10/5/2021 20:15	10/5/2021 20:45	30	0	49,259	0	12	Atlas		25,122	1
	10/6/2021 16:15	10/6/2021 16:15	0	0	3,548	0	12	Atlas		1,029	1
	10/25/2021 5:00	10/25/2021 5:00	0	0	3,187	0	12	Atlas		1,466	1
	12/11/2021 1:15	12/11/2021 1:45	30	1	16,682	0	12	Atlas		17,349	1
CSO190 Total										4,118,049	16
CSO191	7/12/2021 11:00	7/30/2021 9:15	41655	2	2,487,119	0	12	Atlas		4,924,495	1
	8/30/2021 13:30	8/30/2021 14:30	60	0	145,533	0	12	Atlas		84,409	1
	9/20/2021 6:00	9/20/2021 7:45	105	2	74,586	0	12	Atlas		156,630	1
	10/3/2021 10:00	10/3/2021 10:45	45	1	286,664	0	12	Atlas		323,930	1
CSO191 Total										5,489,464	4
CSO193	7/12/2021 11:00	7/12/2021 13:30	150	1	9,173	0	12	Atlas		13,117	1
	7/8/2021 18:45	7/8/2021 18:45	0	0	77	0	12	Atlas		27	1
	7/10/2021 18:45	7/10/2021 23:00	255	1	321	0	12	Atlas		343	1
	7/12/2021 9:30	7/12/2021 10:00	30	0	12,350	0	12	Atlas		7,657	1
	7/16/2021 22:00	7/17/2021 2:30	270	0	3,527	0	12	Atlas		2,081	1
	8/26/2021 19:00	8/26/2021 20:00	60	3	102,767	0	12	Atlas		287,747	1
	8/27/2021 14:45	8/27/2021 15:00	15	0	99,211	0	12	Atlas		55,558	1
	8/30/2021 12:15	8/30/2021 12:45	30	0	3,266	0	12	Atlas		2,874	1
	9/20/2021 4:30	9/20/2021 10:00	330	2	2,431	0	12	Atlas		4,910	1
	9/22/2021 11:30	9/22/2021 11:45	15	1	2,316	0	12	Atlas		2,640	1
	10/3/2021 9:30	10/3/2021 10:00	30	2	83,261	0	12	Atlas		129,055	1
	10/5/2021 20:30	10/5/2021 20:45	15	0	5,304	0	12	Atlas		2,705	1
	12/11/2021 1:45	12/11/2021 5:30	225	0	4,720	0	12	Atlas		4,342	1
CSO193 Total										513,056	13
CSO196	7/12/2021 12:00	7/12/2021 12:45	45	1	4,629	0	12	Atlas		6,064	1
	7/10/2021 18:30	7/10/2021 22:45	255	1	375	0	1	Atlas		383	1
	7/12/2021 9:30	7/12/2021 9:30	0	0	12,837	0	1	Atlas		6,290	1



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	7/16/2021 21:45	7/16/2021 21:45	0	0	725	0	1	Atlas		413	1
	8/9/2021 10:00	8/9/2021 10:00	0	0	117	0	1	Atlas		42	1
	8/26/2021 19:00	8/26/2021 19:30	30	2	95,134	0	1	Atlas		167,436	1
	8/27/2021 14:30	8/27/2021 14:45	15	0	251,058	0	1	Atlas		125,529	1
	8/30/2021 12:30	8/30/2021 12:30	0	0	56,645	0	1	Atlas		49,281	1
	9/20/2021 3:45	9/20/2021 8:00	255	2	77	0	1	Atlas		147	1
	10/3/2021 9:30	10/3/2021 9:45	15	1	76,854	0	1	Atlas		109,901	1
	10/5/2021 20:15	10/5/2021 20:30	15	0	4,025	0	1	Atlas		2,133	1
CSO196 Total										467,619	11
CSO197	7/11/2021 12:00	7/11/2021 12:00	0	1	756	0	1	Atlas		991	1
	8/26/2021 19:00	8/26/2021 19:15	15	2	259,398	0	1	Atlas		456,541	1
	8/27/2021 14:15	8/27/2021 14:30	15	0	4,934	0	1	Atlas		2,467	1
	8/30/2021 12:15	8/30/2021 12:15	0	0	75	0	1	Atlas		65	1
	10/3/2021 9:30	10/3/2021 9:30	0	1	19,692	0	1	Atlas		28,160	1
	10/5/2021 20:15	10/5/2021 20:15	0	0	2,283	0	1	Atlas		1,210	1
	11/18/2021 10:45	11/18/2021 10:45	0	0	295	0	1	Atlas		115	1
CSO197 Total										489,549	7
CSO198	7/11/2021 12:00	7/11/2021 12:45	45	1	1,758	0	1	Atlas		2,303	1
	8/26/2021 18:45	8/26/2021 19:15	30	2	130,655	0	1	Atlas		229,953	1
	8/27/2021 14:15	8/27/2021 14:45	30	0	49,298	0	1	Atlas		24,649	1
	8/30/2021 12:15	8/30/2021 12:15	0	0	2,554	0	1	Atlas		2,222	1
	10/3/2021 9:15	10/3/2021 9:45	30	1	80,472	0	1	Atlas		115,075	1
	10/5/2021 20:15	10/5/2021 20:15	0	0	14,168	0	1	Atlas		7,509	1
CSO198 Total										381,711	6
CSO199	7/11/2021 11:00	7/11/2021 15:15	255	1	9,866	0	1	Atlas		12,924	1
	7/8/2021 19:00	7/8/2021 19:00	0	0	13	0	1	Atlas		3	1
	7/10/2021 18:45	7/10/2021 23:00	255	1	729	0	1	Atlas		744	1
	7/12/2021 9:45	7/12/2021 9:45	0	0	5,720	0	1	Atlas		2,803	1
	7/16/2021 22:00	7/17/2021 2:30	270	0	851	0	1	Atlas		485	1
	8/9/2021 10:00	8/9/2021 10:00	0	0	700	0	1	Atlas		252	1
	8/26/2021 19:30	8/26/2021 19:45	15	2	9,122	0	1	Atlas		16,055	1
	8/30/2021 12:30	8/30/2021 12:45	15	0	1,490	0	1	Atlas		1,296	1
	9/19/2021 15:00	9/19/2021 15:00	0	2	153	0	1	Atlas		291	1
	9/20/2021 4:30	9/20/2021 5:45	75	2	633	0	1	Atlas		1,202	1
	10/3/2021 9:30	10/3/2021 10:15	45	1	56,350	0	1	Atlas		80,580	1

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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (INCH)	DISCHARGE PER RAIN	FREQUENCY (YR)	PERIOD (HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
	10/5/2021 20:30	10/5/2021 20:45	15	0	10,545	0	1	Atlas		5,589	1
	10/15/2021 8:30	10/15/2021 17:30	540	0	1,258	0	1	Atlas		717	1
	10/24/2021 7:45	10/24/2021 10:45	180	0	174	0	1	Atlas		47	1
	10/25/2021 5:00	10/25/2021 5:15	15	0	2	0	1	Atlas		1	1
	10/30/2021 8:00	10/30/2021 16:15	495	0	4	0	1	Atlas		2	1
	11/21/2021 12:45	11/21/2021 12:45	0	0	0	0	3	Atlas		0	1
	12/11/2021 1:45	12/11/2021 5:45	240	0	944	0	3	Atlas		887	1
	12/16/2021 17:45	12/16/2021 17:45	0	0	3	2	3	Atlas		1	1
	12/29/2021 1:30	12/29/2021 1:45	15	0	1	2	3	Atlas		1	1
	12/29/2021 12:00	12/29/2021 12:00	0	0	18	2	3	Atlas		12	1
	12/31/2021 23:30	12/31/2021 23:45	15	2	130	0	3	Atlas		272	1
CSO199 Total										124,164	22
CSO200	8/27/2021 14:30	8/27/2021 14:45	15	0	1,272	0	3	Atlas		636	1
CSO200 Total										636	1
CSO201	7/1/2021 11:30	7/1/2021 13:00	90	1	7,157	2	3	Atlas		10,234	1
	7/10/2021 18:45	7/10/2021 23:00	255	1	1,022	0	3	Atlas		1,094	1
	7/12/2021 9:45	7/12/2021 10:00	15	0	6,800	0	3	Atlas		4,216	1
	7/16/2021 22:00	7/16/2021 22:00	0	0	2,725	0	3	Atlas		1,608	1
	8/26/2021 19:45	8/26/2021 20:00	15	3	28,405	0	3	Atlas		79,533	1
	8/27/2021 14:45	8/27/2021 15:00	15	0	31,645	0	3	Atlas		17,721	1
	10/3/2021 9:30	10/3/2021 10:00	30	2	20,992	0	3	Atlas		32,537	1
	10/5/2021 20:30	10/5/2021 20:30	0	0	12,596	0	3	Atlas		6,424	1
	10/15/2021 8:30	10/15/2021 8:30	0	0	16,983	0	3	Atlas		9,171	1
CSO201 Total										162,538	9
CSO202	7/1/2021 11:00	7/1/2021 13:00	120	1	11,369	0	3	Atlas		14,893	1
	7/10/2021 18:45	7/10/2021 23:00	255	1	702	0	3	Atlas		716	1
	7/12/2021 9:30	7/12/2021 9:45	15	0	5,545	0	3	Atlas		2,717	1
	7/16/2021 22:00	7/17/2021 2:30	270	0	395	0	3	Atlas		225	1
	8/9/2021 10:00	8/9/2021 10:00	0	0	4,408	0	3	Atlas		1,587	1
	8/26/2021 19:00	8/26/2021 19:45	45	2	43,183	0	3	Atlas		76,002	1
	8/27/2021 14:30	8/27/2021 15:00	30	0	21,962	0	3	Atlas		10,981	1
	8/30/2021 12:15	8/30/2021 12:45	30	0	1,661	0	3	Atlas		1,445	1



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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (INCH)	DISCHARGE PER RAIN	FREQUENCY (YR)	PERIOD (HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
	9/19/2021 15:00	9/19/2021 15:00	0	2	15	0	3	Atlas		28	1
	9/20/2021 4:30	9/20/2021 4:30	0	2	35	0	3	Atlas		66	1
	10/3/2021 9:30	10/3/2021 10:00	30	1	34,965	0	3	Atlas		50,000	1
	10/5/2021 20:30	10/5/2021 20:30	0	0	7,243	0	6	Atlas		3,839	1
	10/15/2021 8:30	10/15/2021 8:30	0	0	1,311	0	3	Atlas		747	1
	12/31/2021 23:30	12/31/2021 23:30	0	2	319	0	3	Atlas		667	1
CSO202 Total										163,913	14
CSO203	7/11/2021 12:15	7/11/2021 12:15	0	1	10	0	3	Atlas		13	1
	8/26/2021 19:15	8/26/2021 19:30	15	2	63,540	0	3	Atlas		111,830	1
	8/27/2021 14:45	8/27/2021 14:45	0	0	46,412	0	3	Atlas		23,206	1
	10/3/2021 9:30	10/3/2021 10:00	30	1	47,939	0	3	Atlas		68,553	1
	10/5/2021 20:30	10/5/2021 20:30	0	0	1,023	0	3	Atlas		542	1
CSO203 Total										204,144	5
CSO205	7/11/2021 10:15	7/11/2021 12:15	120	1	299	0	3	Atlas		398	1
	7/6/2021 15:00	7/6/2021 15:00	0	0	47	0	3	Atlas	Retained by Sreads Branch	8	1
	7/10/2021 18:45	7/11/2021 3:45	540	0	557	0	3	Atlas	Retained by Sreads Branch	485	1
	7/16/2021 21:45	7/16/2021 21:45	0	0	20	0	3	Atlas	Retained by Sreads Branch	14	1
	8/17/2021 14:00	8/17/2021 14:00	0	0	195	0	3	Atlas	Retained by Sreads Branch	41	1
	8/30/2021 12:15	8/30/2021 12:15	0	0	2	0	3	Atlas		2	1
	9/20/2021 5:45	9/20/2021 5:45	0	2	3	0	3	Atlas	Retained by Sreads Branch	6	1
	10/3/2021 9:30	10/3/2021 10:15	45	1	950	0	3	Atlas		998	1
	10/5/2021 20:15	10/5/2021 20:15	0	0	121	0	3	Atlas	Retained by Sreads Branch	68	1
	12/11/2021 1:45	12/11/2021 1:45	0	1	8	0	3	Atlas	Retained by Sreads Branch	8	1
CSO205 Total										2,028	10
CSO208	8/27/2021 14:45	8/27/2021 14:45	0	1	1,502	0	3	Atlas		1,652	1
CSO208 Total										1,652	1
CSO210	7/11/2021 10:45	7/11/2021 19:00	495	2	235,067	0	3	Atlas		488,940	1
	7/10/2021 7:30	7/10/2021 7:45	15	0	49,274	0	6	Atlas		13,304	1

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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (INCH)	DISCHARGE PER RAIN	FREQUENCY (YR)	PERIOD (HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
	7/10/2021 18:15	7/11/2021 16:45	750	2	4,613,560	0	6	Atlas		7,243,289	1
	7/12/2021 8:45	7/12/2021 16:45	480	1	4,348,735	0	3	Atlas		5,870,792	1
	7/16/2021 20:45	7/17/2021 7:45	660	1	333,637	0	3	Atlas		477,101	1
	8/9/2021 9:45	8/9/2021 12:45	180	0	3,816	0	3	Atlas		1,717	1
	8/26/2021 20:30	8/26/2021 22:45	135	0	1,434,600	0	3	Atlas		14,346	1
	8/27/2021 15:15	8/27/2021 16:15	60	0	186,688					14,935	1
	8/30/2021 13:00	8/30/2021 21:15	495	0	300,617					189,389	1
	9/5/2021 5:00	9/5/2021 17:00	720	1	335,052					338,403	1
	9/19/2021 14:30	9/19/2021 19:00	270	2	80,621					178,173	1
	9/20/2021 4:30	9/20/2021 19:00	870	2	170,924					377,743	1
	9/21/2021 21:15	9/22/2021 19:45	1350	2	330,211					558,056	1
	10/3/2021 9:00	10/3/2021 19:00	600	0	334,819					324,774	1
	10/5/2021 20:15	10/6/2021 1:00	285	0	251,393					115,641	1
	10/25/2021 5:45	10/25/2021 9:00	195	0	100,873					48,419	1
	12/6/2021 7:45	12/6/2021 10:30	165	0	55,727					34,551	1
	12/11/2021 1:15	12/11/2021 8:00	405	1	160,146					188,972	1
	12/17/2021 18:15	12/17/2021 23:45	330	0	63,861					36,401	1
	12/29/2021 0:15	12/29/2021 2:45	150	0	44,187					30,047	1
CSO210 Total										16,544,993	20
CSO211	7/1/2021 11:30	7/1/2021 15:15	225	2	35,147,183					73,106,141	1
	7/10/2021 23:00	7/11/2021 0:45	105	2	5,205,396					8,172,472	1
	7/12/2021 9:45	7/12/2021 11:30	105	1	3,746,801					5,058,182	1
	8/26/2021 19:45	8/26/2021 21:15	90	0	431,852,500					4,318,525	1
	8/27/2021 14:45	8/27/2021 16:45	120	0	299,821,788					23,985,743	1
	8/30/2021 13:15	8/30/2021 15:00	105	0	13,509,232					8,510,816	1
	9/5/2021 9:15	9/5/2021 10:45	90	1	3,443,492					3,477,927	1
	9/20/2021 5:45	9/20/2021 11:15	330	2	23,525,440					51,991,222	1
	9/22/2021 15:00	9/22/2021 16:30	90	2	965,717					1,632,062	1
	10/3/2021 9:30	10/3/2021 11:00	90	0	42,568,044					41,291,003	1
CSO211 Total										221,544,093	10
Grand Total										3,628,124,133	931



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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 & 191	8	125	1095	18	481	8670	145	2784	77235	1287
016	8	0	285	5	4	1605	27	39	5625	94
018	0	0	0	0	15	1425	24	158	30045	501
019	8	14	435	7	14	435	7	193	15980	267
020	8	1	435	7	111	14535	242	355	26115	435
022	8	2	315	5	2	435	7	5	945	16
023	8	0	0	0	0	225	4	2	525	9
027	N/A ^a	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	270	5	5	6315	105
031	N/A ^a	0	0	0	0	0	0	0	0	0
034	8	0	180	3	0	195	3	3	7680	128
035	N/A ^a	0	0	0	0	0	0	0	0	0
036	8	0	165	3	0	270	5	0	480	8
038	N/A ^a	0	195	3	0	405	7	0	390	7
050	8	0	0	0	35	12555	209	20	7230	121
051	N/A - CSO to be eliminated ^a	N/A - CSO to be eliminated ^a			3	4095	68	0	1020	17
052	8	0	0	0	7	7590	127	2	2700	45
053	8	0	0	0	8	11205	187	8	11100	185
054	8	0	465	8	4	5850	98	2	8865	148
055	8	1	510	9	21	9630	161	5	2535	42
056	8	0	0	0	11	5550	93	4	2550	43
057	N/A ^a	0	0	0	0	0	0	0	0	0
058	8	0	0	0	8	855	14	51	21510	359
062	N/A ^a	1	255	4	136	14820	247	100	18525	309
082	0	0	0	0	36	12690	212	19	11925	199
083	N/A - CSO to be eliminated ^a	N/A - CSO to be eliminated ^a			0	360	6	0	345	6
084	0	0	0	0	19	5205	87	19	5205	87
086	N/A ^a	0	0	0	0	0	0	0	0	0
088	4	0	45	0	0	0	0	11	8685	145
091	8	0	0	0	0	0	0	3	9675	161



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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
092	N/A ⁴	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	330	6	18	12390	207
104	8	29	585	10	57	2445	41	9	2955	49
105								260	9450	158
106	N/A - CSO to be eliminated ⁴	N/A - CSO to be eliminated ⁴								
108	8	2	210	4	2	270	5	52	7410	124
109	N/A ⁴	2	705	12	2	1605	27	1	1695	28
110	8	0	240	4	0	255	4	20	9735	162
111	8	1	315	5	1	300	5	5	3675	61
113	8	0	0	0	0	0	0	6	2475	41
117	8	35	2415	40	35	2415	40	86	13320	222
118	0	0	0	0	125	10395	173	118	10350	173
119	0	1	1185	20	11	7830	131	10	7830	131
120	0	0	0	0	8	6885	115	7	6825	114
121	0	0	0	0	7	1950	33	6	1890	32
125	4	0	0	0	25	5415	90	24	5295	88
126	4	0	0	0	6	4395	73	3	3225	54
127	N/A - CSO to be eliminated ⁴	N/A - CSO to be eliminated ⁴								
130	8	0	0	0	0	0	0	2	0	0
131	4	0	75	1	0	165	3	2	135	2
132	4	0	0	0	0	0	0	83	0	0
137	N/A - CSO to be eliminated ⁴	N/A - CSO to be eliminated ⁴								
140	0	0	0	0	0	0	0	9	7950	133
141	0	0	0	0	0	0	0	3	3030	51
144	N/A ⁴	1	345	6	1	345	6	1	10215	170
146	8	1	315	5	1	345	6	38	225	4
148	8	0	0	0	0	0	0	1	5910	99
149	8	22	1920	32	24	2055	34	138	1650	28
150	8	0	0	0	4	7020	117	1	7590	127
151	8	0	90	2	0	180	3	98	1575	26
152	8	6	720	12	6	780	13	59	35145	586
									11715	195

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CSO	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			
	IOAP APPROVED LEVEL OF CONTROL	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	VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED
153	0	0	0	0	19	15615	260	19	15345	256	15345	256
154	4	0	0	0	0	0	0	23	15480	258	15480	258
155	8	0	0	0	1	2130	36	1	2130	36	2130	36
160	0	0	0	0	0	0	0	0	465	8	465	8
161	N/A ⁵	0	0	0	0	0	0	0	0	0	0	0
166	4	0	0	0	55	5820	97	52	5595	93	5595	93
167	4	0	0	0	0	0	0	0	1890	32	1890	32
172	N/A - CSO eliminated ⁴	N/A - CSO eliminated ⁴										
178	8	0	75	1	0	240	4	20	11250	188	11250	188
179	N/A ⁵	0	0	0	0	0	0	0	0	0	0	0
181	8	0	0	0	0	0	0	4	8835	147	8835	147
189	8	25	555	9	49	2055	34	240	11505	192	11505	192
190	8	1	210	4	0	120	2	30	7380	123	7380	123
193	8	0	180	3	0	240	4	0	315	5	315	5
195	8	0	0	0	0	0	0	3	10545	176	10545	176
196	8	0	0	0	0	0	0	0	495	8	495	8
197	8	0	165	3	0	270	5	3	8385	140	8385	140
198	N/A ⁵	0	150	3	0	255	4	0	510	9	510	9
199	8	0	150	3	0	315	5	1	7605	127	7605	127
200	8	0	0	0	0	0	0	2	12120	202	12120	202
201	N/A ⁵	0	240	4	0	510	9	1	1245	21	1245	21
202	8	0	150	3	0	330	6	0	1695	28	1695	28
203	N/A ⁵	0	0	0	0	0	0	0	0	0	0	0
206	N/A - CSO eliminated ⁴	N/A - CSO eliminated ⁴										
207	N/A ⁵	0	0	0	0	0	0	0	0	0	0	0
208	N/A ⁵	0	375	6	0	375	6	1	4890	82	4890	82
210	8	2	375	6	4	1470	25	19	5835	97	5835	97
211	8	34	690	12	131	1905	32	1090	18585	310	18585	310
SBR	N/A ⁵	5	645	11	8	765	13	46	27015	450	27015	450

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 MFC 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 revisions to RTC and programming. 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 for a set number of activations, cumulative volume of 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 65% capture, resulting in a total residual AAOV of 2,955 MG.



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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

2 Current 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. The model reflects projects certified through December 31, 2021. Partial construction of projects was not included.

3 Pre-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.

4 These CSOs have been or will be eliminated (i.e., closed & removed from permit) by 2020 via implementation of Long Term Control Plan projects

5 These 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 corrected with CMOM activities.



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
HITE CREEK	KY0022420	5504 TIMBER CREEK CT	7/11/2021 13:20	7/11/2021 16:30	33,750	Sewer Main	117932-AG	GROUND	HARRODS CREEK	FAILURE OF VALVE ON FORCE MAIN.	STRUCTURAL FAILURE	3398324	MSD STAFF SPREAD LIME ON IMPACTED AREA. CONTRACTOR TO CLEAN AREA FOLLOWING REPAIRS.	MSD CONTRACTOR WILL REPAIR LEAKING VALVE.
MORRIS FORMAN	KY0022411	8409 SA-BERDEE DR	8/30/2021 13:31	8/30/2021 16:17	7,150	Sewer Manhole	43472	DITCH	GOOSE CREEK	LACK OF SYSTEM CAPACITY.	LACK OF SYSTEM CAPACITY	3420822	CLEANUP NOT POSSIBLE DUE TO MAGNITUDE OF STORM.	DIS-CHARGE FOUND DURING RAIN EVENT RE-CON-WILL BE MON-ITORED AND EVALUAT-ED FOR REPAIR.
MORRIS FORMAN	KY0022411	1201 OLD CANNONS LN	9/20/2021 11:30	9/23/2021 2:15	1,200,000	Sewer Manhole	IS021A-SI	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3427477	NO CLEAN UP PERFORMED - PIPE DISCHARG-ING UNDERWAY-TER, DIRECTLY INTO STREAM.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	3402 CHARLANE PKY	9/20/2021 13:00	9/21/2021 8:11	34,530	Sewer Manhole	28453	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3428150	WO #3428130.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	3406 CHARLANE PKY	9/20/2021 14:25	9/21/2021 8:12	2,134	Sewer Manhole	28451	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3427498	WO #3428132.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	3620 CHARLANE PKY	9/20/2021 14:35	9/23/2021 9:20	46,550	Sewer Manhole	28340	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3427499	WO#3428141.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	1011 ALTA CIR	9/22/2021 16:00	9/23/2021 8:00	48,000	Sewer Manhole	45796	DITCH	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY.	LACK OF SYSTEM CAPACITY	3427989	NO ACCESS. MAN-HOLE LOCATED IN THE CENTER OF THE CREEK.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	3506 CHARLANE PKY	9/22/2021 17:29	9/23/2021 9:17	946	Sewer Manhole	28250	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY.	LACK OF SYSTEM CAPACITY	3427984	WO#3428133.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	3500 ST EDWARDS DR	9/22/2021 17:36	9/23/2021 9:17	4,705	Sewer Manhole	28249	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY.	LACK OF SYSTEM CAPACITY	3427983	WO#3428143.	LOCATION INCLUDED IN IOAP.
DEREK R. GUTHRIE	KY0078956	9114 CIN-DERELLA LN	9/22/2021 17:47	9/23/2021 23:15	13,120	Sewer Manhole	102339	GROUND	FISHPOOL CREEK	LACK OF SYSTEM CAPACITY.	LACK OF SYSTEM CAPACITY	3427980	MAGNITUDE OF STORM RESULTED IN NO DEBRIS REMAINING.	SITE FOUND DURING RAIN EVENT RE-CON - WILL BE MON-ITORED AND EVALUAT-ED FOR REPAIR.
MORRIS FORMAN	KY0022411	3620 CHARLANE PKY	9/22/2021 17:51	9/23/2021 9:22	69,825	Sewer Manhole	28336	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY.	LACK OF SYSTEM CAPACITY	3427985	WO#3428145.	LOCATION INCLUDED IN IOAP.



