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February 28, 2023

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U.S. Department of Justice  
Post Office Box 7611  
Washington, DC 20044-7611

Subject: Mid-Year Status Report  
July 1, 2022 through December 31, 2022  
Civil Action No. 3:05-cv-236-S  
DOJ Case No. 90-5-1-1-08254

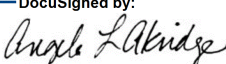
Attention Director and Chiefs:

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, 2022, through December 31, 2022.

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,

DocuSigned by:  
  
88ECDC692890410...

Angela Akridge, PE  
MSD Chief Strategy Officer  
for Business Transformation and Regulatory Compliance

cc: James A. Parrott, Executive Director  
Kellie Watson, General Counsel  
File

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**Louisville MSD  
Second Amended Consent Decree  
Mid-Year Status Report FY23**



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

**Reporting Period:**

July 1, 2022 through December 31, 2022

**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, 2023





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## **INTRODUCTION**

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

This Second Amended Consent Decree Mid-Year Status Report is submitted in accordance with Paragraph 41 of the 2ACD. This report covers the time period from July 1, 2022, through December 31, 2022. The structure for this report is outlined as follows:

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

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

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

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

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

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

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

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

### **1.1. RAINFALL**

The number and the volume of wet weather overflows is directly related to the amount of rain that has fallen during the reporting period. No new rain gauges have been installed by MSD during the reporting period, and the total network currently has 46 rain gauges, as shown in Figure 1.1. Nine gauges are located within Indiana, eight within adjacent Kentucky counties and the remaining 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 FY18.

### **1.2. AUTHORIZED DISCHARGES — WET WEATHER CSOs**

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

#### **1.2.1. CURRENT REPORTING PERIOD**

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

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

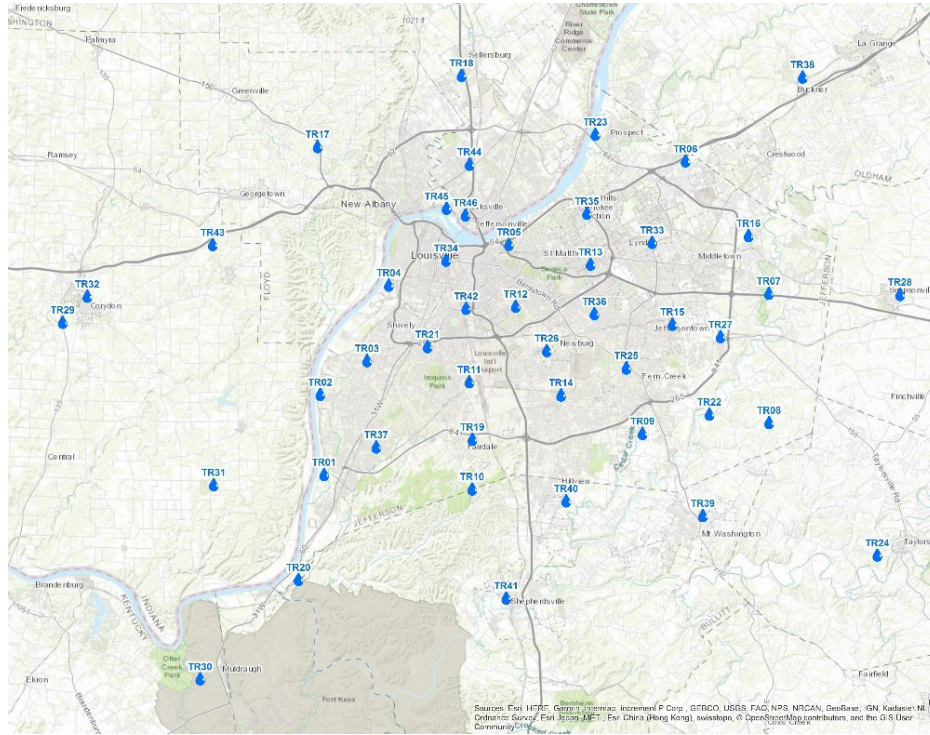
<b>DUE TO</b>	<b>OCCURRENCES</b>	<b>VOLUME (MG)</b>
LACK OF SYSTEM CAPACITY	608	1,207

#### **1.2.2. CUMULATIVE DISCHARGE REDUCTIONS**

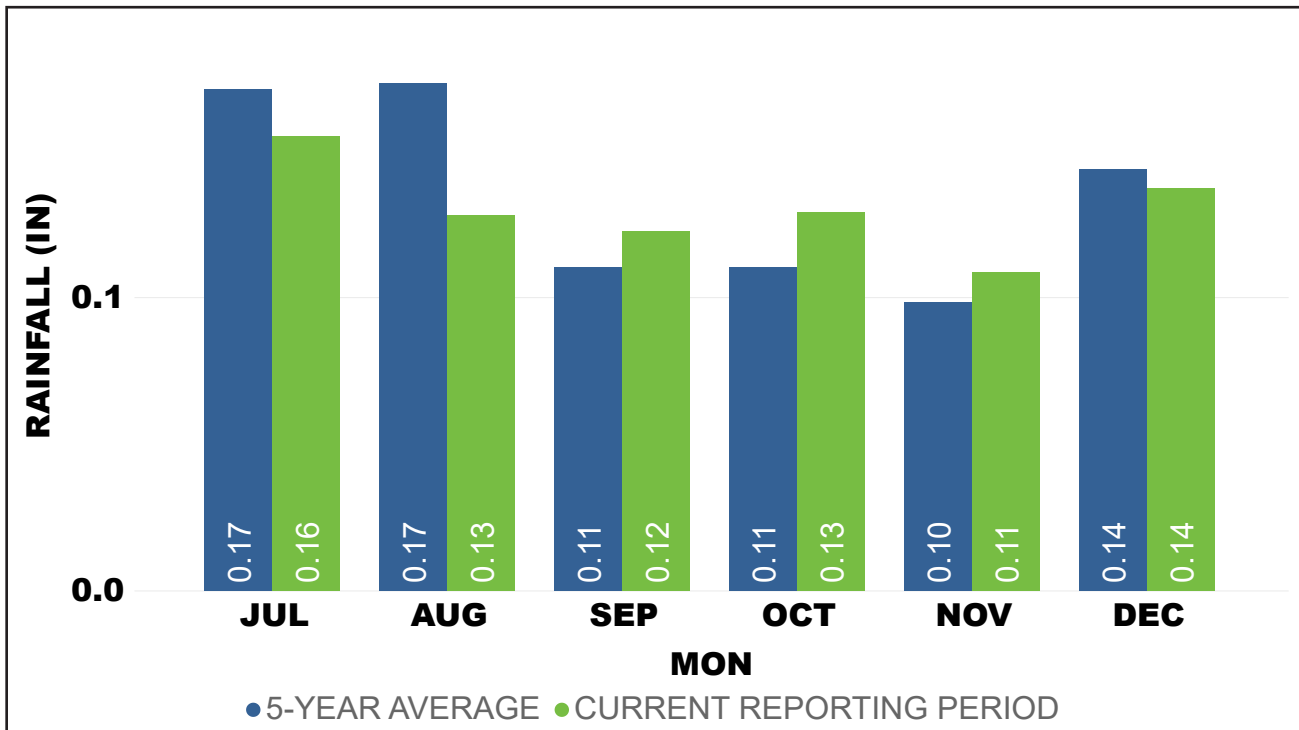
MSD is required to achieve 85% or greater capture throughout the combined sewer system (CSS). When fully implemented and operational, MSD’s suite of wet weather CSO control projects are modeled to achieve up to 95 percent capture of the wet weather combined sewage generated in the service area during the Typical Year, which greatly exceeds EPA’s Presumption Approach requirement of 85 percent. Compliance with the 85 percent capture was achieved with completion of the Waterway Protection Tunnel in 2022. MSD expects to achieve up to 95 percent modeled performance by December 31, 2026, upon completion of the Morris Forman WQTC Sedimentation Basin Rehabilitation Project per the State Agreed Order Number 150220 Corrective Action Plan.

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 the Morris Forman WQTC is operating at full capacity. This data is provided for information only. The modeling results do not reflect a specific commitment to a set number of activations, cumulative volume or total minutes of overflow at each CSO, nor do they represent a cumulative commitment to residual Annual Average Overflow Volume (AAOV). There are no target commitments for number of activations at each individual CSO. The target commitment for the system is based on an 85% capture, resulting in a total residual AAOV of 2,955 MG per Typical Year. The AAOV, derived from the InfoWorks CSO hydraulic model, includes the modeled AAOV for the permitted CSOs as currently constructed, and is included as Appendix B.

**Figure 1.1. MSD Rain Gauge Network**



**Figure 1.2. Daily Average Rainfall by Month**



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### **1.3. UNAUTHORIZED DISCHARGES — WET WEATHER SSOs**

#### **1.3.1. 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.

#### **1.3.2. CUMULATIVE DISCHARGE REDUCTIONS**

In 2007, MSD had an estimated 218 modeled SSO occurrences for the 10-year storm event. MSD is required to eliminate all 197 modeled SSOs for the 2-year storm event and mitigate the remaining SSOs. Modeled SSO occurrences are required to be reduced to a level of control (LOC) for the 5-year and 10-year storm events. The modeled reduction is based on projections using current proposed solutions (as of December 31, 2022). 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.