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WQIC NAME	WQIC 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	3317 DELL RD	9/22/2021 18:06	9/23/2021 9:27	919	Sewer Manhole	28413	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY.	LACK OF SYSTEM CAPACITY	3427986	WO#3428134.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	3322 DELL RD	9/22/2021 18:11	9/23/2021 9:27	1,832	Sewer Manhole	28414	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY.	LACK OF SYSTEM CAPACITY	3427987	WO #3428135.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	3406 DELL RD	9/22/2021 18:19	9/23/2021 9:29	1,820	Sewer Manhole	28415	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY.	LACK OF SYSTEM CAPACITY	3427988	WO #3428136.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	3402 CHARLANE PKY	12/6/2021 10:00	12/6/2021 16:00	27,000	Sewer Manhole	28453	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY.	LACK OF SYSTEM CAPACITY	3450769	WO #3450932.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	4522 AL-GONQUIN PKY	12/8/2021 8:52	12/7/2021 16:52	326	Sewer Treatment Plant	MSD00278	STREAM	OHIO RIVER	12.5% SODIUM HYPOCHLORITE LEAK DUE TO VALVE ERROR	MECHANICAL FAILURE	3451053	NO DEBRIS	VALVE WAS REPAIRED
MORRIS FORMAN	KY0022411	3322 DELL RD	12/11/2021 8:17	12/11/2021 10:51	308	Sewer Manhole	28414	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3451453	WO #3451455.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	3406 DELL RD	12/11/2021 8:20	12/11/2021 11:07	334	Sewer Manhole	28415	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3451524	WO #3451532.	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	3402 CHARLANE PKY	12/11/2021 8:25	12/11/2021 15:43	54,750	Sewer Manhole	28453	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3451452	WO#3451540	LOCATION INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	3406 CHARLANE PKY	12/11/2021 10:37	12/11/2021 12:45	256	Sewer Manhole	28451	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3451526	WO #3451539.	LOCATION INCLUDED IN IOAP.



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	1500 S SHELBY ST	8/12/2021 12:15	8/12/2021 22:15	59,658	Sewer Manhole	CSO182		SOUTH FORK BEARGRASS CREEK	UNDER INVESTIGATION	UTILITY DAMAGED MSD ASSET	3439645	NONE NECESSARY DUE TO DATE OF DISCHARGE.	MSD IS MONITORING AREA TO LOCATE ISSUE.
MORRIS FORMAN	KY0022411	376 CRESCENT SPRING DR	10/1/2021 14:45	10/1/2021 15:25	325,000	Sewer Manhole	CSO125	STREAM	MIDDLE FORK BEARGRASS CREEK	DISCHARGED WATER INCLUDES RESIDUAL WASTE STREAM FROM MUNICIPAL DRINKING WATER TREATMENT.	UTILITY DAMAGED MSD ASSET	3430480	MSD CREWS WILL CLEAN AND SANITIZE IMPACTED AREAS.	LWC WORKING TO REPAIR LINE.

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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
FLOYDS FORK	KY0102784	1302 HELM PLACE LN	9/13/2021 11:59	9/13/2021 13:16	7,800	Sewer Manhole	112064	DITCH	POPE LICK	GREASE WIPES, RAGS, AND BROKEN PIECES OF MANHOLE LID.	OBSTRUCTION- NOT GREASE / ROOTS	3424288	MSD CREW WILL CLEAN AREA.	FLUSHED MAIN SEWERS AND MANHOLES SEVERAL TIMES. SIGNIFICANT GREASE BUILD-UP IN MH# 112065.
DEREK R. GUTHRIE	KY0078856	7318 REGIMENT RD	10/10/2021 19:00	10/10/2021 21:30	30,000	Sewer Main	106733-V	GROUND	PENNSYLVANIA RUN	STRUCTURAL FAILURE (FORCE MAIN BREAK).	STRUCTURAL FAILURE	3431596	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.	HAULED SEWAGE UNTIL REPAIRS MADE. TRC REPAIRED FORCE MAIN.
FLOYDS FORK	KY0102784	611 WOODLAKE DR	10/21/2021 13:35	10/21/2021 14:44	207	Sewer Main	80581A-AG	GROUND	CHENOWETH RUN	STRUCTURAL FAILURE (FORCE MAIN BREAK).	STRUCTURAL FAILURE	3439668	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.	SHUT OFF PUMP AND ISOLATED FORCE MAIN. CONTRACTOR TO MAKE REPAIRS.

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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
DEREK R. GUTHRIE	KY0078956	11621 LOWER RIVER RD	7/11/2021 7:55	7/20/2021 10:02	500000	MSD0277	STREAM	OHIO RIVER	PLANT NOT SET UP TO HANDLE RAIN EVENT.	WET WEATHER	3398293	LIME TO BE SPREAD ON GROUND AFTER RAIN STOPS.	4 CLARIFIERS AND 1 CONTACT CHANNEL ADDED TO SERVICE.
MORRIS FORMAN	KY0022411	4522 ALGONQUIN PKY	11/16/2021 8:20	11/16/2021 8:35	801500	MSD0278	STREAM	OHIO RIVER	DECHLORINATION NOT IN SERVICE. VALVED OUT.	DRY WEATHER	3444619	NONE NEEDED.	VALVED SODIUM BISULFITE BACK IN AND RESTORED FLOW OF DECHLORINATION.
MORRIS FORMAN	KY0022411	4522 ALGONQUIN PKY	12/8/2021 9:44	12/7/2021 18:58	12500000	MSD0278	STREAM	OHIO RIVER	SODIUM HYPOCHLORITE LEAK CAUSED OPS TO STOP DOSIM HYPO IN ORDER TO ISOLATE LEAK-RESULTING IN 12,500,000.00 GALLONS OF NONDISINFECTED WATER DISCHARGED.	WET WEATHER	3451064	NO DEBRIS OBSERVED.	STOPPED LEAK AND VALVED HYPOCHLORITE BACK IN.

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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	MSD0306-FP	L_OR_MF_190_S_03_A_A
27TH STREET FPS DWO ELIM	LTCP	MSD0307-FP	L_OR_MF_019_S_03_A_A
34TH ST FPS DWO ELIMINATION	LTCP	MSD0308-FP	L_OR_MF_019_S_03_A_B
4TH STREET FPS DWO ELIMINATION	LTCP	CS0022	L_OR_MF_022_M_03_A_A
4TH STREET FPS DWO ELIMINATION	LTCP	MSD0303-FP	L_OR_MF_022_M_03_A_A
ADAMS STREET SEWER SEPARATION (FORMERLY STORAGE BASIN)	LTCP	CS0172	L_OR_MF_172_S_09B_B_A_0
ANCHOR ESTATES PS ELIMINATIONS 1 - VANNAH PUMP STATION ELIMINATION	SSDP	01106	S_ML_MF_NB06_M_01_A_A-2
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP	00056-W	S_ML_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP	0057-W	S_ML_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP	00746	S_ML_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP	00817	S_ML_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP	MSD0056-LS	S_ML_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP	MSD0057-LS	S_ML_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP	MSD0166-PS	S_FF_FF_NB03_M_01_C_A
ASHBURTON PS IMPROVEMENTS & DIVERSION	SSDP	MSD0166-PS	S_FF_FF_NB03_M_01_C_A
AVANTI PS ELIMINATION	SSDP	21229	S_PO_WC_PC07_M_01_A
BARDESTOWN RD PS IMPROVEMENTS	SSDP	88545	S_CC_CC_MSD1025_S_03_B
BEARGRASS INTERCEPTOR REHABILITATION PH 2	SSDP	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	CS0015	L_OR_MF_015_M_13_B_B_8
BELLS LANE (FORMERLY PADDY'S RUN) WET WEATHER TREATMENT FACILITY	LTCP	CS0181	L_OR_MF_015_M_13_B_B_8
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	08717	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	104223	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	104224	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	104231	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	13931	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	13943	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	13946	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	34093542	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	36763	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	44396	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	44397	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	51301	S_SF_MF_30917_M_09_A



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PROJECT NAME	PROGRAM	ASSET ID	PROJECT ID
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	66349	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	99259	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	KK14815019	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP	KK14855239	S_SF_MF_30917_M_09_A
CAVEN AVENUE PS ELIMINATION	SSDP	17724	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP	27116	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP	61667	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP	61667	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP	70212	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP	MSD0133-PS	S_PO_WC_PC09_M_09B_C
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO028	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO029	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO034	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO036	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO178	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO181	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO183	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO185	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO186	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO197	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO199	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO200X	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO202	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP	CSO202	L_OR_MF_155_M_09B_B_B_4-1
CHARLESWOOD INTERCEPTOR EXTENSION	SSDP	25477	S_PO_WC_PC03_M_01_C
CHARLESWOOD INTERCEPTOR EXTENSION	SSDP	25479	S_PO_WC_PC03_M_01_C
CHARLESWOOD INTERCEPTOR EXTENSION	SSDP	25480	S_PO_WC_PC03_M_01_C
CHARLESWOOD INTERCEPTOR EXTENSION	SSDP	MSD0130-PS	S_PO_WC_PC03_M_01_C
CINDERELLA PS ELIMINATION	SSDP	102339	S_PO_WC_PC04_M_01_C
CINDERELLA PS ELIMINATION	SSDP	35309	S_PO_WC_PC04_M_01_C
CINDERELLA PS ELIMINATION	SSDP	60679	S_PO_WC_PC04_M_01_C
CINDERELLA PS ELIMINATION	SSDP	MSD1013-PS	S_PO_WC_PC04_M_01_C
CLIFTON HEIGHTS STORAGE BASIN	LTCP	CSO083	L_MU_MF_154_M_09B_B_A_8
CLIFTON HEIGHTS STORAGE BASIN	LTCP	CSO088	L_MU_MF_154_M_09B_B_A_8
CLIFTON HEIGHTS STORAGE BASIN	LTCP	CSO131	L_MU_MF_154_M_09B_B_A_8
CLIFTON HEIGHTS STORAGE BASIN	LTCP	CSO132	L_MU_MF_154_M_09B_B_A_8
CLIFTON HEIGHTS STORAGE BASIN	LTCP	CSO154	L_MU_MF_154_M_09B_B_A_8
CLIFTON HEIGHTS STORAGE BASIN	LTCP	CSO167	L_MU_MF_154_M_09B_B_A_8
CSO058 IN-LINE STORAGE & GREEN INFRASTRUCTURE	LTCP	CSO058	L_OR_MF_058_S_08_A_A_0

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CSO083 STRUCTURAL MODIFICATIONS & GREEN INFRASTRUCTURE	LTCP	CSO083	L_SO_MF_083_S_08_A_A_0
CSO108 DAM MODIFICATION	LTCP	CSO108	L_SO_MF_108_S_09A_B_A_4
CSO140 IN-LINE STORAGE & GREEN INFRASTRUCTURE	LTCP	CSO140	L_MI_MF_140_S_08_A_A_0
CSO160 SEWER SEPARATION	LTCP	CSO160	L_OR_MF_160_S_08_A_A_0
CSO190 GREEN INFRASTRUCTURE (FORMERLY 18TH & NORTHWESTERN PKWY STORAGE BASIN)	LTCP	CSO190	L_OR_MF_190_S_09B_B_A_8
CSO206 SEWER SEPARATION	LTCP	CSO206	L_MI_MF_206_S_08_A_A_0
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	104289	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28249	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28250	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28336	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28340	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28413	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28414	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28415	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28416	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28417	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28451	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28452	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28453	S_JT_JT_NB02_M_01_C
DELL RD/CHARLANE PKWY INTERCEPTOR IMPROVEMENTS	SSDP	28711	S_JT_JT_NB02_M_01_C
DEREK R GUTHRIE WQTC UPGRADES	ISSDP	1256312700A	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	ISSDP	22307	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	ISSDP	22370	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	ISSDP	22385	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	ISSDP	32682	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	ISSDP	32688	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	ISSDP	59169	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	ISSDP	MSD0277	DEREK R GUTHRIE WQTC UPGRADES
DERINGTON CT PS I&I INVESTIGATION & REHABILITATION	SSDP	20154-W	S_OR_MF_NB03_S_07_C
DERINGTON CT PS I&I INVESTIGATION & REHABILITATION	SSDP	20155	S_OR_MF_NB03_S_07_C
DERINGTON CT PS I&I INVESTIGATION & REHABILITATION	SSDP	MSD0095-PS	S_OR_MF_NB03_S_07_C
EAST ROCKFORD PS RELOCATION	SSDP	04699-W	S_MC_IWC_NB02_S_03_C
EDEL CARE PS SSO INVESTIGATION	SSDP	MSD1105-PS	S_FF_FF_NB02_S_13_C
EDEL PS I&I INVESTIGATION & REHABILITATION	SSDP	92098	S_PO_WC_PC11_M_07_C
EDEL PS I&I INVESTIGATION & REHABILITATION	SSDP	92099	S_PO_WC_PC11_M_07_C
EDEL PS I&I INVESTIGATION & REHABILITATION	SSDP	94009	S_PO_WC_PC11_M_07_C
EDEL PS I&I INVESTIGATION & REHABILITATION	SSDP	MSD1048-PS	S_PO_WC_PC11_M_07_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP	64096	S_JT_JT_NB01A_M_03_C



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ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP	86052	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP	92061	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP	MSD0198-PS	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP	MSD0263	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP	MSD0263A-PS	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP	MSD1043-PS	S_JT_JT_NB01A_M_03_C
FAIRMOUNT RD PS IMPROVEMENTS	SSDP	116106	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSDP	81316	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSDP	97362	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSDP	97363	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSDP	97365	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSDP	MSD1066-PS	S_HC_HS_NB01_S_03_C_A
FLOYDSBURG RD I&I INVEST	SSDP	108953	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP	108956	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP	108957	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP	108958	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP	90776	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP	MSD1086-PS	S_HC_HC_MSD1086_M_07_C_A
FOX HARBOR IN-LINE STORAGE	SSDP	62769	S_HC_HN_NB03_S_09A_A_A
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP	105936	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP	117721	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP	43472	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP	46891	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP	62418	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP	62420	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP	91629	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP	91630	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP	MSD0040-PS	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP	MSD1024-PS	S_MI_MF_NB04_M_03_B-1
GOVERNMENT CENTER PS ELIMINATION	SSDP	94541	S_PO_WC_FC06_M_01_C
GOVERNMENT CENTER PS ELIMINATION	SSDP	94542	S_PO_WC_FC06_M_01_C
GOVERNMENT CENTER PS ELIMINATION	SSDP	MSD0180-PS	S_PO_WC_FC06_M_01_C
GUNPOWDER PS IN-LINE STORAGE	SSDP	MSD1055-LS	S_HC_HN_NB02_S_09A_C_B
HAZELWOOD PS I&I INVESTIGATION & REHABILITATION	SSDP	55665	S_MC_MF_55665_S_07_C
HAZELWOOD PS I&I INVESTIGATION & REHABILITATION	SSDP	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

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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 III INVESTIGATION & REHABILITATION	SSDP	01793	S_ML_MF_NB07_S_07_C
HURSTBOURNE III INVESTIGATION & REHABILITATION	SSDP	47650	S_ML_MF_NB07_S_07_C
HURSTBOURNE III INVESTIGATION & REHABILITATION	SSDP	47656	S_ML_MF_NB07_S_07_C
HURSTBOURNE III INVESTIGATION & REHABILITATION	SSDP	67635	S_ML_MF_NB07_S_07_C
IDLEWOOD IN-LINE STORAGE	SSDP	28984	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP	28985	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP	28998	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP	63094	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP	63095	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP	70158	S_CC_CC_70158_M_09A_C
JEFFERSONTOWN WQTC ELIMINATION	SSDP	28173	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP	28390	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP	28391	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP	28392	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP	28395	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP	28551	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP	31733	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP	64605	S_JT_JT_NB01_M_01_C_A



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JEFFERSONTOWN WQTC ELIMINATION	SSDP	IS028-SI	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP	MSD0235	S_JT_JT_NB01_M_01_C_A
KAVANAUGH RD PS IMPROVEMENTS	SSDP	MSD1086-PS	S_HC_HC_MSD1085_S_08_A
KLONDIKE INTERCEPTOR	SSDP	20644	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP	25676	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP	26650	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP	26651	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP	49513	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP	66232	S_SD_MF_NB04_S_01_B_A
LAKE FOREST PS SSO INVESTIGATION	SSDP	MSD1169-LS	S_FF_FF_NB01_S_13_C_A
LANTANA #1 PS /I INVESTIGATION & REHABILITATION	SSDP	25484	S_PO_WC_PC05_M_07_C
LANTANA #1 PS /I INVESTIGATION & REHABILITATION	SSDP	93719	S_PO_WC_PC05_M_07_C
LANTANA #1 PS /I INVESTIGATION & REHABILITATION	SSDP	MSD0101-PS	S_PO_WC_PC05_M_07_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	19360	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	19369	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	29833	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	29843	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	29848	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	29849	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	31073	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	31074	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	31083	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	31084	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	57874	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	61266	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	79076	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	MSD1010-PS	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP	MSD1200-PS	S_PO_WC_PC08_M_01_C
LELAND RD SSO INVESTIGATION	SSDP	96020	S_OR_MF_NB02_S_13_C
LEVEN PS ELIMINATION	SSDP	36419	S_PO_WC_PC10_M_01_C
LEVEN PS ELIMINATION	SSDP	MSD1019-PS	S_PO_WC_PC10_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP	67997	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP	67999	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP	86423	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP	86424	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP	89196	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP	89197	S_CC_CC_67997_M_01_C
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP	CSC0091	L_SO_MF_092_M_09B_B_D_8

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LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP	CS0097	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP	CS0106	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP	CS0110	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP	CS0111	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP	CS0113	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP	CS0137	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP	CS0146	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP	CS0148	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP	CS0149	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP	CS0151	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP	CS0152	L_SO_MF_092_M_09B_B_D_8
LUCAS LANE PS IN-LINE STORAGE	SSDP	MSD0199-LS	S_FF_BT_NB01_S_09A_C_A
MEADOW STREAM PS & FM UPGRADE	SSDP	91087	S_HC_HC_MSD1082_S_09A_C
MEADOW STREAM PS & FM UPGRADE	SSDP	MSD1082-PS	S_HC_HC_MSD1082_S_09A_C
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	24152-W	S_OR_MF_NB01_M_01_B-1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	24472	S_OR_MF_NB01_M_01_B-1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	26752	S_OR_MF_NB01_M_01_B-1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	41374	S_OR_MF_NB01_M_01_B-1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	41416	S_OR_MF_NB01_M_01_B-1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	MSD0006-PS	S_OR_MF_NB01_M_01_B-1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	MSD0007-PS	S_OR_MF_NB01_M_01_B-1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	MSD0010-PS	S_OR_MF_NB01_M_01_B-1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	MSD0023-PS	S_OR_MF_NB01_M_01_B-1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	MSD0024-PS	S_OR_MF_NB01_M_01_B-1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	02932	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	02933	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	02935	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	08537	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	08935-SM	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	115183	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	115184	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	115185	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	15194	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	15195	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	17618	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	23211	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	23212	S_MISE_MF_NB01_M_01_C_A1
MELLOWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLOWOOD PS AND FM IMPROVEMENTS	SSDP	24553	S_MISE_MF_NB01_M_01_C_A1

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PROJECT NAME	PROGRAM	ASSET ID	PROJECT ID
MONTICELLO PS ELIMINATION	SSDP	27969	S_JT_JT_NB04_M_01_A
MONTICELLO PS ELIMINATION	SSDP	MSD0151-PS	S_JT_JT_NB04_M_01_A
MORRIS FORMAN WQTC HEADWORKS (FORMERLY ALGONQUIN PKWY STORAGE BASIN)	LTCP	CS0211	L_OR_MF_211_M_13_B_A_8
NIGHTINGALE PS REPLACEMENT & STORAGE	LTCP	CS0018	L_SO_MF_018_S_03_A_A
NORTHERN DITCH DIVERSION INTERCEPTOR	ISSDP	MSD0271	NORTHERN DITCH DIVERSION INTER
PARKVIEW ESTATES I&I INVESTIGATION	SSDP	47250	S_SD_MF_NB03_S_07_C
PORTLAND CSO STORAGE BASIN	LTCP	CS0019	L_OR_MF_019_S_13_B_A_8
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	16455	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	22436	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	40870	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	40871	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	40872	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	40879	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	40880	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	42675	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	42680	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	46621	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	46623	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	46627	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	65606	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	65610	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	65623	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	65633	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	65635	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	89646	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	89791	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	MSD0123-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	MSD0183-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	MSD0186-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	MSD0192-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	MSD0193-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	MSD0291	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	MSD0292	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	MSD1044-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP	MSD1063-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 3 - ORFM SYSTEM IMPROVEMENTS	SSDP	117963	S_OR_MF_NB04_M_03_B_B-3
PROSPECT SYSTEM IMPROVEMENTS 3 - ORFM SYSTEM IMPROVEMENTS	SSDP	117969	S_OR_MF_NB04_M_03_B_B-3
PROSPECT SYSTEM IMPROVEMENTS 3 - ORFM SYSTEM IMPROVEMENTS	SSDP	89641	S_OR_MF_NB04_M_03_B_B-3



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PROJECT NAME	PROGRAM	ASSET ID	PROJECT ID
PROSPECT SYSTEM IMPROVEMENTS 3 - ORFM SYSTEM IMPROVEMENTS	SSDP	89790	S_OR_MF_NB04_M_03_B_B_3
RAINTREE DRIVE AND MARIAN COURT SYSTEM IMPROVEMENTS PHASE 1 - PUMP STATION ELIMINATION	SSDP	28729	S_JT_JT_NB03_M_01_C-1
RAINTREE DRIVE AND MARIAN COURT SYSTEM IMPROVEMENTS PHASE 1 - PUMP STATION ELIMINATION	SSDP	MSD0149-PS	S_JT_JT_NB03_M_01_C-1
RIDING RIDGE PS IMPROVEMENTS	SSDP	MSD1060-LS	S_HC_HN_NB01_S_03_C_A
RUNNING FOX PS ELIMINATION	SSDP	MSD1080-LS	S_CC_CC_MSD1080_S_01_C
SHAWNEE FPS DWO ELIMINATION	LTCP	MSD0309-FP	L_OR_MF_189_M_03_A_A
SHIVELY INTERCEPTOR	SSDP	04498	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP	04542	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP	81814-W	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP	MSD0016-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP	MSD0043-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP	MSD0044-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP	MSD0047-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP	MSD0049-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP	MSD0050-PS	S_MC_WC_NB01_M_01_A
SINKING FORK INTERCEPTOR	SSDP	21103	SINKING FORK RELIEF SEWER
SINKING FORK INTERCEPTOR	SSDP	25012	SINKING FORK RELIEF SEWER
SINKING FORK INTERCEPTOR	SSDP	63319	SINKING FORK RELIEF SEWER
SONNE PS 1&I INVESTIGATION & REHABILITATION	SSDP	MSD0042-PS	S_OR_MF_42007_S_07_C
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	08426	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	08427	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	08429	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	08430	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	08431	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	18654	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	30680	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	30681	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	30701	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	30702	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	30704	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	49647	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	63779	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	SSDP	72971-X	SOUTHEASTERN DIVERSION STRUCT
SOUTHERN OUTFALL IN-LINE STORAGE AT 43RD STREET (SOR1) (FORMERLY ALGONQUIN PKWY STORAGE BASIN)	LTCP	CS0016	L_OR_MF_211_M_13_B_A_8_
SOUTHERN OUTFALL IN-LINE STORAGE AT 43RD STREET (SOR1) (FORMERLY ALGONQUIN PKWY STORAGE BASIN)	LTCP	CS0210	L_OR_MF_211_M_13_B_A_8_
SOUTHWESTERN PKWY CSO BASIN	LTCP	CS0104	L_OR_MF_105_M_13_B_A_0
SOUTHWESTERN PKWY CSO BASIN	LTCP	CS0105	L_OR_MF_105_M_13_B_A_0
SOUTHWESTERN PKWY CSO BASIN	LTCP	CS0189X	L_OR_MF_105_M_13_B_A_0

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PROJECT NAME	PROGRAM	ASSET ID	PROJECT ID
ST RENE RD PS IN-LINE STORAGE	SSDP	94187	S_FF_CH_NB01_S_09A_C_A
SUTHERLAND INTERCEPTOR	SSDP	16649	S_SD_MF_NB05_M_01_A
WATERWAY PROTECTION TUNNEL (FORMERLY 13TH ST/ROWAN ST STORAGE BASIN)	LTCP	CS0023	L_OR_MF_155_M_09B_B_B_4
WATERWAY PROTECTION TUNNEL (FORMERLY 13TH ST/ROWAN ST STORAGE BASIN)	LTCP	CS0050	L_OR_MF_155_M_09B_B_B_4
WATERWAY PROTECTION TUNNEL (FORMERLY 13TH ST/ROWAN ST STORAGE BASIN)	LTCP	CS0051	L_OR_MF_155_M_09B_B_B_4
WATERWAY PROTECTION TUNNEL (FORMERLY 13TH ST/ROWAN ST STORAGE BASIN)	LTCP	CS0052	L_OR_MF_155_M_09B_B_B_4
WATERWAY PROTECTION TUNNEL (FORMERLY 13TH ST/ROWAN ST STORAGE BASIN)	LTCP	CS0053	L_OR_MF_155_M_09B_B_B_4
WATERWAY PROTECTION TUNNEL (FORMERLY 13TH ST/ROWAN ST STORAGE BASIN)	LTCP	CS0054	L_OR_MF_155_M_09B_B_B_4
WATERWAY PROTECTION TUNNEL (FORMERLY 13TH ST/ROWAN ST STORAGE BASIN)	LTCP	CS0055	L_OR_MF_155_M_09B_B_B_4
WATERWAY PROTECTION TUNNEL (FORMERLY 13TH ST/ROWAN ST STORAGE BASIN)	LTCP	CS0056	L_OR_MF_155_M_09B_B_B_4
WATERWAY PROTECTION TUNNEL (FORMERLY 13TH ST/ROWAN ST STORAGE BASIN)	LTCP	CS0150	L_OR_MF_155_M_09B_B_B_4
WATERWAY PROTECTION TUNNEL (FORMERLY 13TH ST/ROWAN ST STORAGE BASIN)	LTCP	CS0155	L_OR_MF_155_M_09B_B_B_4
WATERWAY PROTECTION TUNNEL (FORMERLY I-64 & GRINSTEAD DRIVE CSO BASIN)	LTCP	CS0125	L_MI_MF_127_M_09B_B_A_8
WATERWAY PROTECTION TUNNEL (FORMERLY I-64 & GRINSTEAD DRIVE CSO BASIN)	LTCP	CS0126	L_MI_MF_127_M_09B_B_A_8
WATERWAY PROTECTION TUNNEL (FORMERLY I-64 & GRINSTEAD DRIVE CSO BASIN)	LTCP	CS0127	L_MI_MF_127_M_09B_B_A_8
WATERWAY PROTECTION TUNNEL (FORMERLY I-64 & GRINSTEAD DRIVE CSO BASIN)	LTCP	CS0166	L_MI_MF_127_M_09B_B_A_8
WATERWAY PROTECTION TUNNEL (FORMERLY LEXINGTON RD & PAYNE ST STORAGE BASIN)	LTCP	CS0082	L_SO_MF_083_M_09B_B_A_8
WATERWAY PROTECTION TUNNEL (FORMERLY LEXINGTON RD & PAYNE ST STORAGE BASIN)	LTCP	CS0084	L_SO_MF_083_M_09B_B_A_8
WATERWAY PROTECTION TUNNEL (FORMERLY LEXINGTON RD & PAYNE ST STORAGE BASIN)	LTCP	CS0118	L_SO_MF_083_M_09B_B_A_8
WATERWAY PROTECTION TUNNEL (FORMERLY LEXINGTON RD & PAYNE ST STORAGE BASIN)	LTCP	CS0119	L_SO_MF_083_M_09B_B_A_8
WATERWAY PROTECTION TUNNEL (FORMERLY LEXINGTON RD & PAYNE ST STORAGE BASIN)	LTCP	CS0120	L_SO_MF_083_M_09B_B_A_8
WATERWAY PROTECTION TUNNEL (FORMERLY LEXINGTON RD & PAYNE ST STORAGE BASIN)	LTCP	CS0121	L_SO_MF_083_M_09B_B_A_8
WATERWAY PROTECTION TUNNEL (FORMERLY LEXINGTON RD & PAYNE ST STORAGE BASIN)	LTCP	CS0141	L_SO_MF_083_M_09B_B_A_8
WATERWAY PROTECTION TUNNEL (FORMERLY LEXINGTON RD & PAYNE ST STORAGE BASIN)	LTCP	CS0153	L_SO_MF_083_M_09B_B_A_8
WATERWAY PROTECTION TUNNEL (FORMERLY LEXINGTON RD & PAYNE ST STORAGE BASIN)	LTCP	CS0020	L_OR_MF_020_S_09B_B_A_8
WOODLAND HILLS PS DIVERSION	SSDP	33003	S_FF_FF_NB01_S_01_C_A
WOODLAND HILLS PS DIVERSION	SSDP	65516	S_FF_FF_NB01_S_01_C_A
WOODLAND HILLS PS DIVERSION	SSDP	65531	S_FF_FF_NB01_S_01_C_A

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APPENDIX H

**WET WEATHER STORAGE AND DIVERSION TO
TREATMENT VIA RTC**

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EVENT NUMBER	START DATE	END DATE	DURATION (HH:MM)	AVG TRFD (IN)	MAX TRFD (IN)	MAX RAIN GAUGE	TOTAL (MG)	HIGH RIVER LEVELS	DESCRIPTION
2021-048	6/29/2021 18:15	7/4/2021 4:15	106:00	2	3	TR11	187	No	Very large wet weather event heterogeneously distributed across the collection system. SOBA basin was in degraded operating mode which prevent its dewatering during the event.
2021-049	7/6/2021 15:05	7/7/2021 0:45	9:40	0	0	TR13	5	No	Small wet weather event heterogeneously distributed across the collection system.
2021-050	7/7/2021 15:00	7/8/2021 2:25	11:25	0	0	TR04	6	No	Small wet weather event heterogeneously distributed across the collection system.
2021-051	7/8/2021 19:15	7/9/2021 10:25	15:10	0	0	TR05	8	No	Small wet weather event heterogeneously distributed across the collection system. SOBA was under manual operation and its dewatering phase coincided with an increased overflow rate at CSO-016.
2021-052	7/10/2021 8:35	7/14/2021 6:25	93:50	2	4	TR04	178	No	Very large back-to-back wet weather event heterogeneously distributed across the collection system. SOBA was under manual operation and the 2nd dewatering phase coincided with an increased overflow rate at CSO-016.
2021-053	7/16/2021 12:40	7/20/2021 17:55	101:15	0	1	TR14	100	No	Large wet weather event heterogeneously distributed across the collection system. SOBA was under manual operation and each dewatering phases coincided with an increased overflow rate at CSO-016.
2021-056	8/9/2021 10:20	8/9/2021 21:45	11:25	0	0	TR11	57	No	Moderate wet weather event heterogeneously distributed across the collection system. SOBA was under manual operation and its dewatering phase coincided with an increased overflow rate at CSO-016.
2021-061	8/17/2021 13:35	8/18/2021 9:25	19:50	0	0	TR12	9	No	Very small wet weather event heterogeneously distributed across the collection system.
2021-062	8/18/2021 22:30	8/19/2021 15:30	17:00	0	0	TR13	3	No	Small wet weather event heterogeneously distributed across the collection system.
2021-064	8/26/2021 19:50	8/27/2021 14:50	19:00	0	0	TR05	25	No	Small wet weather event heterogeneously distributed across the collection system.
2021-065	8/27/2021 14:50	8/30/2021 12:05	69:15	0	0	TR12	51	No	Small wet weather event heterogeneously distributed across the collection system.
2021-066	8/30/2021 12:05	8/31/2021 13:15	25:10	1	2	TR13	85	No	Large wet weather event homogeneously distributed across the collection system. SOBA was under manual operation and its dewatering phase coincided with an increased overflow rate at CSO-016.
2021-067	8/31/2021 13:15	9/2/2021 10:10	44:55	0	0	TR15	34	No	Moderate wet weather event heterogeneously distributed across the collection system.
2021-068	9/5/2021 3:00	9/7/2021 12:35	57:35	0	1	TR14	132	No	Large wet weather event homogeneously distributed across the collection system. SOBA was under manual operation and its dewatering phase coincided with an increased overflow rate at CSO-016.
2021-071	9/19/2021 15:00	9/21/2021 21:40	54:40	2	2	TR04	218	No	Very Large wet weather event homogeneously distributed across the collection system. SOBA was under manual operation.
2021-072	9/21/2021 21:40	9/24/2021 1:50	52:10	1	2	TR04	255	No	Very Large wet weather event heterogeneously distributed across the collection system. SOBA was under manual operation.
2021-074	10/3/2021 5:40	10/4/2021 20:30	38:50	1	1	TR05	104	No	Large wet weather event heterogeneously distributed across the collection system. SOBA was under manual operation and its dewatering phase coincided with an increased overflow rate at CSO-016.



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EVENT NUMBER	START DATE	END DATE	DURATION (H:MIN)	AVG TRFD (IN)	MAX TRFD (IN)	MAX RAIN GAUGE	TOTAL (MG)	HIGH RIVER LEVELS	DESCRIPTION
2021-075	10/5/2021 20:20	10/7/2021 18:05	45:45	0	1	TR14	73	No	Large wet weather event heterogeneously distributed across the collection system. SOBA was under manual operation, and POBA was under degraded operating mode for about 75% of the event.
2021-078	10/15/2021 8:50	10/16/2021 10:25	25:35	0	0	TR13	19	No	Moderate wet weather event heterogeneously distributed across the collection system. SOBA was under manual operation.
2021-079	10/23/2021 19:05	10/24/2021 17:15	22:10	0	0	TR05	3	No	Small wet weather event homogeneously distributed across the collection system. SOBA was under manual operation.
2021-080	10/25/2021 4:40	10/25/2021 19:55	15:15	0	0	TR04	48	No	Moderate wet weather event homogeneously distributed across the collection system. SOBA was under manual operation, it did not fill and CSO-016 was activated.
2021-082	10/29/2021 19:10	10/30/2021 17:20	22:10	0	0	TR15	22	No	Moderate wet weather event heterogeneously distributed across the collection system. SOBA was under manual operation.
2021-083	11/17/2021 10:55	11/11/2021 22:15	11:20	0	0	TR15	10	No	Moderate wet weather event homogeneously distributed across the collection system. SOBA was under manual operation and POBA was under degraded operation mode.
2021-086	11/17/2021 23:35	11/18/2021 12:15	12:40	0	0	TR15	12	No	Moderate wet weather event homogeneously distributed across the collection system. SOBA was under manual operation and POBA was under degraded operation mode.
2021-087	11/20/2021 22:30	11/21/2021 19:05	20:35	0	0	TR15	6	No	Moderate wet weather event homogeneously distributed across the collection system. SOBA was under manual operation and POBA was under degraded operation mode.
2021-089	12/5/2021 16:00	12/6/2021 21:55	29:55	0	1	TR15	84	No	Large wet weather event heterogeneously distributed across the collection system. SOBA was under manual operation and its dewatering phase coincided with an increased overflow rate at CSO-016.
2021-092	12/10/2021 21:20	12/12/2021 17:15	43:55	1	1	TR14	165	No	Large wet weather event homogeneously distributed across the collection system. SOBA was under manual operation.
2021-093	12/28/2021 5:30	12/29/2021 13:30	32:00	0	0	TR04	39	No	Moderate wet weather event homogeneously distributed across the collection system. SOBA was under manual operation.
Total									

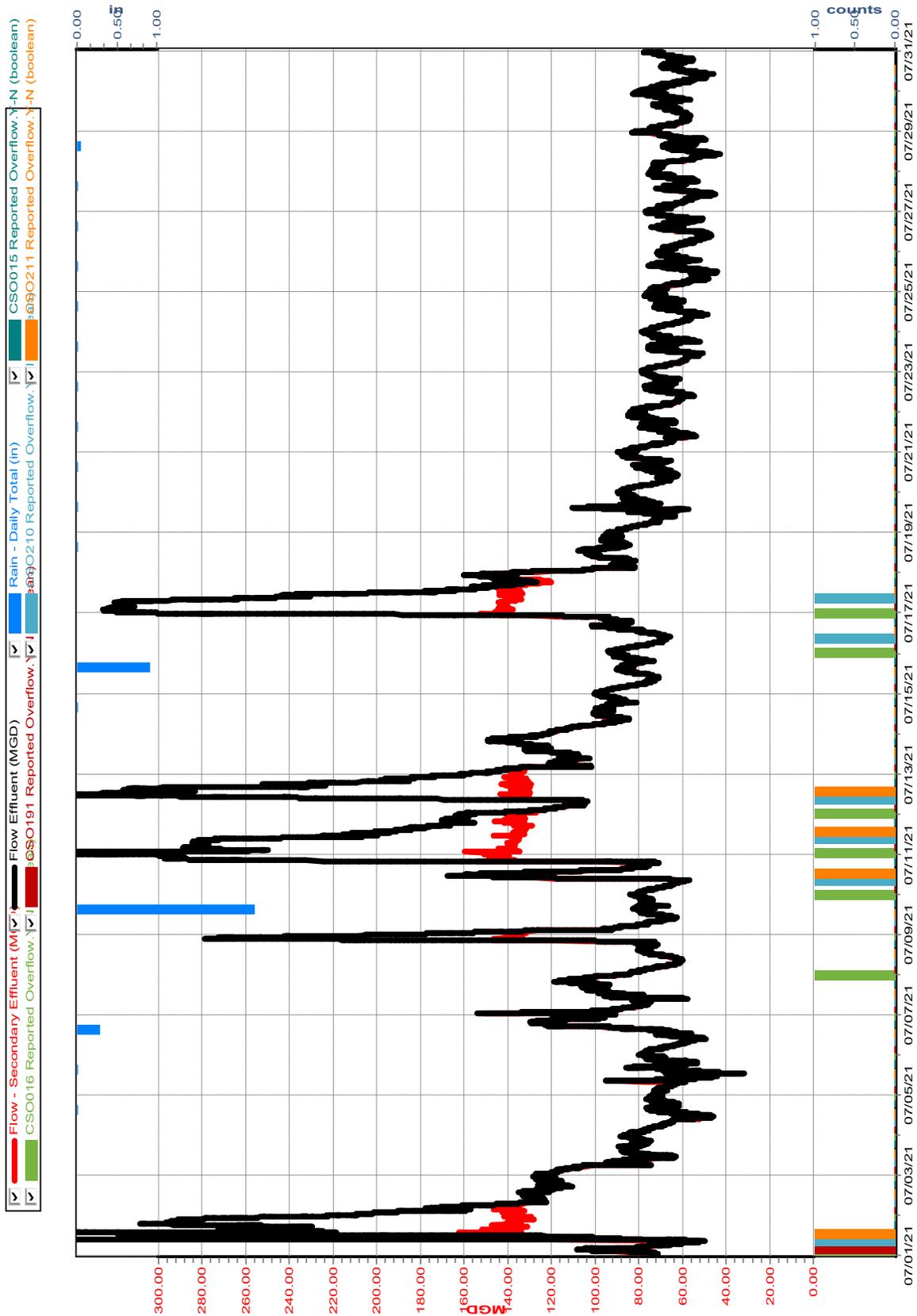


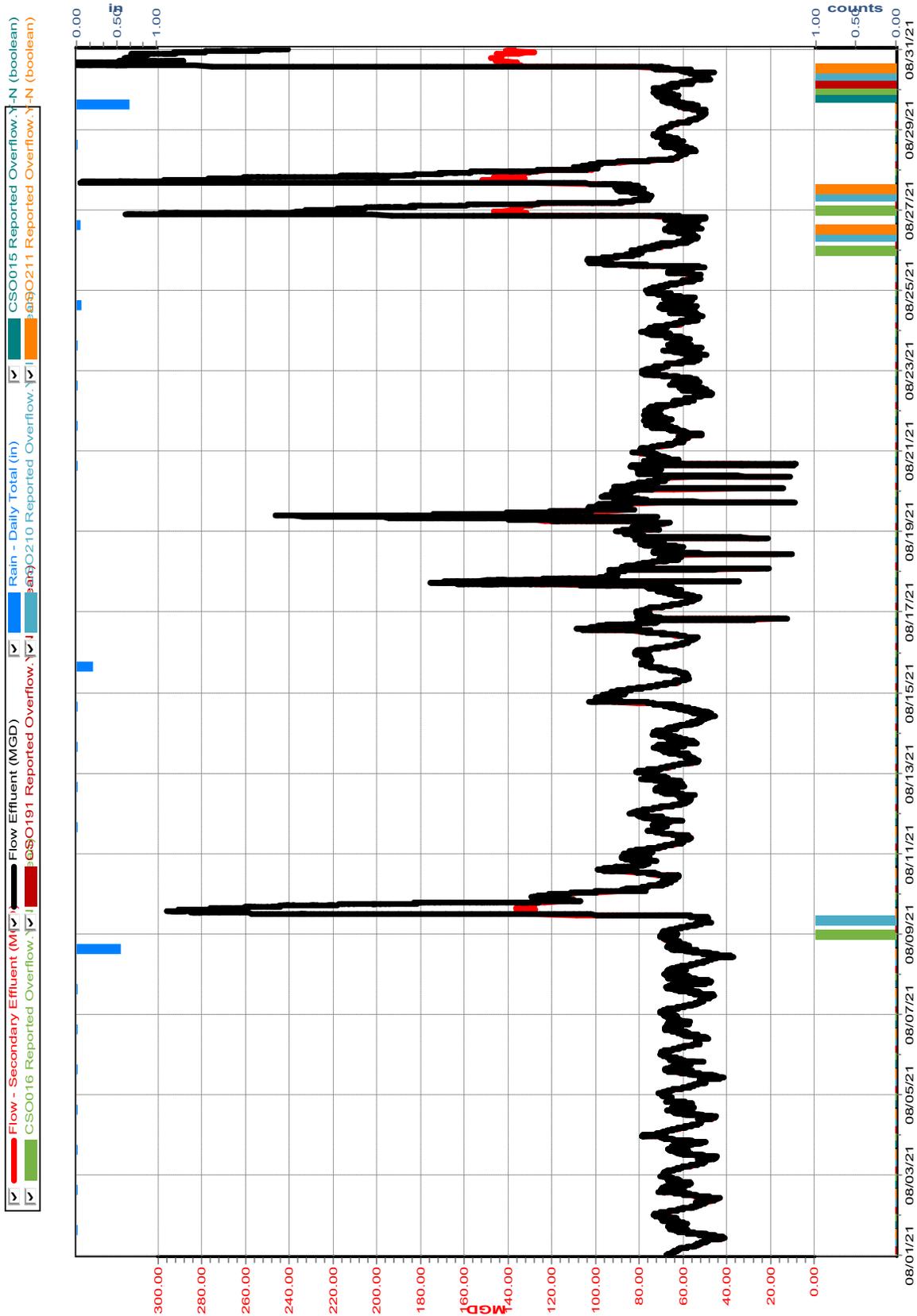
APPENDIX I

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

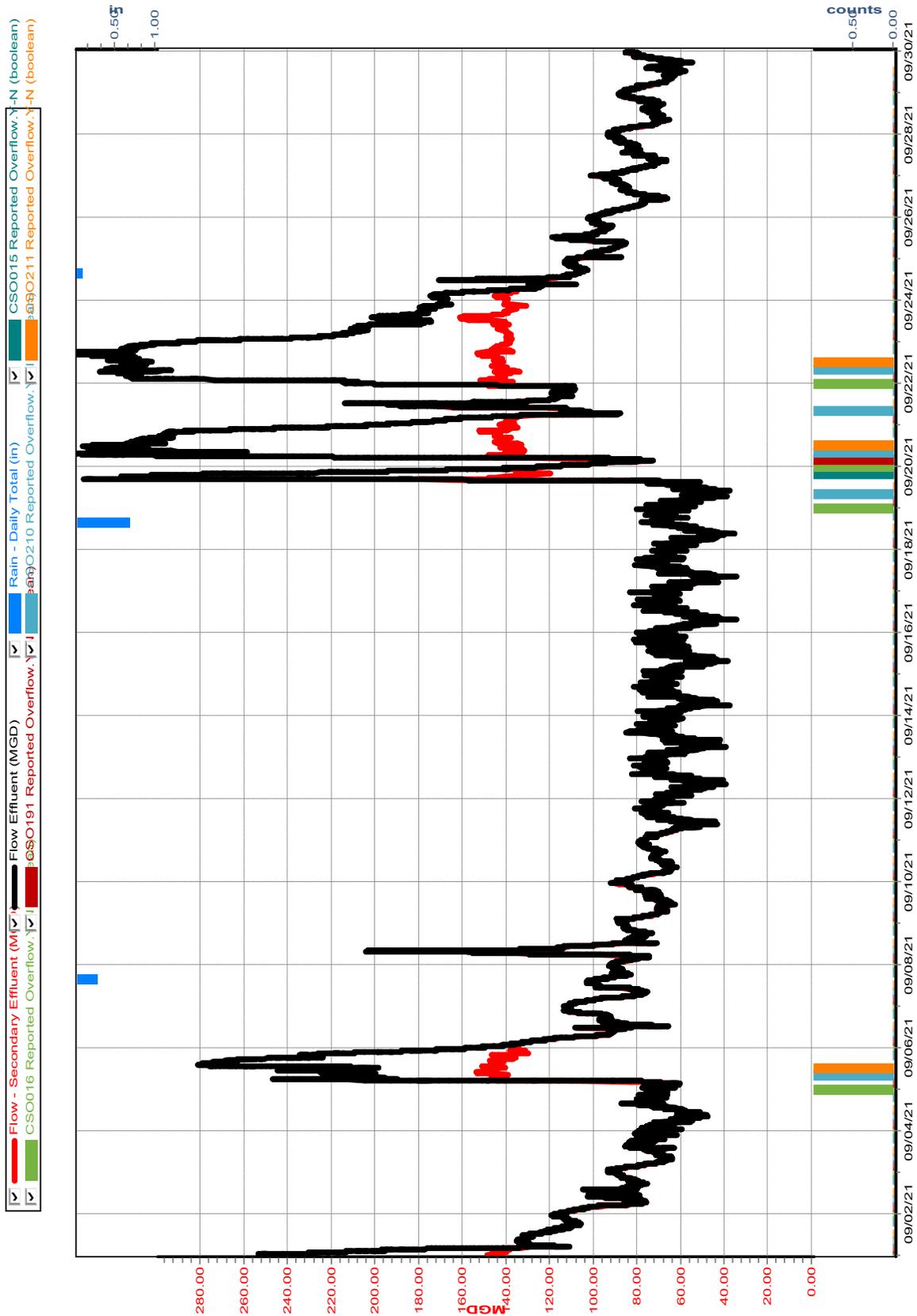
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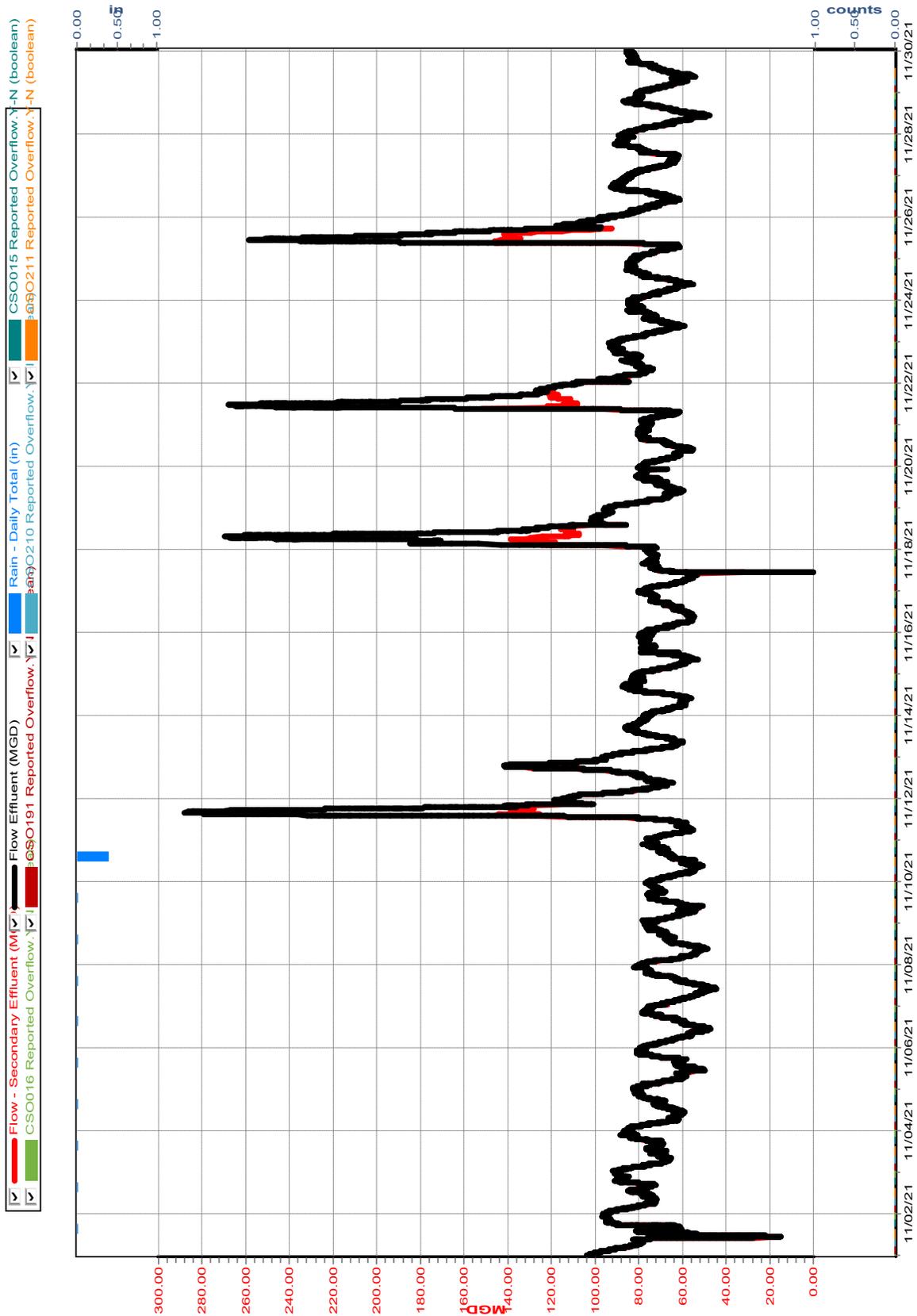


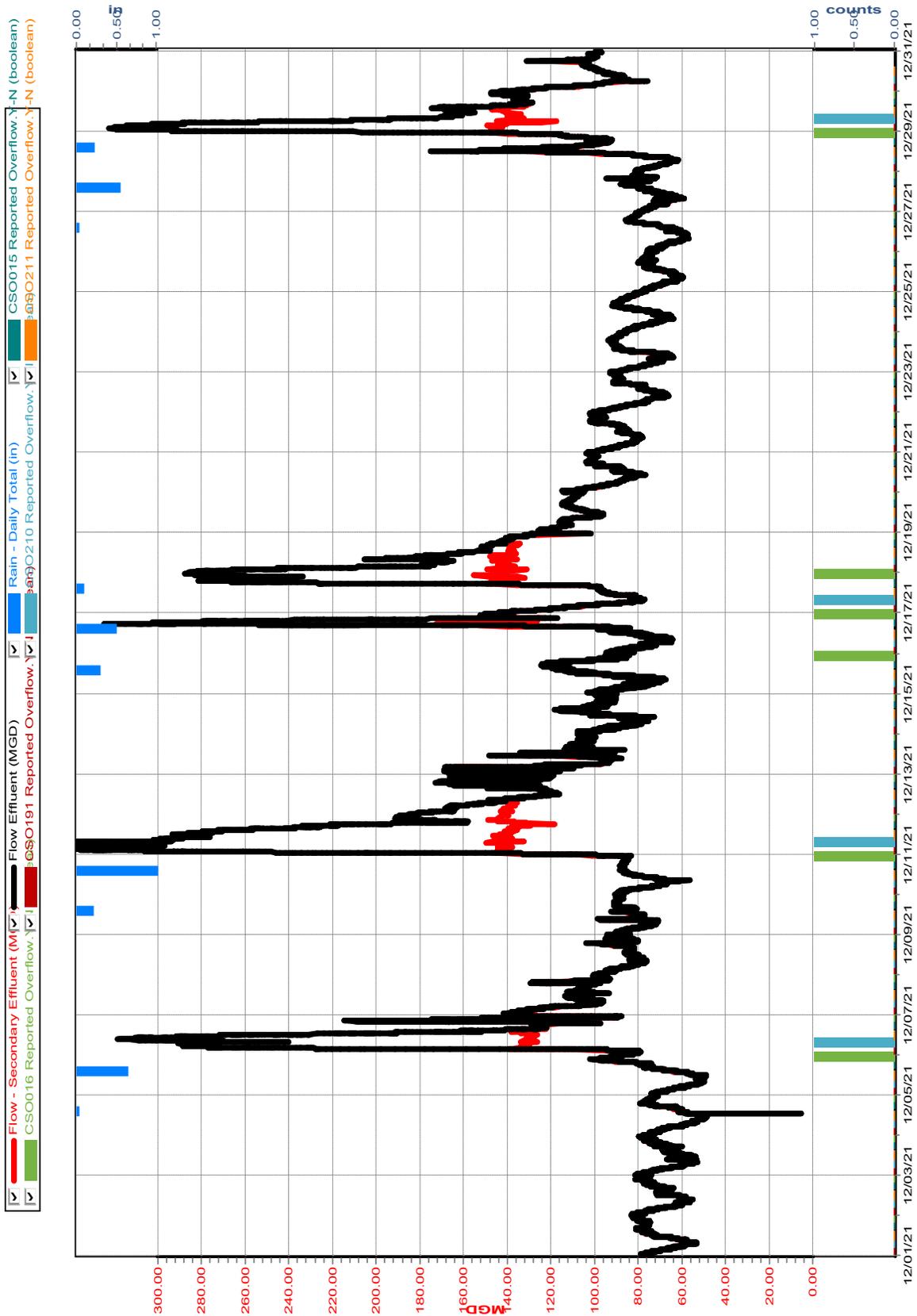


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APPENDIX J

SCAP BALANCE

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CREDIT BASIN	APPLICATION	APPLICATION NAME	TYPE	FLOW	RELEASE DATE	APPROVED CREDIT REQUIRED OR FLOW REDUCTION	RUNNING TOTAL
Cedar Creek	235533	MAINTENANCE WORK FY06 AUG-FY09 NOV - CEDAR CREEK	SCAPCREDIT		11/1/2008	6,521	6,521
Cedar Creek	362688	MAINTENANCE WORK FY09A - CEDAR CREEK	SCAPCREDIT		12/31/2008	5	6,526
Cedar Creek	236380	FY09 FAIRMOUNT ROAD MH REHAB	SCAPCREDIT		6/5/2009	10,734	17,260
Cedar Creek	362689	MAINTENANCE WORK FY09B - CEDAR CREEK	SCAPCREDIT		6/30/2009	201	17,461
Cedar Creek	SC1011254	MAINTENANCE WORK FY10A - CEDAR CREEK	SCAPCREDIT		12/31/2009	347	17,808
Cedar Creek	SC1011255	MAINTENANCE WORK FY10B - CEDAR CREEK	SCAPCREDIT		6/30/2010	194	18,002
Cedar Creek	SC1011259	MAINTENANCE WORK FY11A - CEDAR CREEK	SCAPCREDIT		12/31/2010	1,720	19,722
Cedar Creek	SC1011262	MAINTENANCE WORK FY11B - CEDAR CREEK	SCAPCREDIT		6/30/2011	934	20,656
Cedar Creek	SC1011264	MAINTENANCE WORK FY12A - CEDAR CREEK	SCAPCREDIT		12/31/2011	269	20,925
Cedar Creek	SC1011267	MAINTENANCE WORK FY12B - CEDAR CREEK	SCAPCREDIT		6/30/2012	814	21,739
Cedar Creek	SC1005519	CONTRACTED WORK FY12 - CEDAR CREEK	SCAPCREDIT		9/10/2012	21,321	43,060
Cedar Creek	320989	FY12 LITTLE CEDAR CREEK III REHABILITATION	SCAPCREDIT		9/27/2012	652,907	695,967
Cedar Creek	263934	ST JAMES CROSSINGS	LAT EXT	9000	11/30/2012	(19,575)	676,392
Cedar Creek	196927	SONIC SPRINGS	LAT EXT	3600	12/5/2012	(7,830)	688,562
Cedar Creek	350057	FMC EAST LOUISVILLE #1673-3	LAT EXT	3400	1/29/2013	(7,395)	681,167
Cedar Creek	SC1074160	MAINTENANCE WORK FY13 JAN-JUN - CEDAR CREEK	SCAPCREDIT		6/30/2013	4,443	685,610
Cedar Creek	SC1005524	CONTRACTED WORK FY13 - CEDAR CREEK	SCAPCREDIT		8/19/2013	425	686,035
Cedar Creek	14SC1000	MAINTENANCE WORK FY13A - CEDAR CREEK	SCAPCREDIT		12/31/2013	2,220	689,737
Cedar Creek	SC1082184	MAINTENANCE WORK FY14 JUL-DEC - CEDAR CREEK	SCAPCREDIT		12/31/2013	1,482	687,517
Cedar Creek	13LE1155	RAISING CANE'S CEDARLOOK DRIVE	LAT EXT	1175	5/23/2014	(2,556)	667,181
Cedar Creek	SC1082223	MAINTENANCE WORK FY14 JAN-JUN - CEDAR CREEK	SCAPCREDIT		6/30/2014	4,729	671,910
Cedar Creek	SC1082493	MAINTENANCE WORK FY15 JUL-DEC - CEDAR CREEK	SCAPCREDIT		12/30/2014	4,583	676,493
Cedar Creek	239030	POPLAR LAKES PH 1	LAT EXT	18000	1/26/2015	(39,150)	637,343
Cedar Creek	13LE1003	Bardstown Woods Sec 6	LAT EXT	5200	5/26/2015	(11,310)	626,033
Cedar Creek	SC1082496	MAINTENANCE WORK FY15 JAN-JUN - CEDAR CREEK	SCAPCREDIT		6/30/2015	21	626,054
Cedar Creek	LE916330	Altawood Development	LAT EXT	1600	9/14/2015	(3,460)	622,574
Cedar Creek	SC1003694	CONTRACTED WORK FY16 - CEDAR CREEK	SCAPCREDIT		9/25/2015	328	622,903
Cedar Creek	SC1006188	CONTRACTED WORK FY15 - CEDAR CREEK	SCAPCREDIT		9/25/2015	1	622,575
Cedar Creek	SC1082497	MAINTENANCE WORK FY16 JUL-DEC - CEDAR CREEK	SCAPCREDIT		12/30/2015	16	622,919
Cedar Creek	LE915727	BARSTOWN WOODS SEC 7	LAT EXT	4400	5/25/2016	(9,570)	613,349
Cedar Creek	SC1082498	MAINTENANCE WORK FY16 JAN-JUN - CEDAR CREEK	SCAPCREDIT		6/30/2016	169	613,518
Cedar Creek	LE981692	Meredith Machinery	LAT EXT	400	8/9/2016	(870)	612,648
Cedar Creek	SC1006171	CONTRACTED WORK FY14 - CEDAR CREEK	SCAPCREDIT		10/26/2016	45,900	658,548
Cedar Creek	SC1082499	MAINTENANCE WORK FY17 JUL-DEC - CEDAR CREEK	SCAPCREDIT		12/30/2016	2,396	660,944
Cedar Creek	LE979589	Air Hydro Power Expansion	LAT EXT	3120	2/9/2017	(6,786)	654,158
Cedar Creek	LE979025	Single Family Residence	LAT EXT	2000	3/8/2017	(4,350)	649,808
Cedar Creek	SC1082500	MAINTENANCE WORK FY17 JAN-JUN - CEDAR CREEK	SCAPCREDIT		6/30/2017	3,464	653,272



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Cedar Creek	SC1107176	CONTRACTED WORK FY17 - CEDAR CREEK	SCAPCREDIT		7/11/2017	309	653,581
Cedar Creek	SC1107180	FY17 PROVIDENCE COURT PS REHABILITATION	SCAPCREDIT		7/21/2017	1,275	654,856
Cedar Creek	LE974484	Blue Sky Logistical Center	LAT EXT	2250	7/26/2017	(4,894)	649,962
Cedar Creek	LE983107	Poplar Lakes Phase 3	LAT EXT	12000	8/14/2017	(26,100)	623,862
Cedar Creek	LE971176	Cedar Ridge	LAT EXT	18800	10/24/2017	(40,890)	582,972
Cedar Creek	SC1082501	MAINTENANCE WORK FY18, JUL-DEC-CEDAR CREEK	SCAPCREDIT		12/30/2017	3,087	586,039
Cedar Creek	LE1027406	Cheroweth Run, LLC	LAT EXT	1600	3/13/2018	(3,480)	582,559
Cedar Creek	LE1005655	Carrier Court	LAT EXT	400	4/2/2018	(870)	581,689
Cedar Creek	SC1107051	FY18 BARDSTOWN RD II REMEDIATION	SCAPCREDIT		6/25/2019	22,963	604,652
Cedar Creek	LE1048252	Landherr Estates Phase II	LAT EXT	17600	7/23/2019	(38,280)	566,372
Cedar Creek	LE1039387	Tuscany Ridge Section 3	LAT EXT	8000	8/16/2019	(17,400)	548,972
Cedar Creek	LE1015579	Glenmary Commons	LAT EXT	8800	9/12/2019	(19,140)	499,382
Cedar Creek	LE1049657	Little Spring Farm, Section 4B	LAT EXT	14000	9/12/2019	(30,450)	518,522
Cedar Creek	LE976334	Houchens Industries	LAT EXT	780	10/2/2019	(1,697)	497,685
Cedar Creek	LE1049477	Hearthstone Meadows	LAT EXT	14400	1/30/2020	(31,320)	466,365
Cedar Creek	LE1085520	Jefferson Trace Blvd. Sewer Extension	LAT EXT	400	2/27/2020	(870)	465,495
Cedar Creek	LE1098947	Cedar Creek Subdivision - Section 1	LAT EXT	16000	9/10/2020	(34,800)	430,695
Cedar Creek	LE1057197	Cedar Brook Subdivision Section 4	LAT EXT	1200	10/27/2020	(2,610)	428,085
Cedar Creek	LE1105493	Heritage Creek East Lot 384 PSC	LAT EXT	400	2/19/2021	(870)	427,215
Cedar Creek	LE1089846	Cedar Brook Subdivision, Section 5	LAT EXT	33800	11/3/2021	(73,080)	354,135
Cedar Creek							354,135
Floyds Fork	235557	MAINTENANCE WORK FY06 AUG-FY09 NOV - FLOYDS FORK	SCAPCREDIT		11/1/2008	14,540	14,540
Floyds Fork	362638	MAINTENANCE WORK FY09A - FLOYDS FORK	SCAPCREDIT		12/31/2008	1	14,541
Floyds Fork	362647	MAINTENANCE WORK FY09B - FLOYDS FORK	SCAPCREDIT		6/30/2009	4	14,545
Floyds Fork	362651	MAINTENANCE WORK FY10A - FLOYDS FORK	SCAPCREDIT		12/31/2009	524	15,069
Floyds Fork	230379	SHAKES RUN SECTION 4	LAT EXT	3770	1/5/2010	(8,200)	6,869
Floyds Fork	362655	MAINTENANCE WORK FY10B - FLOYDS FORK	SCAPCREDIT		6/30/2010	82	6,951
Floyds Fork	362661	MAINTENANCE WORK FY11A - FLOYDS FORK	SCAPCREDIT		12/31/2010	14,163	21,114
Floyds Fork	362669	MAINTENANCE WORK FY11B - FLOYDS FORK	SCAPCREDIT		6/30/2011	22,707	43,821
Floyds Fork	309608	BLANKENBAKER TRAIL OFFICE LN-B	LAT EXT	2880	10/12/2011	(6,264)	37,557
Floyds Fork	242480	CLAIBOURNE CROSSINGS PHASE 2	LAT EXT	0	10/17/2011	-	37,557
Floyds Fork	359320	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	4,000	41,874
Floyds Fork	362674	MAINTENANCE WORK FY12A - FLOYDS FORK	SCAPCREDIT		12/31/2011	317	37,874
Floyds Fork	319027	PREMIER SURGERY CENTER	LAT EXT	5740	3/13/2012	(12,485)	29,389
Floyds Fork	362678	MAINTENANCE WORK FY12B - FLOYDS FORK	SCAPCREDIT		6/30/2012	338	29,727
Floyds Fork	332823	SINGLE FAMILY HOME	LAT EXT	400	7/13/2012	(870)	28,857
Floyds Fork	315945	BROOKFIELD SEC 3	LAT EXT	12800	10/26/2012	(27,840)	1,017

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Floyds Fork	361689	FY13 LAKE FOREST REHAB PH1	SCAPCREDIT		12/18/2012	174,769	175,786
Floyds Fork	362683	MAINTENANCE WORK FY13A - FLOYDS FORK	SCAPCREDIT		12/31/2012	10	175,796
Floyds Fork	331397	BROOKFIELD SEC 2A	LAT EXT	14400	5/8/2013	(31,320)	144,476
Floyds Fork	SC1082514	MAINTENANCE WORK FY13 JAN-JUN-FLOYDS FORK	SCAPCREDIT		6/30/2013	161	158,820
Floyds Fork	133C1000	FY14 STARVIEW REHABILITATION	SCAPCREDIT		6/30/2013	14,183	158,659
Floyds Fork	SC1082517	MAINTENANCE WORK FY14 JUL-DEC-FLOYDS FORK	SCAPCREDIT		12/30/2013	891	159,811
Floyds Fork	SC1082518	MAINTENANCE WORK FY14 JAN-JUN-FLOYDS FORK	SCAPCREDIT		6/30/2014	662	160,473
Floyds Fork	SC1082519	MAINTENANCE WORK FY15 JUL-DEC-FLOYDS FORK	SCAPCREDIT		12/30/2014	1,318	161,791
Floyds Fork	13LE1082	SPEEDWAY #9451	LAT EXT	540	2/18/2015	(1,175)	160,616
Floyds Fork	SC1082520	MAINTENANCE WORK FY15 JAN-JUN-FLOYDS FORK	SCAPCREDIT		6/30/2015	661	154,197
Floyds Fork	SC1008809	FY14 BERRY TOWN WQTC III REMEDIATION	SCAPCREDIT		6/30/2015	116,834	271,031
Floyds Fork	LE939198	Speckman Center	LAT EXT	1920	6/30/2015	(4,176)	166,440
Floyds Fork	LE932084	Donan Engineering Co., Inc Main Office	LAT EXT	1335	6/30/2015	(2,904)	153,536
Floyds Fork	SC1003723	FY16 MIDDLE TOWN SSR P2S2 III REMEDIATION	SCAPCREDIT		11/6/2015	102	271,133
Floyds Fork	LE965189	The Meadows at the Polo Fields Patio Homes	LAT EXT	1200	11/23/2015	(2,610)	284,717
Floyds Fork	LE959078	Edwards Restaurant	LAT EXT	1750	11/23/2015	(3,806)	267,327
Floyds Fork	SC1082521	MAINTENANCE WORK FY16 JUL-DEC-FLOYDS FORK	SCAPCREDIT		12/30/2015	659	265,376
Floyds Fork	LE941673	Locust Creek Section 8B	LAT EXT	2000	1/7/2016	(4,350)	261,026
Floyds Fork	SC1082523	MAINTENANCE WORK FY16 JAN-JUN-FLOYDS FORK	SCAPCREDIT		6/30/2016	3,578	264,604
Floyds Fork	SC1003331	CONTRACTED WORK FY16 - FLOYDS FORK	SCAPCREDIT		7/7/2016	35	264,639
Floyds Fork	LE932677	Shakes Run Sec 9	LAT EXT	12000	9/20/2016	(26,100)	238,539
Floyds Fork	SC1082524	MAINTENANCE WORK FY17 JUL-DEC-FLOYDS FORK	SCAPCREDIT		12/30/2016	1,804	240,343
Floyds Fork	LE945783	Urton Woods, Section 2B	LAT EXT	17200	1/4/2017	(37,410)	202,933
Floyds Fork	LE983784	Catalpa Farms Subdivision	LAT EXT	16000	1/6/2017	(34,800)	168,133
Floyds Fork	LE971261	Notting Hills Section 4 and Clubhouse	LAT EXT	10400	2/27/2017	(22,620)	145,513
Floyds Fork	SC1082525	MAINTENANCE WORK FY17 JAN-JUN-FLOYDS FORK	SCAPCREDIT		6/30/2017	1,320	146,833
Floyds Fork	LE992628	Blankenbaker Centre II	LAT EXT	2340	10/9/2017	(5,080)	141,743
Floyds Fork	SC1082526	MAINTENANCE WORK FY18 JUL-DEC-FLOYDS FORK	SCAPCREDIT		12/30/2017	6,158	147,901
Floyds Fork	LE1028269	Valencia Villas at Landis Lakes	LAT EXT	1600	12/27/2018	(3,480)	144,421
Floyds Fork	LE1039183	Glen Lakes Section 4 - Phase 3	LAT EXT	16400	1/7/2019	(35,670)	108,751
Floyds Fork	LE1030166	Victory Knoll Apartments - Phase 1	LAT EXT	91400	2/7/2019	(198,795)	(90,044)
Floyds Fork	LE1024277	St. Joseph's Property	LAT EXT	70128	4/19/2019	(152,526)	(242,572)
Floyds Fork	LE1030172	Victory Knoll Apartments - Phase 2	LAT EXT	36100	6/25/2019	(78,518)	(321,090)
Floyds Fork	SC107197	CONTRACTED WORK FY19 - FLOYDS FORK	SCAPCREDIT		8/27/2019	1,554	(319,536)
Floyds Fork	LE1050932	Courtyard at Curry Farms Section 1	LAT EXT	17000	10/21/2019	(36,975)	(356,511)
Floyds Fork	LE1025883	Vinnings at Claibourne	LAT EXT	69800	12/6/2019	(151,815)	(508,326)
Floyds Fork							



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Hite Creek	SC1006307	CONTRACTED WORK FY06 - HITE CREEK	SCAPCREDIT		5/15/2008	656	656
Hite Creek	235561	MAINTENANCE WORK FY06 AUG-FY09 NOV - HITE CREEK	SCAPCREDIT		11/1/2008	6,404	7,060
Hite Creek	362641	MAINTENANCE WORK FY08A - HITE CREEK	SCAPCREDIT		12/31/2008	2	7,062
Hite Creek	SC1006214	CONTRACTED WORK FY09 - HITE CREEK	SCAPCREDIT		6/1/2009	328	7,390
Hite Creek	362648	MAINTENANCE WORK FY08B - HITE CREEK	SCAPCREDIT		6/30/2009	7	7,397
Hite Creek	362652	MAINTENANCE WORK FY10A - HITE CREEK	SCAPCREDIT		12/31/2009	10	7,407
Hite Creek	362657	MAINTENANCE WORK FY10B - HITE CREEK	SCAPCREDIT		6/30/2010	332	7,739
Hite Creek	320906	FY11 FLOYDSBURG ROAD III REHABILITATION	SCAPCREDIT		12/17/2010	28,437	36,176
Hite Creek	362662	MAINTENANCE WORK FY11A - HITE CREEK	SCAPCREDIT		12/31/2010	9	36,185
Hite Creek	362670	MAINTENANCE WORK FY11B - HITE CREEK	SCAPCREDIT		6/30/2011	9	36,194
Hite Creek	SC1010658	FY12 MEADOW STREAM PS AND FM EXPANSION	SCAPCREDIT		9/7/2011	2,304,000	2,340,194
Hite Creek	246658	CHAPMAN COURT S/S	LAT EXT	800	9/28/2011	(1,740)	2,338,454
Hite Creek	362675	MAINTENANCE WORK FY12A - HITE CREEK	SCAPCREDIT		12/31/2011	340	2,338,794
Hite Creek	362679	MAINTENANCE WORK FY12B - HITE CREEK	SCAPCREDIT		6/30/2012	5,007	2,343,801
Hite Creek	290181	CAMDEN WOOD APARTMENTS	LAT EXT	12400	8/31/2012	(26,970)	2,316,831
Hite Creek	304536	MAGNOLIA SPRINGS EAST PRIV P/S	LAT EXT	9500	12/1/2012	(20,663)	2,296,168
Hite Creek	335610	ROCK SPRINGS FARM SEC 4B	LAT EXT	6400	12/7/2012	(13,920)	2,282,248
Hite Creek	362684	MAINTENANCE WORK FY13A - HITE CREEK	SCAPCREDIT		12/31/2012	7	2,282,255
Hite Creek	SC1005530	CONTRACTED WORK FY13 - HITE CREEK	SCAPCREDIT		4/11/2013	1,442	2,283,697
Hite Creek	SC1082527	MAINTENANCE WORK FY13 JAN-JUN-HITE CREEK	SCAPCREDIT		6/30/2013	967	2,284,664
Hite Creek	13LE1150	SINGLE FAMILY 5800 MOUNT PLEASANT RD	LAT EXT	400	11/26/2013	(870)	2,283,794
Hite Creek	SC1082528	MAINTENANCE WORK FY14 JUL-DEC-HITE CREEK	SCAPCREDIT		12/30/2013	3,211	2,287,005
Hite Creek	SC1082529	MAINTENANCE WORK FY14 JAN-JUNE-HITE CREEK	SCAPCREDIT		6/30/2014	2,207	2,289,212
Hite Creek	SC1082530	MAINTENANCE WORK FY15 JUL-DEC-HITE CREEK	SCAPCREDIT		12/30/2014	360	2,289,572
Hite Creek	SC1006178	CONTRACTED WORK FY14 - HITE CREEK	SCAPCREDIT		1/27/2015	77,660	2,367,232
Hite Creek	SC985697	FY13 MEADOWSTREAM REHABILITATION	SCAPCREDIT		3/13/2015	448,447	2,815,679
Hite Creek	SC1082531	MAINTENANCE WORK FY15 JAN-JUN-HITE CREEK	SCAPCREDIT		6/30/2015	124	2,815,803
Hite Creek	SC1082532	MAINTENANCE WORK FY16 JUL-DEC-HITE CREEK	SCAPCREDIT		12/30/2015	1,191	2,816,994
Hite Creek	LE967612	Camden Wood Apartments, Phase III	LAT EXT	2400	3/2/2016	(5,220)	2,811,774
Hite Creek	SC1082533	MAINTENANCE WORK FY16 JAN-JUN-HITE CREEK	SCAPCREDIT		6/30/2016	336	2,812,110
Hite Creek	LE943178	Rock Springs Farm Section 5A	LAT EXT	6800	9/13/2016	(14,790)	2,797,320
Hite Creek	SC1006192	CONTRACTED WORK FY15 - HITE CREEK	SCAPCREDIT		10/26/2016	1	2,797,321
Hite Creek	SC1082534	MAINTENANCE WORK FY17 JUL-DEC-HITE CREEK	SCAPCREDIT		12/30/2016	3,599	2,800,920
Hite Creek	LE971406	Old Henry Business Park	LAT EXT	930	3/17/2017	(2,023)	2,798,897
Hite Creek	SC1082535	MAINTENANCE WORK FY17 JAN-JUN-HITE CREEK	SCAPCREDIT		6/30/2017	4,109	2,803,006
Hite Creek	LE1008225	LINAK Expansion	LAT EXT	3610	8/25/2017	(7,852)	2,795,154
Hite Creek	SC1082536	MAINTENANCE WORK FY18 JUL-DEC-HITE CREEK	SCAPCREDIT		12/30/2017	6,823	2,801,977

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Hite Creek	SC1107182	FY18 FLOYDSBURG ROAD PS REHABILITATION	SCAPCREDIT		8/9/2018	7,825	2,809,802
Hite Creek	LE1042390	Norton Commons North Village Phase 7	LAT EXT	12000	1/7/2019	(26,100)	2,725,412
Hite Creek	LE1031180	Norton Commons North Village Phase 6	LAT EXT	26800	1/7/2019	(58,290)	2,751,512
Hite Creek	LE1079340	Norton Commons North Village Phase 6A	LAT EXT	6800	1/10/2019	(14,790)	2,710,622
Hite Creek	LE1056431	Norton Commons North Village The Grove Pool	LAT EXT	400	3/15/2019	(870)	2,708,752
Hite Creek	LE1088579	A & L Expansion	LAT EXT	400	3/28/2019	(870)	2,708,882
Hite Creek	14LE1103	Accomack Mini Warehouses	LAT EXT	400	5/8/2019	(870)	2,708,012
Hite Creek	LE1068686	Ghasemi/Factory Lane Project	LAT EXT	685	5/29/2019	(1,490)	2,706,522
Hite Creek	LE1103150	Anchorage Plaza II Phase II	LAT EXT	2300	11/19/2019	(5,003)	2,701,519
Hite Creek	LE1104289	LYRIC AT NORTON COMMONS	LAT EXT	71357	2/20/2020	(155,201)	2,546,318
Hite Creek	LE1054784	Norton Commons North Village Phase 8	LAT EXT	9600	2/21/2020	(20,880)	2,525,438
Hite Creek	LE1102996	Thomas Eastpoint Warehouse Expansion	LAT EXT	400	3/3/2020	(870)	2,524,568
Hite Creek	LE1104592	EPOP II	LAT EXT	510	6/3/2020	(1,109)	2,523,459
Hite Creek	LE1102431	Tony's Wrecker Service	LAT EXT	400	6/12/2020	(870)	2,522,589
Hite Creek	LE1068366	Norton Commons North Village Phase 10	LAT EXT	29200	6/30/2020	(69,510)	2,459,079
Hite Creek	LE1104374	KEN TOWERY	LAT EXT	400	7/16/2020	(870)	2,458,209
Hite Creek							2,458,209
Jeffersonton	235563	MAINTENANCE WORK FY06AUG-FY09 NOV - JEFFERSONTOWN	SCAPCREDIT		11/1/2008	6,203	6,203
Jeffersonton	359323	CALENDAR 2008 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2008	4,000	10,203
Jeffersonton	254871	LAKESIDE BAPT CHURCH PRIV PS	LAT EXT	2500	8/10/2010	(5,438)	4,765
Jeffersonton	340213	FY12 JEFFERSONTOWN ENG REHAB	SCAPCREDIT		8/11/2011	997,448	1,002,213
Jeffersonton	359324	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	4,000	1,006,213
Jeffersonton	14SC1002	MAINTENANCE WORK FY13A - JEFFERSONTOWN	SCAPCREDIT		12/31/2012	3,490	1,009,703
Jeffersonton	337261	SINGLE FAMILY 2909 PELHAM CT	LAT EXT	400	5/28/2013	(870)	1,008,833
Jeffersonton	13LE1010	SWOPE HR & TRAINING BLDG	LAT EXT	400	6/28/2013	(870)	1,007,963
Jeffersonton	13LE1082	BALE EQUIPMENT	LAT EXT	450	10/25/2013	(879)	1,006,984
Jeffersonton	13LE1088	UNIPAK	LAT EXT	720	2/27/2014	(1,566)	1,005,418
Jeffersonton	LE924043	Bluegrass Indoor Carling	LAT EXT	400	5/1/2014	(870)	1,004,548
Jeffersonton	13LE1153	VALUE PLACE	LAT EXT	12400	7/9/2014	(26,970)	977,578
Jeffersonton	14LE1082	SINGLE FAMILY HOME	LAT EXT	400	7/22/2014	(870)	976,708
Jeffersonton	13LE1067	PARK COMMUNITY	LAT EXT	2200	12/31/2014	(4,765)	971,923
Jeffersonton	LE952541	TYLER RETAIL CTR & KROGER EXPAN	LAT EXT	0	8/17/2015	-	971,923
Jeffersonton	14LE1149	Grand Lakes Section 3	LAT EXT	5600	2/1/2016	(12,180)	959,743
Jeffersonton	LE924049	Blankenbaker Road S/S	LAT EXT	9010	3/10/2016	(19,597)	940,146
Jeffersonton	LE946691	Kowaleski Salon	LAT EXT	600	3/15/2016	(1,305)	938,841
Jeffersonton	326360	WATTERSON TRAIL CENTER	LAT EXT	2745	5/4/2016	(5,970)	932,871
Jeffersonton	LE972153	Tova Industries	LAT EXT	400	5/9/2016	(870)	932,001



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Jeffersontown	LE930127	Vantage Point Sec 3B	LAT EXT	7200	6/21/2016	(15,660)	916,341
Jeffersontown	13LE1158	GOODWILL INDUSTRIES OF KENTUCKY	LAT EXT	400	7/28/2016	(870)	915,471
Jeffersontown	14LE1148	Grand Lakes Section 2	LAT EXT	4400	11/8/2016	(9,570)	905,901
Jeffersontown	LE950059	Embassy Square Office Park	LAT EXT	600	11/17/2016	(1,305)	904,596
Jeffersontown	LE926081	Monticello Manors Sec 2	LAT EXT	7600	3/23/2017	(16,530)	888,066
Jeffersontown	LE967619	Louis F. Zoeller, Jr. Minor Plat	LAT EXT	400	3/31/2017	(870)	887,196
Jeffersontown							887,196
Middle Fork Beargrass Creek	359400	CALENDAR 2007 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2007	84,000	104,000
Middle Fork Beargrass Creek	359328	CALENDAR 2007 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2007	20,000	20,000
Middle Fork Beargrass Creek	235666	MAINTENANCE WORK FY06 AUG-FY09 NOV - MIDDLE FORK	SCAPCREDIT		11/1/2008	43,779	147,779
Middle Fork Beargrass Creek	359329	CALENDAR 2008 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2008	8,000	155,792
Middle Fork Beargrass Creek	SC1011287	MAINTENANCE WORK FY09A - MIDDLE FORK	SCAPCREDIT		12/31/2008	13	147,792
Middle Fork Beargrass Creek	236517	FY11 ANCHOR ESTATES MH REHAB	SCAPCREDIT		1/16/2009	15,562	171,344
Middle Fork Beargrass Creek	217235	FY09 SINKING FORK ICAPHASE I REHAB	SCAPCREDIT		3/30/2009	437,967	609,311
Middle Fork Beargrass Creek	235376	FY09 MIDDLE FORK INT REHAB PH1	SCAPCREDIT	-500	5/15/2009	487,744	1,097,055
Middle Fork Beargrass Creek	179246	SHADY GLEN OF LYNDON PERSONAL	LAT EXT		5/26/2009	1,088	1,098,143
Middle Fork Beargrass Creek	SC1011288	MAINTENANCE WORK FY09B - MIDDLE FORK	SCAPCREDIT		6/30/2009	4,208	1,102,351
Middle Fork Beargrass Creek	250572	1316 WITAWANGA AVE	LAT EXT	400	11/4/2009	(870)	1,101,481
Middle Fork Beargrass Creek	SC1011290	MAINTENANCE WORK FY10A - MIDDLE FORK	SCAPCREDIT		12/31/2009	50	1,129,531
Middle Fork Beargrass Creek	359401	CALENDAR 2009 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2009	4,000	1,129,481
Middle Fork Beargrass Creek	359331	CALENDAR 2009 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2009	24,000	1,125,481
Middle Fork Beargrass Creek	197432	ALMOST HOME KENNELS - ALL PET	LAT EXT	3700	3/16/2010	(8,048)	1,121,463
Middle Fork Beargrass Creek	260064	OXMOOR GOLF FRONT 9	LAT EXT	400	4/15/2010	(870)	1,119,743
Middle Fork Beargrass Creek	260065	OXMOOR GOLF BACK 9	LAT EXT	400	4/15/2010	(870)	1,120,613
Middle Fork Beargrass Creek	229634	THE BROOK HOS- DUPONT ADDITION	LAT EXT	1763	4/27/2010	(3,855)	1,115,908
Middle Fork Beargrass Creek	SC1011292	MAINTENANCE WORK FY10B - MIDDLE FORK	SCAPCREDIT		6/30/2010	1,113	1,117,021
Middle Fork Beargrass Creek	265723	Z-XPRESS CAR WASH	LAT EXT	5449	7/2/2010	(11,852)	1,105,169
Middle Fork Beargrass Creek	255792	HERR LANE APARTMENTS - 8 PLEX	LAT EXT	2400	7/14/2010	(5,220)	1,097,339
Middle Fork Beargrass Creek	255793	HERR LANE APARTMENTS - 4 PLEX	LAT EXT	1200	7/14/2010	(2,610)	1,102,559
Middle Fork Beargrass Creek	274303	FARM CREDIT SERVICES	LAT EXT	525	9/9/2010	(1,142)	1,096,197
Middle Fork Beargrass Creek	278015	METROPOLITAN UROLOGY	LAT EXT	400	12/15/2010	(870)	1,095,327
Middle Fork Beargrass Creek	359333	CALENDAR 2010 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2010	12,000	1,116,532
Middle Fork Beargrass Creek	359402	CALENDAR 2010 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2010	8,000	1,104,532
Middle Fork Beargrass Creek	SC1011293	MAINTENANCE WORK FY11A - MIDDLE FORK	SCAPCREDIT		12/31/2010	1,205	1,096,532
Middle Fork Beargrass Creek	285637	SHELBYHURST OFFICE BUILDING 1	LAT EXT	6600	1/20/2011	(14,355)	1,102,177
Middle Fork Beargrass Creek	313465	DORSEY POINTE/CODOMINIUMS 8-13	LAT EXT	2400	1/27/2011	(5,220)	1,096,957
Middle Fork Beargrass Creek	291263	BROWNS LANE BUILDING	LAT EXT	400	4/14/2011	(870)	1,096,087

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Middle Fork Beargrass Creek	293400	FOUR PLEX APARTMENTS	LAT EXT	1200	6/14/2011	(2,610)	1,093,477
Middle Fork Beargrass Creek	SC1011294	MAINTENANCE WORK FY11B - MIDDLE FORK	SCAPCREDIT		6/30/2011	7,183	1,100,660
Middle Fork Beargrass Creek	330019	FY11 ANCHOR ESTATES REHAB	SCAPCREDIT		8/11/2011	1,359	1,102,019
Middle Fork Beargrass Creek	310046	EL NAPEL - MCMAHAN CENTER	LAT EXT	3100	10/31/2011	(6,743)	1,095,276
Middle Fork Beargrass Creek	314591	CHOCOLATE MARTINI BARRREST	LAT EXT	3275	11/29/2011	(7,123)	1,088,153
Middle Fork Beargrass Creek	320983	FY12 HURSTBOURNE III INVESTIGATION	SCAPCREDIT		12/27/2011	1,408,279	2,496,432
Middle Fork Beargrass Creek	359335	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	16,000	2,512,432
Middle Fork Beargrass Creek	SC1011295	MAINTENANCE WORK FY12A - MIDDLE FORK	SCAPCREDIT		12/31/2011	919	2,513,351
Middle Fork Beargrass Creek	321228	SINGLE FAMILY UNIT	LAT EXT	400	2/15/2012	(870)	2,512,481
Middle Fork Beargrass Creek	SC1005671	CONTRACTED WORK FY12 - MIDDLE FORK	SCAPCREDIT		3/16/2012	7,305	2,519,786
Middle Fork Beargrass Creek	321647	SINGLE FAMILY	LAT EXT	400	3/27/2012	(870)	2,518,916
Middle Fork Beargrass Creek	328074	SINGLE FAMILY 703 FOUNTAIN AVE	LAT EXT	400	6/22/2012	(870)	2,518,046
Middle Fork Beargrass Creek	SC1011297	MAINTENANCE WORK FY12B - MIDDLE FORK	SCAPCREDIT		6/30/2012	949	2,518,995
Middle Fork Beargrass Creek	193195	CEDAR LAKE LODGE WASHBURN	LAT EXT	1900	8/20/2012	(4,133)	2,514,862
Middle Fork Beargrass Creek	320923	FY12 ST MATTHEWS III REHABILITATION	SCAPCREDIT		8/23/2012	20,841	2,535,703
Middle Fork Beargrass Creek	337796	CHAMPPS	LAT EXT	635	9/5/2012	(1,381)	2,534,322
Middle Fork Beargrass Creek	347126	ADVANCE PRODUCTION SYSTEMS	LAT EXT	400	12/28/2012	(870)	2,533,452
Middle Fork Beargrass Creek	359336	CALENDAR 2012 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2012	92,000	2,625,452
Middle Fork Beargrass Creek	145C1003	MAINTENANCE WORK FY13A - MIDDLE FORK	SCAPCREDIT		12/31/2012	3,309	2,628,761
Middle Fork Beargrass Creek	339367	BAPTIST RADIATION ONCOLOGY	LAT EXT	1500	1/4/2013	(3,263)	2,625,498
Middle Fork Beargrass Creek	340778	PANDA RESTAURANT	LAT EXT	1725	1/16/2013	(3,752)	2,621,746
Middle Fork Beargrass Creek	349044	BLAIRWOOD POOL ADDITION	LAT EXT	400	1/29/2013	(870)	2,620,876
Middle Fork Beargrass Creek	328659	SINGLE FAMILY HOME - 6911 AMBR	LAT EXT	400	2/4/2013	(870)	2,620,006
Middle Fork Beargrass Creek	352805	POOL HOUSE 9213 REIGATE COURT	LAT EXT	200	2/20/2013	(435)	2,619,571
Middle Fork Beargrass Creek	14LE1001	MIRANDA LAGRANGE RD	LAT EXT	400	3/19/2013	(870)	2,618,701
Middle Fork Beargrass Creek	350246	SINGLE FAMILY - 218 BLISS AVE	LAT EXT	400	3/20/2013	(870)	2,617,831
Middle Fork Beargrass Creek	349974	SINGLE FAMILY 205 N WATTERSON	LAT EXT	400	3/26/2013	(870)	2,616,961
Middle Fork Beargrass Creek	342433	SHELBYHURST 700 OFFICE BLDG	LAT EXT	7500	4/15/2013	(16,313)	2,600,648
Middle Fork Beargrass Creek	350340	JARED THE GALLERY OF JEWELRY	LAT EXT	770	4/16/2013	(1,675)	2,598,973
Middle Fork Beargrass Creek	SC1005532	CONTRACTED WORK FY13 - MIDDLE FORK	SCAPCREDIT		5/30/2013	6,480	2,605,453
Middle Fork Beargrass Creek	13LE1009	Single family 11716 Wetherby Ave	LAT EXT	400	6/7/2013	(870)	2,604,583
Middle Fork Beargrass Creek	SC1082545	MAINTENANCE WORK FY13 JAN-JUN-MIDDLE FORK BEARGRAS	SCAPCREDIT		6/30/2013	6,989	2,611,572
Middle Fork Beargrass Creek	13LE1001	Single Family 835 Fountain Ave	LAT EXT	400	8/28/2013	(870)	2,610,702
Middle Fork Beargrass Creek	344385	WALDORF SCHOOL OF LOUISVILLE	LAT EXT	400	9/3/2013	(870)	2,609,832
Middle Fork Beargrass Creek	355162	PROPOSED RESTAURANT	LAT EXT	7540	9/10/2013	(16,400)	2,593,432
Middle Fork Beargrass Creek	13LE1045	SINGLE FAMILY 8325 WHIPPS MILL RD	LAT EXT	400	9/30/2013	(870)	2,592,562
Middle Fork Beargrass Creek	319292	WATERMARK ON HURSTBOURNE	LAT EXT	71600	10/22/2013	(155,730)	2,436,832



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Middle Fork Beargrass Creek	331542	DENTAL/MEDICAL OFFICE BLDG	LAT EXT	400	10/28/2013	(870)	2,435,962
Middle Fork Beargrass Creek	13LE1144	SINGLE FAMILY 1329 ETAWAH AVE	LAT EXT	400	11/5/2013	(870)	2,435,092
Middle Fork Beargrass Creek	13LE1128	SINGLE FAMILY HOME 1327 ETAWAH AVE	LAT EXT	400	11/5/2013	(870)	2,434,222
Middle Fork Beargrass Creek	13LE1165	SINGLE FAMILY 8504 LORE LANE	LAT EXT	400	11/25/2013	(870)	2,433,352
Middle Fork Beargrass Creek	13LE1146	CITY OF ST MATTHEWS COMMUNITY CTR PARK RESTROOM	LAT EXT	1500	11/26/2013	(3,263)	2,430,089
Middle Fork Beargrass Creek	13LE1089	NICKLIES - ST MATTHEWS	LAT EXT	1920	12/11/2013	(4,176)	2,425,913
Middle Fork Beargrass Creek	353963	DORSEY COMMONS TRACTS 1, 2, 3	LAT EXT	1960	12/18/2013	(4,263)	2,421,650
Middle Fork Beargrass Creek	SC1082546	MAINTENANCE WORK FY14 JUL-DEC-MIDDLE FORK BEARGRAS	SCAPCREDIT		12/30/2013	91, 183	2,512,833
Middle Fork Beargrass Creek	352026	MCMAHAN PLAZA PHASE II BLDG B	LAT EXT	766	12/31/2013	(1,666)	2,511,167
Middle Fork Beargrass Creek	13LE1117	THE VININGS	LAT EXT	850	4/10/2014	(1,849)	2,509,318
Middle Fork Beargrass Creek	14LE1021	KODA KENTUCKY ORGAN DONOR AFFILIATES	LAT EXT	400	6/18/2014	(870)	2,508,448
Middle Fork Beargrass Creek	SC1082547	MAINTENANCE WORK FY14 JAN-JUN-MIDDLE FORK BEARGRAS	SCAPCREDIT		6/30/2014	4,404	2,511,982
Middle Fork Beargrass Creek	14LE1128	WALDORF SCHOOL OF LOUISVILLE	LAT EXT	400	6/30/2014	(870)	2,507,578
Middle Fork Beargrass Creek	13LE1163	FIRSTWATCH RESTAURANT	LAT EXT	925	7/17/2014	(2,012)	2,509,970
Middle Fork Beargrass Creek	14LE1114	Madison Station	LAT EXT	1640	7/17/2014	(3,567)	2,506,403
Middle Fork Beargrass Creek	356879	MARYHURST CAMPUS ADDITION	LAT EXT	1800	8/1/2014	(3,915)	2,502,488
Middle Fork Beargrass Creek	14LE1040	SFU-206 Wood Road	LAT EXT	400	8/18/2014	(870)	2,501,618
Middle Fork Beargrass Creek	354880	ADULT DAY CARE	LAT EXT	630	8/19/2014	(1,370)	2,500,248
Middle Fork Beargrass Creek	14LE1081	Woodlawn Center - Lot 2	LAT EXT	540	9/8/2014	(1,175)	2,499,073
Middle Fork Beargrass Creek	LE921312	Oxmoor Ford Car Wash	LAT EXT	2520	12/29/2014	(5,481)	2,493,592
Middle Fork Beargrass Creek	SC1082548	MAINTENANCE WORK FY15 JUL-DEC-MIDDLE FORK BEARGRAS	SCAPCREDIT		12/30/2014	3,664	2,497,256
Middle Fork Beargrass Creek	14LE1087	TOWNPLACE SUITES & HAMPTON INN	LAT EXT	16700	1/29/2015	(34, 148)	2,463,108
Middle Fork Beargrass Creek	SC1086201	FY14 GOOSE CREEK PLANTATION III REHABILITATION	SCAPCREDIT		2/10/2015	163,919	2,627,027
Middle Fork Beargrass Creek	SC1086179	CONTRACTED WORK FY14 - MIDDLE FORK	SCAPCREDIT		2/11/2015	15,043	2,642,070
Middle Fork Beargrass Creek	LE917106	ETSCORN - DAISEY LANE	LAT EXT	400	2/25/2015	(870)	2,641,200
Middle Fork Beargrass Creek	LE924108	City of Middletown City Hall	LAT EXT	400	5/13/2015	(870)	2,640,330
Middle Fork Beargrass Creek	SC1082549	MAINTENANCE WORK FY15 JAN-JUN-MIDDLE FORK BEARGRAS	SCAPCREDIT		6/30/2015	2,568	2,642,898
Middle Fork Beargrass Creek	LE943174	Single Family - 11707 Hazelwood Road	LAT EXT	400	6/30/2015	(870)	2,642,028
Middle Fork Beargrass Creek	LE943173	Single Family - 11707 Hazelwood Road	LAT EXT	400	6/30/2015	(870)	2,641,158
Middle Fork Beargrass Creek	LE927810	The Vinings Apartments	LAT EXT	38100	10/2/2015	(82,868)	2,558,290
Middle Fork Beargrass Creek	LE940742	LOUVINO	LAT EXT	1930	10/6/2015	(4,198)	2,554,092
Middle Fork Beargrass Creek	SC1082550	MAINTENANCE WORK FY16 JUL-DEC-MIDDLE FORK BEARGRAS	SCAPCREDIT		12/30/2015	15,216	2,569,308
Middle Fork Beargrass Creek	LE971036	Robson Park Splash Pad Bathroom	LAT EXT	400	2/4/2016	(870)	2,568,438
Middle Fork Beargrass Creek	LE969593	First Watch	LAT EXT	760	2/22/2016	(1,653)	2,566,785
Middle Fork Beargrass Creek	14LE1026	HIGHLANDS LATIN SCHOOL GYM ADDITION	LAT EXT	400	4/18/2016	(870)	2,565,915
Middle Fork Beargrass Creek	LE982217	Dropting Bird #12	LAT EXT	1600	5/9/2016	(3,480)	2,562,435
Middle Fork Beargrass Creek	LE939199	Westport Road Apartments	LAT EXT	62800	6/8/2016	(136,590)	2,425,845

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Middle Fork Beargrass Creek	LE972151	Baptist Hospital East ER Expansion	LAT EXT	1856	6/15/2016	(4,037)	2,421,808
Middle Fork Beargrass Creek	SC1082552	MAINTENANCE WORK FY16 JAN-JUN-MIDDLE FORK BEARGRAS	SCAPCREDIT		6/30/2016	3,573	2,425,381
Middle Fork Beargrass Creek	LE971405	Lyndon Lane Office Condos	LAT EXT	2652	8/30/2016	(5,768)	2,419,613
Middle Fork Beargrass Creek	LE987390	Oxmoor Park Condominiums	LAT EXT	1800	10/17/2016	(3,915)	2,415,698
Middle Fork Beargrass Creek	SC1003387	CONTRACTED WORK FY16 - MIDDLE FORK	SCAPCREDIT		10/18/2016	91,264	2,506,962
Middle Fork Beargrass Creek	SC1006194	CONTRACTED WORK FY15 - MIDDLE FORK	SCAPCREDIT		10/24/2016	3	2,506,965
Middle Fork Beargrass Creek	LE988129	Norton Women's & Kosair Children's Hospital	LAT EXT	1000	11/17/2016	(2,175)	2,504,790
Middle Fork Beargrass Creek	LE1009529	Single Family Residence - 12006 Brimley	LAT EXT	400	12/14/2016	(870)	2,503,920
Middle Fork Beargrass Creek	LE938563	The Padlock at Sawyer Park	LAT EXT	99800	12/20/2016	(217,065)	2,286,855
Middle Fork Beargrass Creek	SC1082554	MAINTENANCE WORK FY17 JUL-DEC-MIDDLE FORK BEARGRAS	SCAPCREDIT		12/30/2016	2,385	2,289,240
Middle Fork Beargrass Creek	LE1008219	BMW Certified Pre-Owned	LAT EXT	800	2/14/2017	(1,740)	2,287,500
Middle Fork Beargrass Creek	LE994524	Warwick Storage	LAT EXT	400	2/28/2017	(870)	2,286,630
Middle Fork Beargrass Creek	LE998280	North Hurstbourne Storage	LAT EXT	400	3/28/2017	(870)	2,285,760
Middle Fork Beargrass Creek	LE1005641	City of Anchorage Sewer Extension	LAT EXT	800	5/9/2017	(1,740)	2,284,020
Middle Fork Beargrass Creek	LE1005633	Louisville Family Chiropractor	LAT EXT	400	5/11/2017	(870)	2,283,150
Middle Fork Beargrass Creek	SC1082555	MAINTENANCE WORK FY17 JAN-JUN-MIDDLE FORK BEARGRAS	SCAPCREDIT		6/30/2017	3,799	2,286,949
Middle Fork Beargrass Creek	SC1107188	CONTRACTED WORK FY17 - MIDDLE FORK	SCAPCREDIT		6/30/2017	51,809	2,338,758
Middle Fork Beargrass Creek	SC1082557	MAINTENANCE WORK FY18 JUL-DEC-MIDDLE FORK BEARGRAS	SCAPCREDIT		12/30/2017	5,851	2,344,609
Middle Fork Beargrass Creek	LE1017531	526 & 528 Fountain Ave	LAT EXT	800	2/19/2018	(1,740)	2,342,869
Middle Fork Beargrass Creek	LE960134	ShelbyHurst Office - 805 Building	LAT EXT	9500	3/9/2018	(20,663)	2,322,206
Middle Fork Beargrass Creek	LE960135	ShelbyHurst Office - 815 Building	LAT EXT	5000	3/15/2018	(10,875)	2,311,331
Middle Fork Beargrass Creek	LE1032029	The Endcave at Douglas Hills Section 1	LAT EXT	27200	4/23/2018	(59,160)	2,252,171
Middle Fork Beargrass Creek	LE960133	ShelbyHurst Office - 435 Building	LAT EXT	7125	5/17/2018	(15,487)	2,236,674
Middle Fork Beargrass Creek	LE1055615	Bennett & Bloom Medical Office	LAT EXT	585	6/6/2018	(1,272)	2,235,402
Middle Fork Beargrass Creek	LE1041043	Single Family Unit (Lot 1)	LAT EXT	400	7/24/2018	(870)	2,234,532
Middle Fork Beargrass Creek	166053	616 & 618 FOUNTAIN AVE SIS	LAT EXT	400	9/7/2018	(870)	2,233,662
Middle Fork Beargrass Creek	LE1074826	Tri-Plex Apartments	LAT EXT	900	10/8/2018	(1,958)	2,231,704
Middle Fork Beargrass Creek	LE1085525	Brown Park	LAT EXT	400	1/15/2019	(870)	2,230,834
Middle Fork Beargrass Creek	SC1107196	CONTRACTED WORK FY19 - MIDDLE FORK	SCAPCREDIT		4/22/2019	1,476	2,232,310
Middle Fork Beargrass Creek	LE1082291	Taco Bell	LAT EXT	1100	5/29/2019	(2,393)	2,229,917
Middle Fork Beargrass Creek	LE1102470	Hurstbourne Town Center - Hyatt House Louisville E	LAT EXT	15275	7/1/2019	(33,223)	2,196,694
Middle Fork Beargrass Creek	LE1051776	Bluegrass Manor - Tract 2	LAT EXT	450	7/23/2019	(879)	2,195,715
Middle Fork Beargrass Creek	LE1024084	Morant Avenue Apartments	LAT EXT	62250	7/26/2019	(135,394)	2,060,321
Middle Fork Beargrass Creek	LE1020250	LFPL - Northeast Regional Library	LAT EXT	800	7/26/2019	(1,740)	2,058,581
Middle Fork Beargrass Creek	LE1039542	Meadowview - Breckenridge Lane	LAT EXT	2080	8/28/2019	(4,524)	2,054,057
Middle Fork Beargrass Creek	LE1083952	1700 Cold Spring Rd & 12004 Osage Rd	LAT EXT	800	11/4/2019	(1,740)	2,052,317
Middle Fork Beargrass Creek	LE1056406	Stewart Condos	LAT EXT	4500	12/2/2019	(9,788)	2,042,529



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CREDIT BASIN	APPLICATION	APPLICATION NAME	TYPE	FLOW	RELEASE DATE	APPROVED CREDIT REQUIRED OR FLOW REDUCTION	RUNNING TOTAL
Middle Fork Beargrass Creek	LE1104174	JAGGERS	LAT EXT	1460	1/30/2020	(3,176)	2,039,353
Middle Fork Beargrass Creek	LE1089288	Portland Christian School System Inc	LAT EXT	400	2/13/2020	(870)	2,038,483
Middle Fork Beargrass Creek	LE1059259	904 Browns Lane	LAT EXT	1600	4/24/2020	(3,480)	2,035,003
Middle Fork Beargrass Creek	LE1061684	Hurstbourne Town Center - Tract1	LAT EXT	54730	4/30/2020	(119,038)	1,903,533
Middle Fork Beargrass Creek	LE1093858	Hurstbourne Town Center - Tract 5 & 6	LAT EXT	5716	4/30/2020	(12,432)	2,022,571
Middle Fork Beargrass Creek	LE1102767	Parks - Herr Lane Office Building	LAT EXT	560	5/5/2020	(1,218)	1,902,315
Middle Fork Beargrass Creek	LE1104478	Breckridge Center	LAT EXT	4000	5/14/2020	(8,700)	1,893,615
Middle Fork Beargrass Creek	LE1082329	St. Luke's Episcopal Church	LAT EXT	920	6/5/2020	(2,001)	1,891,614
Middle Fork Beargrass Creek	LE1010450	Ormsby Lane Senior Apartments	LAT EXT	11900	8/28/2020	(25,883)	1,865,731
Middle Fork Beargrass Creek	LE1098358	Golden Retriever Rescue & Adoption	LAT EXT	400	9/11/2020	(870)	1,864,861
Middle Fork Beargrass Creek	LE1104887	Episcopal Home - Dudley Square Condominiums	LAT EXT	1300	9/28/2020	(2,828)	1,862,033
Middle Fork Beargrass Creek	LE1095667	4229 Taylorsville Road	LAT EXT	11200	10/5/2020	(24,360)	1,837,673
Middle Fork Beargrass Creek	LE1105277	Partridge Meadows New Maintenance and Laundry Bldg	LAT EXT	3200	11/9/2020	(6,960)	1,830,713
Middle Fork Beargrass Creek	LE1097560	North Hurstbourne Climate Controlled Storage	LAT EXT	400	2/1/2021	(870)	1,829,843
Middle Fork Beargrass Creek	LE1102535	Enclave at Warwick Village	LAT EXT	5100	11/22/2021	(11,083)	1,818,750
Middle Fork Beargrass Creek	LE1106282	Aspen Dental	LAT EXT	1395	12/2/2021	(3,034)	1,815,716
Middle Fork Beargrass Creek							1,815,716
Mill Creek	359380	CALENDAR 2005 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2005	12,000	12,000
Mill Creek	359381	CALENDAR 2007 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2007	24,000	36,000
Mill Creek	235668	MAINTENANCE WORK FY06 AUG-FY09 NOV - MILL CREEK	SCAPCREDIT		11/1/2008	51,530	87,530
Mill Creek	362942	MAINTENANCE WORK FY09A - MILL CREEK	SCAPCREDIT		12/31/2008	93	103,623
Mill Creek	359382	CALENDAR 2008 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2008	16,000	103,530
Mill Creek	362949	MAINTENANCE WORK FY09B - MILL CREEK	SCAPCREDIT		6/30/2009	1,507	105,130
Mill Creek	236614	DEVEROES	LAT EXT	960	9/9/2009	(2,088)	103,042
Mill Creek	362653	MAINTENANCE WORK FY10A - MILL CREEK	SCAPCREDIT		12/31/2009	25,272	160,314
Mill Creek	359383	CALENDAR 2009 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2009	32,000	135,042
Mill Creek	253866	KINGSFORD RETAIL CENTER	LAT EXT	480	1/6/2010	(1,044)	159,270
Mill Creek	238421	6840 DIXIE HWY OUTLOT	LAT EXT	2100	4/28/2010	(4,588)	154,702
Mill Creek	362658	MAINTENANCE WORK FY10B - MILL CREEK	SCAPCREDIT		6/30/2010	6,216	160,918
Mill Creek	259408	FAMILY DOLLAR 5105 DIXIE	LAT EXT	1200	7/2/2010	(2,610)	158,308
Mill Creek	264294	SAINT PETER THE APOSTLE CATHOL	LAT EXT	2000	7/23/2010	(4,350)	153,958
Mill Creek	276215	FAMILY DOLLAR - KRISTIN WAY	LAT EXT	400	10/12/2010	(870)	153,088
Mill Creek	362664	MAINTENANCE WORK FY11A - MILL CREEK	SCAPCREDIT		12/31/2010	22,745	187,833
Mill Creek	359325	CALENDAR 2010 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2010	8,000	165,088
Mill Creek	359384	CALENDAR 2010 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2010	4,000	157,088
Mill Creek	320916	FY11 SONNE AVE PS REHABILITATION	SCAPCREDIT		6/30/2011	120,800	308,633
Mill Creek	362671	MAINTENANCE WORK FY11B - MILL CREEK	SCAPCREDIT		6/30/2011	11,745	320,378

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CREDIT BASIN	APPLICATION	APPLICATION NAME	TYPE	FLOW	RELEASE DATE	APPROVED CREDIT REQUIRED OR FLOW REDUCTION	RUNNING TOTAL
Mill Creek	299399	FAMILY DOLLAR - GREENWOOD RD	LAT EXT	800	10/4/2011	(1,740)	318,638
Mill Creek	309018	PRP PERFORMING ARTS ADDITION	LAT EXT	1134	11/9/2011	(2,466)	316,172
Mill Creek	362676	MAINTENANCE WORK FY12A - MILL CREEK	SCAPCREDIT		12/31/2011	4,800	344,972
Mill Creek	359385	CALENDAR 2011 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2011	12,000	340,172
Mill Creek	359326	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	12,000	328,172
Mill Creek	318096	CRACKER BARREL OLD COUNTRY	LAT EXT	6000	1/19/2012	(13,050)	331,922
Mill Creek	SC1005678	CONTRACTED WORK FY12 - MILL CREEK	SCAPCREDIT		3/16/2012	22	331,944
Mill Creek	262545	DIXIE MANOR SHOPPING CENTER	LAT EXT	965	5/21/2012	(2,099)	329,845
Mill Creek	300374	FORT KNOX FEDERAL CREDIT UNION	LAT EXT	400	6/26/2012	(870)	328,975
Mill Creek	362980	MAINTENANCE WORK FY12B - MILL CREEK	SCAPCREDIT		6/30/2012	4,133	414,783
Mill Creek	361693	FY12 MILL CREEK REHAB	SCAPCREDIT		6/30/2012	81,675	410,650
Mill Creek	231900	PIONEER MOBILE HOME PARK	LAT EXT	11200	7/24/2012	(24,360)	390,423
Mill Creek	237457	WAVERLY HILLS	LAT EXT	400	9/18/2012	(870)	389,553
Mill Creek	341883	NHK SPRING PRECISION	LAT EXT	17800	10/19/2012	(38,715)	350,838
Mill Creek	334997	BEECHLAND BAPTIST CHURCH	LAT EXT	2715	12/5/2012	(5,905)	344,933
Mill Creek	359386	CALENDAR 2012 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2012	4,000	519,929
Mill Creek	362685	MAINTENANCE WORK FY13A - MILL CREEK	SCAPCREDIT		12/31/2012	22,996	515,929
Mill Creek	359327	CALENDAR 2012 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2012	148,000	492,933
Mill Creek	343763	SOUTHEAST CHRISTIAN CHURCH SW	LAT EXT	6000	1/18/2013	(13,050)	506,879
Mill Creek	224875	ASHBY GREEN APARTMENT HOMES	LAT EXT	36400	3/20/2013	(79,170)	427,709
Mill Creek	265944	RIVERPORT PHASE 4A - MICHELIN	LAT EXT	400	6/6/2013	(870)	426,839
Mill Creek	SC1082559	MAINTENANCE WORK FY13 JAN-JUN-MILL CREEK	SCAPCREDIT		6/30/2013	32,425	459,264
Mill Creek	314887	DAYTON FREIGHT	LAT EXT	1200	9/10/2013	(2,610)	456,654
Mill Creek	13LE1014	LOUISVILLE FREE PUBLIC LIBRARY SOUTHWEST	LAT EXT	2400	9/26/2013	(5,220)	451,434
Mill Creek	357140	FAMILY DOLLAR CANE RUN ROAD	LAT EXT	832	10/3/2013	(1,810)	449,624
Mill Creek	SC1082560	MAINTENANCE WORK FY14 JUL-DEC-MILL CREEK	SCAPCREDIT		12/30/2013	11,451	461,075
Mill Creek	13LE1007	Cane Run Generating Station	LAT EXT	495	1/3/2014	(1,077)	459,998
Mill Creek	13LE1171	SINGLE FAMILY HOME 3700 ROMANIA DR	LAT EXT	400	1/29/2014	(870)	459,128
Mill Creek	SC1082562	MAINTENANCE WORK FY14 JAN-JUN-MILL CREEK	SCAPCREDIT		6/30/2014	7,753	466,881
Mill Creek	14LE1120	Shively Center - Additional Office Space	LAT EXT	400	7/23/2014	(870)	466,011
Mill Creek	14LE1124	Raising Canes - 5212 Dixie Highway	LAT EXT	1400	8/18/2014	(3,045)	462,966
Mill Creek	14LE1075	Global Drive Warehouse Addition	LAT EXT	1200	9/15/2014	(2,610)	460,356
Mill Creek	14LE1171	Planet Fitness	LAT EXT	3400	9/16/2014	(7,395)	452,961
Mill Creek	14LE1164	Nair Office Building Expansion	LAT EXT	795	11/25/2014	(1,729)	451,232
Mill Creek	SC1082563	MAINTENANCE WORK FY15 JUL-DEC-MILL CREEK	SCAPCREDIT		12/30/2014	4,491	455,723
Mill Creek	SC1005536	FY13 ROSA TERRACE III REHABILITATION	SCAPCREDIT		3/10/2015	156,635	612,358
Mill Creek	SC1082564	MAINTENANCE WORK FY15 JAN-JUN-MILL CREEK	SCAPCREDIT		6/30/2015	4,861	616,349



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Mill Creek	LE941671	Key Oil	LAT EXT	400	6/30/2015	(870)	611,488
Mill Creek	SC1003690	CONTRACTED WORK FY15 - MILL CREEK	SCAPCREDIT		7/31/2015	58	616,407
Mill Creek	LE937142	ZAXBYS DIXIE HWY	LAT EXT	924	8/10/2015	(2,010)	614,397
Mill Creek	LE945721	Thorntons Convenience Store/Gas Station	LAT EXT	1000	10/5/2015	(2,175)	612,222
Mill Creek	LE938172	Misa Metals	LAT EXT	400	10/5/2015	(870)	611,352
Mill Creek	LE947311	Chick-fil-A	LAT EXT	1500	10/28/2015	(3,263)	608,089
Mill Creek	LE959150	Misa Metals Processing Warehouse Expansion	LAT EXT	1000	11/23/2015	(2,175)	605,914
Mill Creek	LE942389	Restaurant - 6900 Dixie Highway	LAT EXT	860	12/14/2015	(1,871)	604,043
Mill Creek	SC1082565	MAINTENANCE WORK FY16 JUL-DEC-MILL CREEK	SCAPCREDIT		12/30/2015	6,682	610,735
Mill Creek	LE971379	Discount Tires	LAT EXT	400	2/22/2016	(870)	609,865
Mill Creek	LE955021	Thorntons - 4136 Cane Run Road	LAT EXT	1000	5/9/2016	(2,175)	598,555
Mill Creek	LE967622	1719 Leroy Ave. Town Homes	LAT EXT	4200	5/9/2016	(9,135)	600,730
Mill Creek	SC1082566	MAINTENANCE WORK FY16 JAN-JUN-MILL CREEK	SCAPCREDIT		6/30/2016	3,523	602,078
Mill Creek	LE944727	Britz Deer Hollow Lane	LAT EXT	800	7/28/2016	(1,740)	600,338
Mill Creek	SC1082567	MAINTENANCE WORK FY17 JUL-DEC-MILL CREEK	SCAPCREDIT		12/30/2016	12,857	613,195
Mill Creek	SC1107184	CONTRACTED WORK FY17 - MILL CREEK	SCAPCREDIT		2/20/2017	11	613,206
Mill Creek	LE978336	Blue Iguana Car Wash	LAT EXT	20217	4/7/2017	(43,972)	569,234
Mill Creek	SC1082568	MAINTENANCE WORK FY17 JAN-JUN-MILL CREEK	SCAPCREDIT		6/30/2017	5,103	574,337
Mill Creek	LE991553	Greenwood Plaza	LAT EXT	1256	10/19/2017	(2,732)	571,605
Mill Creek	LE1025905	RussTech, Inc	LAT EXT	875	11/13/2017	(1,903)	569,702
Mill Creek	SC1082569	MAINTENANCE IWORK FY18 JUL-DEC-MILL CREEK	SCAPCREDIT		12/30/2017	27,283	596,985
Mill Creek	LE988760	Algood Food Company Warehouse	LAT EXT	750	3/8/2018	(1,631)	595,364
Mill Creek	LE1049057	Advanced ENT	LAT EXT	705	5/15/2018	(1,533)	593,831
Mill Creek	LE953375	1105 Dorsey Lane	LAT EXT	10300	4/10/2019	(22,403)	571,428
Mill Creek	LE1041776	Terry Road Gas & Retail	LAT EXT	788	4/12/2019	(1,714)	569,714
Mill Creek	LE1039415	Delcour Multi-Family Apartments	LAT EXT	60400	10/31/2019	(131,370)	438,344
Mill Creek							438,344
Northern Ditch	359404	CALENDAR 2007 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2007	28,000	28,000
Northern Ditch	235569	MAINTENANCE WORK FY06 AUG-FY09 NOV - NORTHERN DIT	SCAPCREDIT		11/1/2008	11,147	39,147
Northern Ditch	236363	FY09 NORTHERN DITCH INT REHAB PH1	SCAPCREDIT		11/25/2008	108,760	147,907
Northern Ditch	SC1011338	MAINTENANCE WORK FY09A - NORTHERN DITCH	SCAPCREDIT		12/31/2008	11	147,918
Northern Ditch	SC1011339	MAINTENANCE WORK FY09B - NORTHERN DITCH	SCAPCREDIT		6/30/2009	1,884	149,802
Northern Ditch	SC1011340	MAINTENANCE WORK FY10A - NORTHERN DITCH	SCAPCREDIT		12/31/2009	1,177	154,979
Northern Ditch	359339	CALENDAR 2009 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2009	4,000	153,802
Northern Ditch	234678	THE LIGHTHOUSE PROMISE COMPLEX	LAT EXT	2825	3/5/2010	(6,144)	148,835
Northern Ditch	SC1011343	MAINTENANCE WORK FY10B - NORTHERN DITCH	SCAPCREDIT		6/30/2010	2,532	151,367
Northern Ditch	284728	SUBWAY - NEW CUT RD	LAT EXT	1314	12/21/2010	(2,858)	148,509

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Northern Ditch	359340	CALENDAR 2010 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2010	4,000	154,965
Northern Ditch	SC1011344	MAINTENANCE WORK FY11A - NORTHERN DITCH	SCAPCREDIT		12/31/2010	2,456	150,965
Northern Ditch	320908	FY11 PARKVIEW ESTATES REHABILITATION	SCAPCREDIT		6/28/2011	36	155,001
Northern Ditch	SC1011345	MAINTENANCE WORK FY11B - NORTHERN DITCH	SCAPCREDIT		6/30/2011	1,989	156,990
Northern Ditch	312810	WILLOW PLACE APT COMMUNITY GEN	LAT EXT	400	11/11/2011	(870)	156,120
Northern Ditch	SC1011346	MAINTENANCE WORK FY12A - NORTHERN DITCH	SCAPCREDIT		12/31/2011	911	183,031
Northern Ditch	359405	CALENDAR 2011 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2011	12,000	192,120
Northern Ditch	359341	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	24,000	180,120
Northern Ditch	315723	JCPS EARLY CHILDHOOD DEVELOP	LAT EXT	6000	1/26/2012	(13,050)	179,981
Northern Ditch	312057	DOLLAR GENERAL - MEDALLION CT	LAT EXT	400	3/21/2012	(870)	179,111
Northern Ditch	SC1011336	MAINTENANCE WORK FY12B - NORTHERN DITCH	SCAPCREDIT		6/30/2012	7,883	187,004
Northern Ditch	312859	KROGER L-350 FUEL STATION	LAT EXT	400	8/20/2012	(870)	186,134
Northern Ditch	359343	CALENDAR 2012 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2012	24,000	214,373
Northern Ditch	14SC1004	MAINTENANCE WORK FY13A - NORTHERN DITCH	SCAPCREDIT		12/31/2012	4,239	190,373
Northern Ditch	SC1082570	MAINTENANCE WORK FY13 JAN-JUN-NORTH DITCH	SCAPCREDIT		6/30/2013	6,459	220,832
Northern Ditch	13LE1147	CARLON ROOFING	LAT EXT	992	12/5/2013	(2,158)	218,674
Northern Ditch	13LE1126	JENNINGS CROSSING TRACT 3	LAT EXT	2100	12/12/2013	(4,568)	214,106
Northern Ditch	SC1082571	MAINTENANCE WORK FY14 JUL-DEC-NORTH DITCH	SCAPCREDIT		12/30/2013	2,707	216,813
Northern Ditch	SC1082572	MAINTENANCE WORK FY14 JAN-JUN-NORTH DITCH	SCAPCREDIT		6/30/2014	9,044	225,857
Northern Ditch	SC1006180	CONTRACTED WORK FY14 - NORTHERN DITCH	SCAPCREDIT		10/21/2014	5	225,862
Northern Ditch	14LE1065	Jennings Crossings Tracts 1 & 2	LAT EXT	1440	12/29/2014	(3,132)	221,860
Northern Ditch	14LE1136	Single Family - 5220 Petersburg Road	LAT EXT	400	12/29/2014	(870)	224,992
Northern Ditch	SC1082573	MAINTENANCE WORK FY15 JUL-DEC-NORTH DITCH	SCAPCREDIT		12/30/2014	8,330	230,190
Northern Ditch	LE916332	Trei Louisville - HVAC Distributors	LAT EXT	4225	5/20/2015	(9,189)	221,001
Northern Ditch	SC1082575	MAINTENANCE WORK FY15 JAN-JUN-NORTH DITCH	SCAPCREDIT		6/30/2015	5,564	226,565
Northern Ditch	LE947316	Heimbrock I	LAT EXT	400	8/14/2015	(870)	224,825
Northern Ditch	LE947318	Heimbrock II	LAT EXT	400	8/14/2015	(870)	225,695
Northern Ditch	SC1082576	MAINTENANCE WORK FY16 JUL-DEC-NORTH DITCH	SCAPCREDIT		12/30/2015	6,074	230,899
Northern Ditch	LE968510	Hugh Ave. Warehouse	LAT EXT	400	1/5/2016	(870)	230,029
Northern Ditch	SC1082577	MAINTENANCE WORK FY16 JAN-JUN-NORTH DITCH	SCAPCREDIT		6/30/2016	5,519	235,548
Northern Ditch	LE978344	Townplace Suites	LAT EXT	9500	11/7/2016	(20,663)	214,885
Northern Ditch	SC1082578	MAINTENANCE WORK FY17 JUL-DEC-NORTH DITCH	SCAPCREDIT		12/30/2016	9,266	224,151
Northern Ditch	SC1082579	MAINTENANCE WORK FY17 JAN-JUN-NORTH DITCH	SCAPCREDIT		6/30/2017	6,441	230,592
Northern Ditch	SC1082580	MAINTENANCE WORK FY18 JUL-DEC-NORTH DITCH	SCAPCREDIT		12/30/2017	7,810	238,402
Northern Ditch	LE1042541	5051 Poplar Level	LAT EXT	7600	4/9/2018	(16,530)	221,872
Northern Ditch	LE1053453	Durrett Lane & Preston Highway Convenience Store/G	LAT EXT	1880	8/28/2018	(4,089)	217,783
Northern Ditch	LE1056400	Thomas Car Wash	LAT EXT	4670	10/10/2018	(10,157)	207,626



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Northern Ditch	LE1032761	TRACKSIDE at Churchill Downs	LAT EXT	13400	10/22/2018	(29,145)	178,481
Northern Ditch	SC1107198	CONTRACTED WORK FY19 - NORTHERN DITCH	SCAPCREDIT		6/18/2019	14,321	192,802
Northern Ditch							192,802
Ohio River FM	359433	CALENDAR 2007 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2007	56,000	60,000
Ohio River FM	359344	CALENDAR 2007 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2007	4,000	4,000
Ohio River FM	235572	MAINTENANCE WORK FY06 AUG-FY09 NOV - ORFM	SCAPCREDIT		11/1/2008	19,826	79,826
Ohio River FM	362843	MAINTENANCE WORK FY09A - ORFM	SCAPCREDIT		12/31/2008	2	79,828
Ohio River FM	362850	MAINTENANCE WORK FY09B - ORFM	SCAPCREDIT		6/30/2009	3,835	83,663
Ohio River FM	362854	MAINTENANCE WORK FY10A - ORFM	SCAPCREDIT		12/31/2009	7,330	90,993
Ohio River FM	263548	SINGLE FAMILY CONNECTION	LAT EXT	400	5/18/2010	(870)	90,123
Ohio River FM	213488	NORTHEAST CHRISTIAN CHURCH	LAT EXT	10000	6/28/2010	(21,750)	68,373
Ohio River FM	362860	MAINTENANCE WORK FY10B - ORFM	SCAPCREDIT		6/30/2010	6,773	75,146
Ohio River FM	254919	TRILOGY HEALTH SERVICES, LLC	LAT EXT	8200	8/30/2010	(17,835)	57,311
Ohio River FM	362865	MAINTENANCE WORK FY11A - ORFM	SCAPCREDIT		12/31/2010	181	57,492
Ohio River FM	362872	MAINTENANCE WORK FY11B - ORFM	SCAPCREDIT		6/30/2011	4,139	61,631
Ohio River FM	280837	SPRINGHURST TOWNE CTR LOT C	LAT EXT	400	9/20/2011	(870)	60,761
Ohio River FM	320920	FY11 SHADOW WOOD J/I REHABILITATION	SCAPCREDIT		9/30/2011	14,279	75,040
Ohio River FM	311412	SPRINGHURST CHEVROLET	LAT EXT	855	10/14/2011	(1,860)	73,180
Ohio River FM	362877	MAINTENANCE WORK FY12A - ORFM	SCAPCREDIT		12/31/2011	7,268	112,448
Ohio River FM	359345	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	16,000	105,180
Ohio River FM	359434	CALENDAR 2011 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2011	16,000	89,180
Ohio River FM	320921	FY12 DERINGTON COURT J/I REHABILITATION	SCAPCREDIT		3/1/2012	56,208	168,656
Ohio River FM	187028	GLENVIEW PARK SUBD SECTION 1	LAT EXT	4400	3/5/2012	(9,570)	146,906
Ohio River FM	213450	GLENVIEW PARK SUB, SEC 2	LAT EXT	5600	3/5/2012	(12,180)	156,476
Ohio River FM	322455	FIRST LADY NAILS	LAT EXT	400	3/12/2012	(870)	146,036
Ohio River FM	SC1011315	MAINTENANCE WORK FY12B - ORFM	SCAPCREDIT		6/30/2012	19,941	185,918
Ohio River FM	362881	MAINTENANCE WORK FY12B - ORFM	SCAPCREDIT		6/30/2012	19,941	165,977
Ohio River FM	292239	SPRINGHURST RESTAURANT/ RETAIL	LAT EXT	3440	7/5/2012	(7,482)	178,436
Ohio River FM	323821	TIRE DISCOUNTERS WESTPORT RD	LAT EXT	400	12/11/2012	(870)	177,566
Ohio River FM	363238	FY13 PROSPECT MANHOLE REHAB	SCAPCREDIT		12/18/2012	72,703	247,605
Ohio River FM	341319	RAISING CANES RETAIL CENTER	LAT EXT	1225	12/18/2012	(2,664)	174,902
Ohio River FM	363235	FY13 MUDDY FORK MH REHAB	SCAPCREDIT		12/31/2012	41,663	314,419
Ohio River FM	359346	CALENDAR 2012 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2012	24,000	272,766
Ohio River FM	362886	MAINTENANCE WORK FY13A - ORFM	SCAPCREDIT		12/31/2012	1,161	248,766
Ohio River FM	322458	KROGER L-707 STORE EXPANSION	LAT EXT	400	3/12/2013	(870)	313,549
Ohio River FM	360262	SINGLE FAMILY 3419 HILLVALE RD	LAT EXT	400	5/13/2013	(870)	312,679
Ohio River FM	343729	RETAIL & RESTAURANT	LAT EXT	3500	6/21/2013	(7,613)	305,066

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Ohio River FM	SC1082581	MAINTENANCE WORK FY13 JAN-JUN-OHIO RIVER FORCE MAI	SCAPCREDIT		6/30/2013	279	305,345
Ohio River FM	13LE1145	SINGLE FAMILY 3930 1/2 OLD BROWNSBORO RD	LAT EXT	400	11/5/2013	(870)	304,475
Ohio River FM	334154	GLENVIEW PARK SUBD SEC 4	LAT EXT	3600	11/7/2013	(7,830)	296,645
Ohio River FM	13LE1161	Single Family Residence 3221 Woodside Rd	LAT EXT	400	11/20/2013	(870)	295,775
Ohio River FM	SC1082582	MAINTENANCE WORK FY14 JUL-DEC-OHIO RIVER FORCE MAI	SCAPCREDIT		12/30/2013	1,302	297,077
Ohio River FM	13LE1024	Overlook at Beech Spring Farm Sec 4	LAT EXT	5600	12/31/2013	(12,180)	284,897
Ohio River FM	199886	SPRINGDALE OFFICE BUILDING	LAT EXT	4210	3/11/2014	(9,157)	275,740
Ohio River FM	352080	DRURY INN	LAT EXT	11508	5/13/2014	(25,030)	250,710
Ohio River FM	225963	SPRING FARM LAKES SEC 1	LAT EXT	4800	5/16/2014	(10,440)	240,270
Ohio River FM	SC1082583	MAINTENANCE WORK FY14 JAN-JUN-OHIO RIVER FORCE MAI	SCAPCREDIT		6/30/2014	1,293	241,563
Ohio River FM	177756	SUMMIT GARDENS PHASE 1	LAT EXT	32000	9/22/2014	(69,600)	171,963
Ohio River FM	14LE1121	Riverside Sewer Extension	LAT EXT	1200	11/10/2014	(2,610)	169,353
Ohio River FM	SC1082584	MAINTENANCE WORK FY15 JUL-DEC-OHIO RIVER FORCE MAI	SCAPCREDIT		12/30/2014	4,394	173,747
Ohio River FM	SC1006181	CONTRACTED WORK FY14 - ORFM	SCAPCREDIT		12/31/2014	1,654	175,401
Ohio River FM	13LE1071	SPRING FARM LAKE SEC 2	LAT EXT	6000	1/16/2015	(13,050)	162,351
Ohio River FM	352634	BAUER PROPERTY	LAT EXT	2920	2/12/2015	(6,351)	156,000
Ohio River FM	SC1082585	MAINTENANCE WORK FY15 JAN-JUN-OHIO RIVER FORCE MAI	SCAPCREDIT		6/30/2015	2,547	158,547
Ohio River FM	SC983704	FY13 PROSPECT I&I REHABILITATION - PHASE 1A	SCAPCREDIT		7/12/2015	1,034,758	1,193,305
Ohio River FM	SC1003730	FY15 RIVER ROAD I/I REMEDIATION	SCAPCREDIT		8/5/2015	120,418	1,313,723
Ohio River FM	LE929244	Summit Gardens Phase 2	LAT EXT	18000	10/21/2015	(39,150)	1,274,573
Ohio River FM	SC1006195	CONTRACTED WORK FY15 - ORFM	SCAPCREDIT		11/19/2015	1	1,274,574
Ohio River FM	LE938186	Spring Farm Lake Section 3	LAT EXT	3200	12/14/2015	(6,960)	1,267,614
Ohio River FM	SC1082586	MAINTENANCE WORK FY16 JUL-DEC-OHIO RIVER FORCE MAI	SCAPCREDIT		12/30/2015	1,478	1,269,092
Ohio River FM	LE950063	Panda Express - 10800 Westport Road	LAT EXT	2000	4/6/2016	(4,350)	1,264,742
Ohio River FM	SC1082587	MAINTENANCE WORK FY16 JAN-JUN-OHIO RIVER FORCE MAI	SCAPCREDIT		6/30/2016	460	1,265,373
Ohio River FM	SC1082589	MAINTENANCE WORK FY17 JUL-DEC-OHIO RIVER FORCE MAI	SCAPCREDIT		6/30/2016	3,171	1,267,913
Ohio River FM	SC1003696	CONTRACTED WORK FY16 - ORFM	SCAPCREDIT		8/10/2016	17,566	1,285,939
Ohio River FM	SC1003728	FY16 PROSPECT I&I REHABILITATION - PHASE 1B	SCAPCREDIT		10/6/2016	199,036	1,484,975
Ohio River FM	LE923204	Indian Springs Hotel	LAT EXT	13000	11/16/2016	(28,275)	1,456,700
Ohio River FM	SC1082590	MAINTENANCE WORK FY17 JAN-JUN-OHIO RIVER FORCE MAI	SCAPCREDIT		6/30/2017	1,630	1,458,330
Ohio River FM	SC1082592	MAINTENANCE WORK FY18 JUL-DEC-OHIO RIVER FORCE MAI	SCAPCREDIT		12/30/2017	3,330	1,461,660
Ohio River FM	SC1107187	CONTRACTED WORK FY18 - ORFM	SCAPCREDIT		6/20/2018	656	1,462,316
Ohio River FM	SC1107194	CONTRACTED WORK FY19 - ORFM	SCAPCREDIT		7/30/2019	32,673	1,494,989
Ohio River FM	LE997630	QSR Automations, Inc.	LAT EXT	3300	9/12/2019	(7,178)	1,487,811
Ohio River FM	LE971285	Clyscap - Simcoe Lane	LAT EXT	66700	12/6/2019	(145,073)	1,342,738
Ohio River FM	LE937450	Poplar Hill Place	LAT EXT	4000	6/16/2020	(8,700)	1,334,038
Ohio River FM	LE1056413	Schuhmann - Blankenbaker Lane	LAT EXT	800	10/14/2021	(1,740)	1,332,298



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Ohio River FM							1,332,298
Pond Creek	235574	MAINTENANCE WORK FY06AUG-FY09 NOV - POND CREEK	SCAPCREDIT		11/1/2008	71,782	71,782
Pond Creek	359347	CALENDAR 2008 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2008	4,000	81,695
Pond Creek	359438	CALENDAR 2008 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2008	4,000	77,695
Pond Creek	SC1011298	MAINTENANCE WORK FY08A - POND CREEK	SCAPCREDIT		12/31/2008	1,913	73,695
Pond Creek	SC1011299	MAINTENANCE WORK FY08B - POND CREEK	SCAPCREDIT		6/30/2009	6,403	88,098
Pond Creek	359348	CALENDAR 2009 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2009	4,000	126,435
Pond Creek	SC1011305	MAINTENANCE WORK FY10A - POND CREEK	SCAPCREDIT		12/31/2009	22,337	122,435
Pond Creek	359439	CALENDAR 2009 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2009	12,000	100,098
Pond Creek	192513	BANNON CROSSINGS SECTION 3A-1	LAT EXT	800	2/17/2010	(1,740)	124,695
Pond Creek	219734	DSL LIFE LONG LEARNING CENTER	LAT EXT	900	3/26/2010	(1,958)	122,737
Pond Creek	281115	EMERGENCY RESTORATION	LAT EXT	400	4/27/2010	(870)	121,867
Pond Creek	SC1011307	MAINTENANCE WORK FY10B - POND CREEK	SCAPCREDIT		6/30/2010	11,060	132,927
Pond Creek	276977	DADISMAN BUILDERS-POPLAR TREE	LAT EXT	400	10/13/2010	(870)	132,057
Pond Creek	286833	THORNTONS @ PRESTON HWY	LAT EXT	400	12/1/2010	(870)	131,187
Pond Creek	280751	NOTTINGTON HILLS SEC 1	LAT EXT	4400	12/29/2010	(9,570)	121,617
Pond Creek	359350	CALENDAR 2010 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2010	12,000	153,390
Pond Creek	SC1011308	MAINTENANCE WORK FY11A - POND CREEK	SCAPCREDIT		12/31/2010	19,773	141,390
Pond Creek	187739	GLENGARRY INDUSTRIAL PARK	LAT EXT	4300	1/13/2011	(9,353)	144,037
Pond Creek	277777	TIRE DISCOUNTERS - BOERSTE WAY	LAT EXT	2960	3/21/2011	(6,438)	137,599
Pond Creek	SC1011309	MAINTENANCE WORK FY11B - POND CREEK	SCAPCREDIT		6/30/2011	10,562	148,161
Pond Creek	304408	UPS SUPPLY CHAIN SOLUTIONS #7	LAT EXT	2250	9/14/2011	(4,894)	143,267
Pond Creek	320918	FY12 EDESEL III REHABILITATION	SCAPCREDIT		9/27/2011	106,700	249,967
Pond Creek	313444	PLANET FITNESS - JEFF BLVD	LAT EXT	1600	11/4/2011	(3,480)	246,487
Pond Creek	312391	LONGHORN STEAKHOUSE RESTAURANT	LAT EXT	4840	11/29/2011	(10,527)	235,960
Pond Creek	320919	FY12 LANTANA III REHABILITATION	SCAPCREDIT		12/29/2011	5,000	240,960
Pond Creek	SC1011310	MAINTENANCE WORK FY12A - POND CREEK	SCAPCREDIT		12/31/2011	5,380	266,340
Pond Creek	359351	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	20,000	260,960
Pond Creek	310845	ZAXBY'S RESTAURANT	LAT EXT	3750	2/28/2012	(6,156)	258,184
Pond Creek	255044	ISA-RECYCLING CENTER	LAT EXT	400	3/13/2012	(870)	257,314
Pond Creek	312814	MILLER TRANSPORTATION	LAT EXT	1800	3/19/2012	(3,915)	253,399
Pond Creek	324554	NORTONS TEMPORARY OFFICE	LAT EXT	900	4/16/2012	(1,958)	251,441
Pond Creek	234102	ETHOS AT VALLEY FARM SR LIVING	LAT EXT	7050	6/19/2012	(15,334)	236,107
Pond Creek	322367	SHEPHERDS CARE MEMORY HOME	LAT EXT	2000	6/21/2012	(4,350)	231,757
Pond Creek	SC1011313	MAINTENANCE WORK FY12B - POND CREEK	SCAPCREDIT		6/30/2012	3,877	235,634
Pond Creek	307332	LOUISVILLE INDUSTRIAL BLDG B	LAT EXT	2520	8/6/2012	(5,481)	230,153
Pond Creek	SC1005684	CONTRACTED WORK FY12 - POND CREEK	SCAPCREDIT		8/10/2012	3,812	233,965

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Pond Creek	279860	BANNON CROSSINGS SEC 3B-2	LAT EXT	9600	8/10/2012	(20,880)	213,085
Pond Creek	312053	DOLLAR GENERAL - CLEARWATER FA	LAT EXT	400	8/13/2012	(870)	212,215
Pond Creek	343455	SINGLE FAMILY 1812 GREYLING DR	LAT EXT	400	10/12/2012	(870)	211,345
Pond Creek	243109	OVERBROOK APARTMENTS	LAT EXT	41200	11/9/2012	(89,610)	121,735
Pond Creek	145C1005	MAINTENANCE WORK FY13A - POND CREEK	SCAPCREDIT		12/31/2012	25,984	203,719
Pond Creek	359354	CALENDAR 2012 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2012	56,000	177,735
Pond Creek	329824	COPART	LAT EXT	400	2/20/2013	(870)	202,849
Pond Creek	348982	SOUTHGATE BUSINESS CTR RETAIL	LAT EXT	2060	4/15/2013	(4,481)	198,368
Pond Creek	346082	ZAXBYS	LAT EXT	2065	5/2/2013	(4,491)	193,877
Pond Creek	SC1082593	MAINTENANCE WORK FY13 JAN-JUN-POND CREEK	SCAPCREDIT		6/30/2013	41,995	235,872
Pond Creek	335385	HARRISON LOW PRESSURE S/S	LAT EXT	1600	7/2/2013	(3,480)	232,392
Pond Creek	SC1005534	FY13 PICADILLY III REHABILITATION	SCAPCREDIT		7/12/2013	187,564	419,956
Pond Creek	320940	4 RESIDENCE SFU 7821 MANSLUK	LAT EXT	400	8/16/2013	(870)	419,086
Pond Creek	SC1005538	CONTRACTED WORK FY13 - POND CREEK	SCAPCREDIT		8/27/2013	18,958	438,044
Pond Creek	361336	RENAISSANCE SOUTH BUSINESS	LAT EXT	540	9/6/2013	(1,175)	435,999
Pond Creek	324886	PNC BANK	LAT EXT	400	9/6/2013	(870)	437,174
Pond Creek	13LE1083	SINGLE FAMILY HOME 5402 (H) E MANSLUK RD	LAT EXT	400	9/26/2013	(870)	435,129
Pond Creek	331546	BLAIR JEFFERSON BLVD	LAT EXT	3500	10/7/2013	(7,613)	427,516
Pond Creek	SC1005319	FY13 FEGENBUSH III REHABILITATION	SCAPCREDIT		11/12/2013	226,201	653,717
Pond Creek	353125	PEGASUS TRANSPORTATION	LAT EXT	250	12/9/2013	(644)	653,173
Pond Creek	308206	APPLIGATE FARMS	LAT EXT	57200	12/10/2013	(124,410)	480,478
Pond Creek	341439	PRESTON GARDENS APTS	LAT EXT	22200	12/10/2013	(48,285)	604,888
Pond Creek	SC1082594	MAINTENANCE WORK FY14 JUL-DEC-POND CREEK	SCAPCREDIT		12/30/2013	19,491	489,969
Pond Creek	13LE1179	TIMBERBEND SUBDIVISION SEC 5B	LAT EXT	6400	2/14/2014	(13,920)	486,049
Pond Creek	13LE1035	RENAISSANCE SOUTH BUSINESS PARK TRACT 4	LAT EXT	5415	4/10/2014	(11,778)	474,271
Pond Creek	13LE1115	VERZON-OUTER LOOP	LAT EXT	400	4/22/2014	(870)	473,401
Pond Creek	348014	ASHTON PARK TOWN HOMES	LAT EXT	9000	4/24/2014	(19,575)	453,826
Pond Creek	280180	LOUISVILLE INDUSTRIAL CTR F	LAT EXT	2480	5/16/2014	(5,394)	448,432
Pond Creek	14LE1085	Williams Properties - Self Storage Facility	LAT EXT	400	5/28/2014	(870)	447,562
Pond Creek	13LE1034	6300 GEIL LANE WAREHOUSE	LAT EXT	720	6/9/2014	(1,566)	445,996
Pond Creek	14LE1052	Stor-All Fairdale	LAT EXT	400	6/12/2014	(870)	445,126
Pond Creek	SC1082595	MAINTENANCE WORK FY14 JAN-JUN-POND CREEK	SCAPCREDIT		6/30/2014	14,457	459,583
Pond Creek	284215	HURSTBOURNE POINTE APTS	LAT EXT	9600	7/7/2014	(20,880)	438,703
Pond Creek	344230	AUSTIN PARK APARTMENTS PH6	LAT EXT	27600	8/25/2014	(60,030)	378,673
Pond Creek	14LE1177	Valley Farm Subd.	LAT EXT	0	8/29/2014	-	378,673
Pond Creek	13LE1105	JEFFERSON COMMONS	LAT EXT	17075	11/13/2014	(37,138)	341,535
Pond Creek	SC1005323	FY13 FERN CREEK III REHABILITATION	SCAPCREDIT		11/18/2014	551,108	892,643



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Pond Creek	SC1082596	MAINTENANCE WORK FY15 JUL-DEC-POND CREEK	SCAPCREDIT		12/30/2014	26,095	918,738
Pond Creek	13LE1017	APEX ON PRESTON APT HOMES[Formerly CITYSCAPE APTS	LAT EXT	84400	1/13/2015	(183,570)	735,168
Pond Creek	14LE1145	Murphy USA - Outer Loop	LAT EXT	2000	2/6/2015	(4,350)	730,818
Pond Creek	SC1005541	FY13 STONY BROOK // REHABILITATION	SCAPCREDIT		3/10/2015	345,397	1,076,215
Pond Creek	SC985942	FY13 CAVENAVE // REHABILITATION	SCAPCREDIT		3/11/2015	225,645	1,301,860
Pond Creek	354209	COOPER FARMS SEC 11A	LAT EXT	13200	4/29/2015	(28,710)	1,246,180
Pond Creek	354207	COOPER FARMS SEC 11B	LAT EXT	12400	4/29/2015	(28,970)	1,274,890
Pond Creek	LE939897	Thomsons - 8405 National Turnpike	LAT EXT	1000	5/14/2015	(2,175)	1,244,005
Pond Creek	SC1082597	MAINTENANCE WORK FY15 JAN-JUN-POND CREEK	SCAPCREDIT		6/30/2015	10,279	1,254,284
Pond Creek	LE946692	Jim's Express Wash	LAT EXT	10500	7/28/2015	(22,838)	1,231,446
Pond Creek	LE951121	Algieier Site	LAT EXT	400	8/7/2015	(870)	1,230,576
Pond Creek	13LE1086	WOODS OF PENN RUN OFFSITE SS	LAT EXT	1000	8/25/2015	(2,175)	1,228,401
Pond Creek	LE950066	Challenger Lifts New Assembly	LAT EXT	1070	10/1/2015	(2,197)	1,226,204
Pond Creek	13LE1140	JEFFERSON POST APARTMENTS	LAT EXT	28800	10/2/2015	(62,640)	1,163,564
Pond Creek	LE950068	Single Family Home - 1707 Greyling Drive	LAT EXT	400	10/6/2015	(870)	1,161,824
Pond Creek	LE950067	Single Family Home - 1801 Greyling Drive	LAT EXT	400	10/6/2015	(870)	1,162,694
Pond Creek	SC1082598	MAINTENANCE WORK FY16 JUL-DEC-POND CREEK	SCAPCREDIT		12/30/2015	13,994	1,175,818
Pond Creek	14LE1116	CATALPA SPRINGS	LAT EXT	2800	12/30/2015	(6,090)	1,169,728
Pond Creek	13LE1056	MORNING POINTE AT HURSTBOURNE	LAT EXT	13000	2/4/2016	(28,275)	1,141,453
Pond Creek	358356	WOODS OF PENN RUN Section 1	LAT EXT	18800	2/12/2016	(40,890)	1,100,563
Pond Creek	LE971260	Louisville Free Public Library South Central	LAT EXT	2325	2/22/2016	(5,057)	1,095,506
Pond Creek	LE947322	Renaissance South Business Park Tract 5B	LAT EXT	10140	3/14/2016	(22,055)	1,073,451
Pond Creek	LE971269	Renaissance South Business Park, Tract 5	LAT EXT	9336	3/22/2016	(20,306)	1,053,145
Pond Creek	SC1003699	CONTRACTED WORK FY16 - POND CREEK	SCAPCREDIT		5/17/2016	36,063	1,089,208
Pond Creek	LE936598	Jefferson Commerce Center Tract 1A	LAT EXT	5250	6/6/2016	(11,419)	1,077,789
Pond Creek	LE916484	AUSTIN PARK SS PHASE 8	LAT EXT	16800	6/21/2016	(36,540)	983,829
Pond Creek	14LE1170	Austin Park Phase 7 & 8	LAT EXT	26400	6/21/2016	(57,420)	1,020,369
Pond Creek	SC1082599	MAINTENANCE WORK FY16 JAN-JUN-POND CREEK	SCAPCREDIT		6/30/2016	12,650	996,479
Pond Creek	SC1003087	FY14 HILLRIDGE // REMEDIATION	SCAPCREDIT		8/5/2016	308,184	1,304,663
Pond Creek	SC1003292	FY14 LEA ANN WAY WEST (LAWW) QUAD3 // REMEDIATION	SCAPCREDIT		8/31/2016	311,526	1,616,189
Pond Creek	SC1006197	CONTRACTED WORK FY15 - POND CREEK	SCAPCREDIT		10/24/2016	310	1,616,499
Pond Creek	SC1006182	CONTRACTED WORK FY14 - POND CREEK	SCAPCREDIT		10/26/2016	8,390	1,624,889
Pond Creek	SC1005631	FY14 LEA ANN WAY WEST (LAWW) QUAD4 // REHAB	SCAPCREDIT		10/31/2016	692,905	2,602,730
Pond Creek	SC1005639	FY16 SILVER HEIGHTS SEWER REHAB	SCAPCREDIT		10/31/2016	284,936	1,909,825
Pond Creek	SC1082601	MAINTENANCE WORK FY17 JUL-DEC-POND CREEK	SCAPCREDIT		12/30/2016	14,699	2,617,429
Pond Creek	LE942402	Preston Crossing Apartments	LAT EXT	46400	1/17/2017	(100,920)	2,516,509
Pond Creek	LE954229	Jefferson Commerce Center Bldg.2	LAT EXT	3150	2/2/2017	(6,851)	2,509,658

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Pond Creek	LE971220	Woods of Penn Run Sec. 2	LAT EXT	20000	3/28/2017	(43,500)	2,466,168
Pond Creek	SC10526202	MAINTENANCE WORK FY17 JAN-JUN-POND CREEK	SCAPCREDIT		6/30/2017	14,076	2,480,234
Pond Creek	LE967615	Cooper Farms Section 12	LAT EXT	21200	7/6/2017	(46,110)	2,434,124
Pond Creek	SC1107179	CONTRACTED WORK FY17 - POND CREEK	SCAPCREDIT		7/31/2017	39	2,434,163
Pond Creek	LE1020224	Renaissance South Business Park Tract 11	LAT EXT	6000	9/20/2017	(13,050)	2,421,113
Pond Creek	SC10526203	MAINTENANCE WORK FY18 JUL-DEC-POND CREEK	SCAPCREDIT		12/30/2017	10,803	2,431,916
Pond Creek	LE1016885	Poplar Logistics	LAT EXT	3212	2/19/2018	(6,986)	2,424,930
Pond Creek	LE1029503	Texas Roadhouse	LAT EXT	700	3/15/2018	(1,523)	2,423,407
Pond Creek	LE1053266	Yokomori Manufacturing Facility	LAT EXT	1750	4/9/2018	(3,806)	2,419,601
Pond Creek	SC1107183	FY18 MOUNT WASHINGTON ROAD PS REHABILITATION	SCAPCREDIT		6/4/2018	48,610	2,468,211
Pond Creek	SC1056902	FY17 ADMIRAL PS	SCAPCREDIT		6/30/2018	977,768	3,445,979
Pond Creek	LE1049509	Poplar Logistics Center building 2	LAT EXT	3776	2/14/2019	(8,213)	3,430,449
Pond Creek	LE1049512	Poplar Logistics Center - Building 3	LAT EXT	3384	2/14/2019	(7,317)	3,438,662
Pond Creek	LE1047077	Orell Station 1C	LAT EXT	10400	6/10/2019	(22,620)	3,407,829
Pond Creek	SC1107191	FY18 OAKLAWN	SCAPCREDIT		6/21/2019	198,872	3,606,701
Pond Creek	LE1053368	Ferndale Place Subdivision	LAT EXT	9600	7/10/2019	(20,880)	3,585,821
Pond Creek	LE1055055	Convington by the Lake Area 1	LAT EXT	33600	8/8/2019	(73,080)	3,512,741
Pond Creek	LE1048948	Estates of St.Anthony Sec. 3	LAT EXT	4000	11/22/2019	(8,700)	3,504,041
Pond Creek	LE1013108	Menards	LAT EXT	18450	1/6/2020	(40,129)	3,463,912
Pond Creek	LE1052680	Hidden Forest Section 2	LAT EXT	10000	1/13/2020	(21,750)	3,442,162
Pond Creek	LE1102769	L & N Federal Credit Union	LAT EXT	1950	2/18/2020	(4,241)	3,437,921
Pond Creek	LE1047091	New Cut Road Retail Shop	LAT EXT	1381	5/12/2020	(3,004)	3,434,917
Pond Creek	LE1078674	Frontgate Apartments	LAT EXT	30600	6/10/2020	(66,555)	3,368,362
Pond Creek	LE1104752	Carwash USA	LAT EXT	9000	12/10/2020	(19,575)	3,348,787
Pond Creek							3,348,787
Southeast Diversion	359355	CALENDAR 2007 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2007	8,000	136,000
Southeast Diversion	359440	CALENDAR 2007 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2007	128,000	128,000
Southeast Diversion	235575	MAINTENANCE WORK FY06 AUG-FY09 NOV - SE DIVERSION	SCAPCREDIT		11/1/2008	71,472	207,472
Southeast Diversion	236296	FY09 BEARGRASS INT REHAB PH1 (SED)	SCAPCREDIT		12/22/2008	122,688	644,968
Southeast Diversion	236214	FY09 GOLDSMITH BUECHB ICA PHI REHAB	SCAPCREDIT		12/22/2008	314,808	522,280
Southeast Diversion	359356	CALENDAR 2008 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2008	4,000	666,523
Southeast Diversion	SC1011317	MAINTENANCE WORK FY09A - SE DIVERSION	SCAPCREDIT		12/31/2008	1,555	662,523
Southeast Diversion	359441	CALENDAR 2008 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2008	16,000	680,968
Southeast Diversion	SC1011318	MAINTENANCE WORK FY09B - SE DIVERSION	SCAPCREDIT		6/30/2009	2,929	669,452
Southeast Diversion	229654	TINY HANDS DAYCARE	LAT EXT	1225	10/20/2009	(2,664)	666,788
Southeast Diversion	359357	CALENDAR 2009 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2009	12,000	703,762
Southeast Diversion	SC1011322	MAINTENANCE WORK FY10A - SE DIVERSION	SCAPCREDIT		12/31/2009	16,974	691,762



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CREDIT BASIN	APPLICATION	APPLICATION NAME	TYPE	FLOW	RELEASE DATE	APPROVED CREDIT REQUIRED OR FLOW REDUCTION	RUNNING TOTAL
Southeast Diversion	359443	CALENDAR 2009 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2009	8,000	674,788
Southeast Diversion	235291	SULLIVAN COLLEGE OF TECHNOLOGY	LAT EXT	900	2/11/2010	(1,958)	701,804
Southeast Diversion	238328	LOUISVILLE COLLEGIATE SPORTS	LAT EXT	400	3/1/2010	(870)	700,934
Southeast Diversion	241759	FRISCHS BIG BOY RESTAURANT	LAT EXT	2400	3/5/2010	(5,220)	695,714
Southeast Diversion	257275	LOUISVILLE JUNIOR ACADEMY	LAT EXT	520	4/16/2010	(1,131)	694,583
Southeast Diversion	270858	SINGLE FAMILY CONNECTION	LAT EXT	400	6/29/2010	(870)	693,713
Southeast Diversion	SC1011326	MAINTENANCE WORK FY10B - SE DIVERSION	SCAPCREDIT		6/30/2010	10,739	704,452
Southeast Diversion	320993	FY11 BEARGRASS CREEK PHASE II (SED)	SCAPCREDIT		12/14/2010	10,368	714,820
Southeast Diversion	SC1011328	MAINTENANCE WORK FY11A - SE DIVERSION	SCAPCREDIT		12/31/2010	11,090	753,910
Southeast Diversion	359444	CALENDAR 2010 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2010	24,000	742,820
Southeast Diversion	359358	CALENDAR 2010 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2010	4,000	718,820
Southeast Diversion	286513	GARDINER POINT RESIDENCE HALL	LAT EXT	10800	2/16/2011	(23,490)	730,420
Southeast Diversion	276378	TIRE DISCOUNTERS - BARDSTOWN	LAT EXT	1500	5/6/2011	(3,263)	727,157
Southeast Diversion	287888	BEVERAGE WAREHOUSE	LAT EXT	1180	5/30/2011	(2,567)	724,590
Southeast Diversion	SC1011330	MAINTENANCE WORK FY11B - SE DIVERSION	SCAPCREDIT		6/30/2011	3,661	728,251
Southeast Diversion	286295	KEN TOWERY - 3800 S HURSTBOURNE	LAT EXT	400	7/1/2011	(870)	727,381
Southeast Diversion	359445	CALENDAR 2011 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2011	8,000	804,452
Southeast Diversion	SC1011331	MAINTENANCE WORK FY12A - SE DIVERSION	SCAPCREDIT		12/31/2011	5,071	796,452
Southeast Diversion	359359	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	64,000	791,381
Southeast Diversion	325231	ASSUMPTION SPORTS AND REC CTR	LAT EXT	1800	4/20/2012	(3,915)	800,537
Southeast Diversion	SC1011333	MAINTENANCE WORK FY12B - SE DIVERSION	SCAPCREDIT		6/30/2012	6,141	830,880
Southeast Diversion	SC1011316	MAINTENANCE WORK FY12B - SE DIVERSION	SCAPCREDIT		6/30/2012	24,202	824,739
Southeast Diversion	307018	HOOK PROPERTY FAMILY DOLLAR	LAT EXT	400	8/10/2012	(870)	830,010
Southeast Diversion	341828	SINGLE FAMILY - 3408 HUNSIGNER	LAT EXT	400	10/11/2012	(870)	829,140
Southeast Diversion	359361	CALENDAR 2012 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2012	68,000	925,342
Southeast Diversion	14SC1006	MAINTENANCE WORK FY13A - SE DIVERSION	SCAPCREDIT		12/31/2012	24,202	857,342
Southeast Diversion	359446	CALENDAR 2012 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2012	4,000	833,140
Southeast Diversion	187741	BROOKSTONE SENIOR APARTMENTS	LAT EXT	16800	3/11/2013	(36,540)	888,802
Southeast Diversion	359068	SINGLE FAMILY 2233 BEARGRASS	LAT EXT	400	4/22/2013	(870)	887,932
Southeast Diversion	355163	ZOELLER APARTMENTS LOT 1	LAT EXT	2300	5/15/2013	(5,003)	882,929
Southeast Diversion	232601	RAINTREE/MARIAN CT P/S ELIM	LAT EXT	105800	6/14/2013	(230,115)	652,814
Southeast Diversion	SC1082605	MAINTENANCE WORK FY13 JAN-JUN-SOUTHEAST DIVERSION	SCAPCREDIT		6/30/2013	21,761	674,575
Southeast Diversion	13LE1052	BACHMAN PRE-OWNED CAR DEALERSHIP	LAT EXT	845	8/22/2013	(1,838)	672,737
Southeast Diversion	SC1085539	CONTRACTED WORK FY13 - SOUTHEAST DIVERSION	SCAPCREDIT		9/18/2013	25,344	698,081
Southeast Diversion	13LE1041	RESTAURANT/RETAIL AT 2131 HURSTBOURNE PKWY	LAT EXT	1920	9/20/2013	(4,176)	693,905
Southeast Diversion	330437	COLLEGIATE ATHLETIC FIELD	LAT EXT	800	11/26/2013	(1,740)	692,165
Southeast Diversion	SC1082606	MAINTENANCE WORK FY14 JUL-DEC-SOUTHEAST DIVERSION	SCAPCREDIT		12/30/2013	19,491	711,656

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Southeast Diversion	SC1082807	MAINTENANCE WORK FY14 JAN-JUN-SOUTHEAST DIVERSION	SCAPCREDIT		6/30/2014	9,087	720,743
Southeast Diversion	14LE1156	Copper Chase Business Park, Phase	LAT EXT	840	12/29/2014	(1,827)	718,916
Southeast Diversion	SC1082808	MAINTENANCE WORK FY15 JUL-DEC-SOUTHEAST DIVERSION	SCAPCREDIT		12/30/2014	15,321	734,237
Southeast Diversion	SC1006185	CONTRACTED WORK FY14 - SOUTHEAST DIVERSION	SCAPCREDIT		2/11/2015	187,478	921,715
Southeast Diversion	LE939900	Thomtons - 4154 Bardstown Road	LAT EXT	1000	5/14/2015	(2,175)	919,540
Southeast Diversion	SC1082810	MAINTENANCE WORK FY15 JAN-JUN-SOUTHEAST DIVERSION	SCAPCREDIT		6/30/2015	10,273	929,813
Southeast Diversion	LE932083	Commercial Shell Bldg Addition	LAT EXT	400	6/30/2015	(870)	928,943
Southeast Diversion	SC1006199	CONTRACTED WORK FY15 - SOUTHEAST DIVERSION	SCAPCREDIT		10/20/2015	1	928,944
Southeast Diversion	LE919560	Todd's Place Express Car Wash	LAT EXT	4830	12/22/2015	(10,505)	918,439
Southeast Diversion	SC1082811	MAINTENANCE WORK FY16 JUL-DEC-SOUTHEAST DIVERSION	SCAPCREDIT		12/30/2015	7,062	925,491
Southeast Diversion	LE948013	Unspecified Commercial Development	LAT EXT	2620	1/8/2016	(5,699)	919,792
Southeast Diversion	SC1003718	FY16 F SOUTHEAST DIVERSION AREA G (SEDG) /I REHAB	SCAPCREDIT		2/16/2016	75,998	995,790
Southeast Diversion	14LE1110	Bosniak-American Islamic Center	LAT EXT	1100	4/4/2016	(2,393)	993,397
Southeast Diversion	SC1003704	CONTRACTED WORK FY16 - SOUTHEAST DIVERSION	SCAPCREDIT		5/24/2016	66	993,463
Southeast Diversion	SC1082812	MAINTENANCE WORK FY16 JAN-JUN-SOUTHEAST DIVERSION	SCAPCREDIT		6/30/2016	19,904	1,013,367
Southeast Diversion	LE943171	Costco Wholesale and Fuel Facility	LAT EXT	8000	7/28/2016	(17,400)	995,967
Southeast Diversion	SC1082813	MAINTENANCE WORK FY17 JUL-DEC-SOUTHEAST DIVERSION	SCAPCREDIT		12/30/2016	5,812	1,001,779
Southeast Diversion	LE967621	Chick-fil-A FSU #	LAT EXT	1500	1/6/2017	(3,263)	998,516
Southeast Diversion	SC1082814	MAINTENANCE WORK FY17 JAN-JUN-SOUTHEAST DIVERSION	SCAPCREDIT		6/30/2017	6,961	1,005,477
Southeast Diversion	LE1019576	Badman Subaru Dealership	LAT EXT	489	7/18/2017	(1,064)	1,004,413
Southeast Diversion	LE1030200	Wingate Hotel Pool	LAT EXT	400	8/10/2017	(870)	1,003,543
Southeast Diversion	SC1082815	MAINTENANCE WORK FY18 JUL-DEC-SOUTHEAST DIVERSION	SCAPCREDIT		12/30/2017	14,909	1,018,452
Southeast Diversion	LE1031137	Collins Body Shop Expansion	LAT EXT	400	3/9/2018	(870)	1,017,582
Southeast Diversion	LE1002002	ALDI #39	LAT EXT	400	3/15/2018	(870)	1,016,712
Southeast Diversion	LE1039341	Silver Creek Place Apartments	LAT EXT	7200	4/9/2018	(15,660)	1,001,052
Southeast Diversion	LE1046691	Crown Packaging	LAT EXT	400	4/18/2018	(870)	1,000,182
Southeast Diversion	LE1061616	Bob Hook Chevrolet	LAT EXT	400	6/4/2018	(870)	999,312
Southeast Diversion	LE1088750	Nickllee Paragon Centre - Corporate Office Additio	LAT EXT	3040	1/10/2019	(6,612)	992,700
Southeast Diversion	SC1107193	CONTRACTED WORK FY19 - SOUTHEAST DIVERSION	SCAPCREDIT		8/30/2019	15,760	1,008,460
Southeast Diversion	SC1107192	FY18 SOUTHEAST DIVERSION AREA F (SEDF)	SCAPCREDIT		9/12/2019	1,617,410	2,625,870
Southeast Diversion	LE1102994	Honda World - building expansion	LAT EXT	400	1/17/2020	(870)	2,625,000
Southeast Diversion	LE1074909	Bardstown Road Storage	LAT EXT	400	7/29/2020	(870)	2,624,130
Southeast Diversion	LE1104178	DRAKES RESTAURANT	LAT EXT	3000	1/4/2021	(6,525)	2,617,605
Southeast Diversion	LE1104275	FKC WATTERSON DIALYSIS	LAT EXT	6180	1/5/2021	(13,442)	2,604,163
Southeast Diversion	LE1054201	9603 Watterson Trail	LAT EXT	400	11/22/2021	(870)	2,603,293
Southeast Diversion							2,603,293

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APPENDIX K

SEWER OVERFLOW RESPONSE PROTOCOL

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SECTION	MODIFICATIONS
1.1 Purpose	Removed reference to Amended Consent Decree.
1.2 Definitions	Updated definition of Louisville and Jefferson County Metropolitan Sewer District (MSD) to "The agency responsible for providing wastewater services in the service areas listed in Appendix A."
2.1 MSD Wastewater Collection, Transmission, and Treatment System	Moved system characterization data to Appendix A.
2.2. MSD Functional Structure and Resources for SORP Implementation	Updated MSD division counts. Updated implementation responsibility to Executive Director.
2.2.1. Resources for Customer Inquiries	Updated to reflect current organizational structure and responsibility changes.
2.2.2. Resources for Dispatching Work	Updated to reflect current organizational structure and responsibility changes.
2.3.4. Real Time Control (RTC)	Updated to highlight combined system impact and include diversion to Derek R. Guthrie WQTC.
2.3.6. Rain Gauge Network	Updated to reflect change in predictive rainfall analysis tool.
2.3.10. Laboratory Information Management System (LIMS)	Updated to reflect change in pretreatment program software.
2.3.14. FASTER	Changed section name and details to AssetWorks to reflect change in software.
2.3.15. LINKO	Added section to reflect change in pretreatment program software.
Section 3: Overflow Response Procedures	Removed reference to Amended Consent Decree.
3.1.2.1. Monitoring for Inclement Weather	Updated Louisville Metro to reflect the service area. Removed reference to Jefferson County regarding the rain gauge network. Updated rainfall prediction increments to reflect new capabilities. Updated Dashboard to reflect new name, Hydroweb Dashboard.
3.1.2.3. Performing Wet Weather Reconnaissance	Moved rain event SSO inspection route details and triggers to Appendix D.
3.3. Overflow Assessment	Updated reference to Louisville Metro Fire, Emergency Services, and Health Department to responsible parties in the service area.
4.3.2. Monthly Overflow Report	Need to determine if the MOR should include interior / exterior, or if this should only be reported in the AR.
4.4. Amended Consent Decree Reports	Updated to Service Area-Specific Reporting Requirements
4.4.1. Quarterly Discharge Report	Updated to 2nd Amended Consent Decree Mid-Year Status Report and to reflect the reporting requirements.
4.4.2. Annual Discharge Report	Updated to 2nd Amended Consent Decree Annual Report and to reflect the reporting requirements. Need to determine if AR should include interior / exterior, or if this should only be reported in the MOR.
5.1. Review and Updates to the Sewer Overflow Response Protocol	Removed reference to Amended Consent Decree. Updated approval process to reflect current process.
5.3.2. Schedule for Training	Removed reference to Amended Consent Decree. Updated approval process to reflect current process.
5.3.4. Description of Training Modules	Updated Table 5.1 to reflect current organizational structure. Added Reporting Only module.



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SECTION	MODIFICATIONS
Appendix A MSD Collection, Transmission, and Treatment System	Updated subappendices to reflect one service area each (Jefferson County, OCEA, BCSD, and TopFlight Landing), including system characterization, KPDES permits impacted, and collection and transmission system map.
Appendix B MSD Organizational Chart	Updated to reflect current organizational structure.
Appendix D Documented and Suspected Overflows	Updated to Documented and Suspected Overflows and Wet Weather Reconnaissance. Combined with Appendix E to reflect one service area each in a subappendix that includes documented and suspected SSOs and Wet Weather Discharge Reconnaissance Team SSO inspection routes, including triggers.
Appendix E Wet Weather Discharge Reconnaissance Team SSO Inspection Routes	Combined with Appendix D to reflect one service area each in a subappendix that includes documented and suspected SSOs and Wet Weather Discharge Reconnaissance Team SSO inspection routes, including triggers.
Appendix F Jeffersontown Siphon, Manhole Inspection Routes and Data Collection Requirements	Need to verify these can be eliminated, no discharge in 6 years but required by ACD p 28 d.
Appendix G Overflow Advisory Warning Sign	Renumbered to reflect current numbering.
Appendix H Overflow Report Form	Renumbered to reflect current numbering.
Appendix I Volume Estimation Guide	Renumbered to reflect current numbering.
Appendix J 5-Day Letter Templates	Renumbered to reflect current numbering. Changed to Notification Letter Templates.
Appendix K Discharge Report - IMSAST004	Renumbered to reflect current numbering.



APPENDIX L

METRO TV BROADCASTS

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DATE	PROJECT	PHASE	ORIGINAL MEETING DATE
July 2, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
July 5, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
July 7, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
July 8, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
July 9, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
July 12, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
July 17, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
July 19, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
July 21, 2021	Portland CSO Basin	Conceptual Design Meeting	June 14, 2016
July 23, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
July 24, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
July 26, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
July 27, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
July 30, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
August 2, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
August 3, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
August 6, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
August 9, 2021	Portland CSO Basin	Conceptual Design Meeting	June 14, 2016
August 10, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
August 16, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
August 20, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
August 19, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
August 23, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
August 25, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
August 26, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
August 29, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
August 30, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
August 31, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
September 5, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
September 6, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
September 8, 2021	Portland CSO Basin	Conceptual Design Meeting	June 14, 2016



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DATE	PROJECT	PHASE	ORIGINAL MEETING DATE
September 13, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
September 16, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
September 21, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
September 26, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
September 27, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
October 1, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
October 4, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
October 7, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
October 8, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
October 12, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
October 14, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
October 16, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
October 19, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
October 22, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
October 23, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
October 26, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
October 27, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
October 29, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
October 30, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
October 31, 2021	Portland CSO Basin	Conceptual Design Meeting	June 14, 2016
November 1, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
November 3, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
November 7, 2021	Portland CSO Basin	Conceptual Design Meeting	June 14, 2016
November 8, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
November 9, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
November 11, 2021	Portland CSO Basin	Conceptual Design Meeting	June 14, 2016
November 15, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
November 16, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018

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DATE	PROJECT	PHASE	ORIGINAL MEETING DATE
November 19, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
November 21, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
November 22, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
November 24, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
November 25, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
December 5, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
November 29, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
December 2, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
December 3, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
December 6, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
December 7, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
December 9, 2021	Portland CSO Basin	Conceptual Design Meeting	June 14, 2016
December 11, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
December 13, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
December 15, 2021	Portland CSO Basin	Conceptual Design Meeting	June 14, 2016
December 18, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
December 20, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
December 23, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017
December 27, 2021	Waterway Protection Tunnel	Construction Meeting	January 10, 2018
December 29, 2021	Southwestern Parkway CSO Basin	Construction Meeting	April 18, 2017

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Second Amended Consent Decree
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