### **1.4. UNAUTHORIZED DISCHARGES — DRY WEATHER CSOs**

Zero dry weather CSOs occurred during the reporting period, as reflected in Table 1.5 and Appendix D. Table 1.5 summarizes dry weather CSO discharges by cause and Appendix D provides a detailed listing of discharges that occurred during the reporting period.

### **1.5. UNAUTHORIZED DISCHARGES — DRY WEATHER SSOs**

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

### **1.6. BYPASSES AT WATER QUALITY TREATMENT CENTERS**

Project WIN Quarterly Report 18 included a memorandum, 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 1.2. Wet Weather CSO Cumulative Reduction Modeled Projection - Summary

YEAR	TYPICAL YEAR OCCURRENCES	TYPICAL YEAR VOLUME (MG)
2007	2,683	3510
2022	193	340
2034	193	340

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

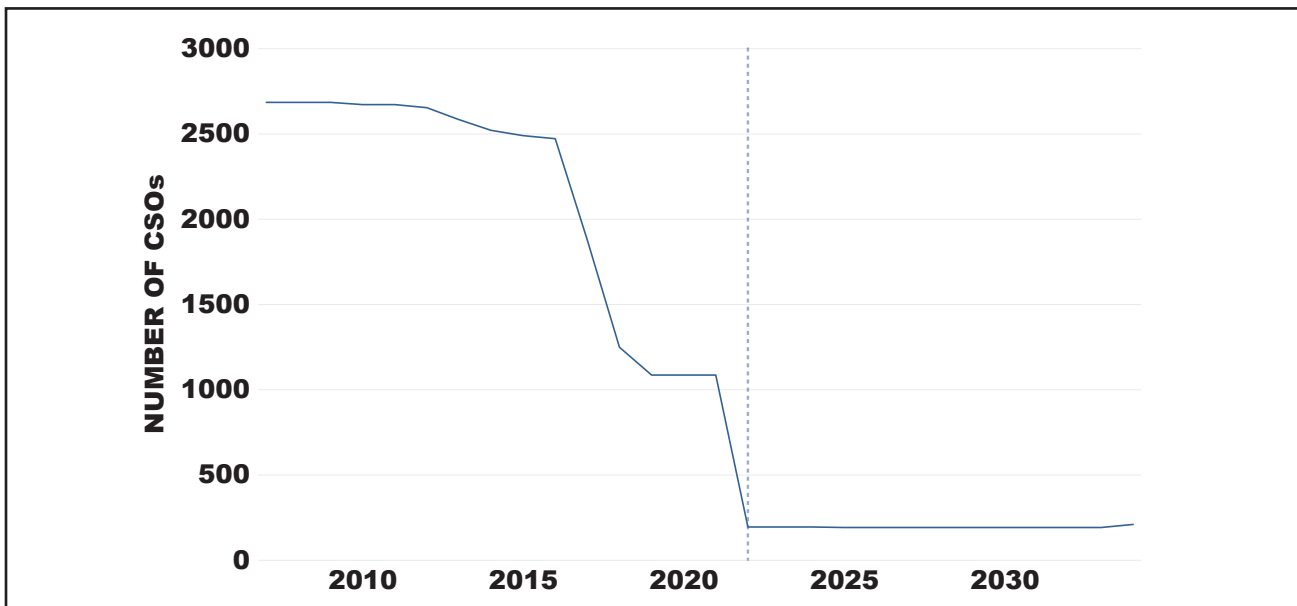


Figure 1.4. Wet Weather CSO Cumulative Reduction Modeled Projection - Volume

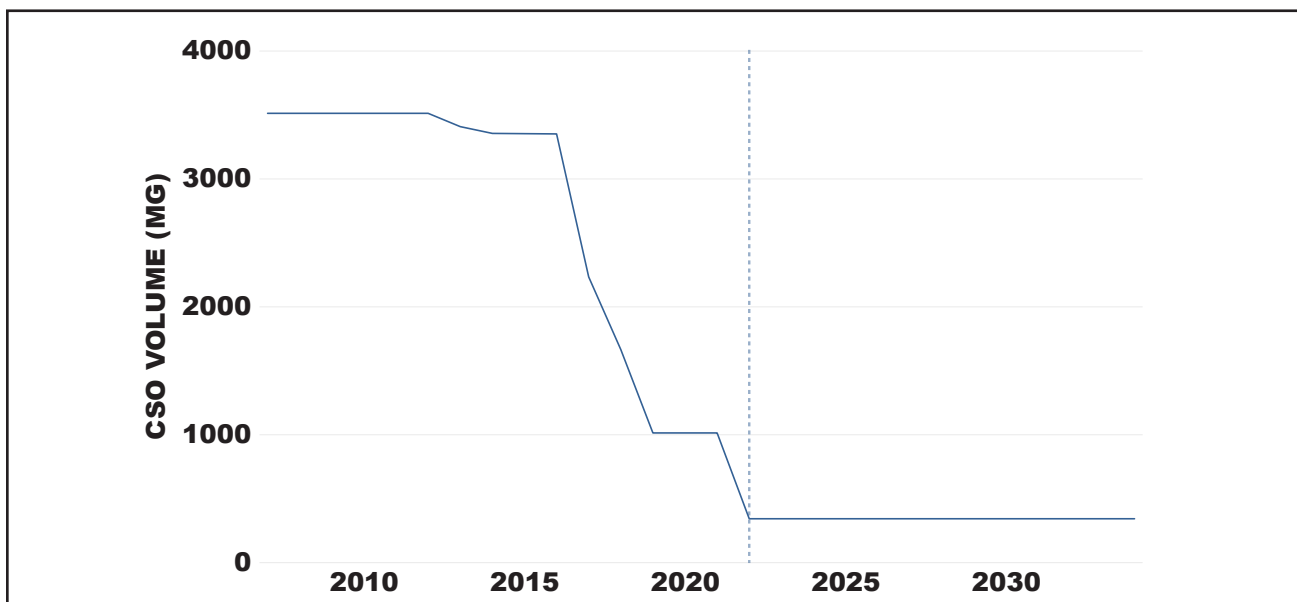




Table 1.3. Wet Weather SSO Cumulative Reduction Modeled Projection - Summary

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
2022	63	4	167	13	193	34
2034	0	0	137	5	178	21

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

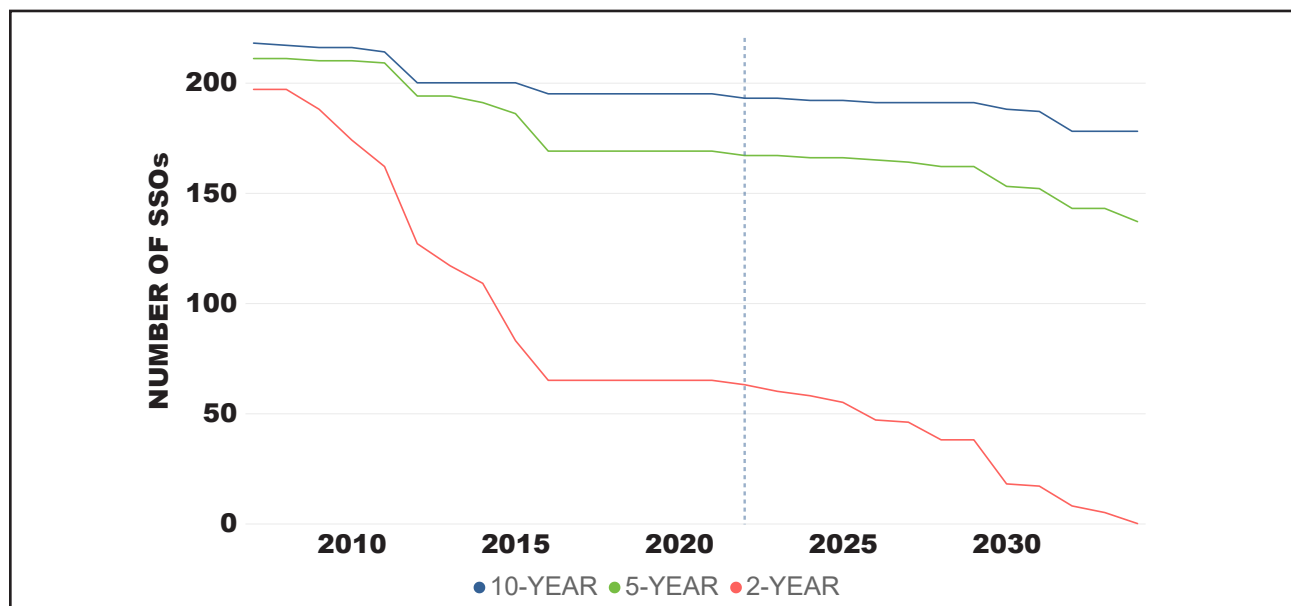
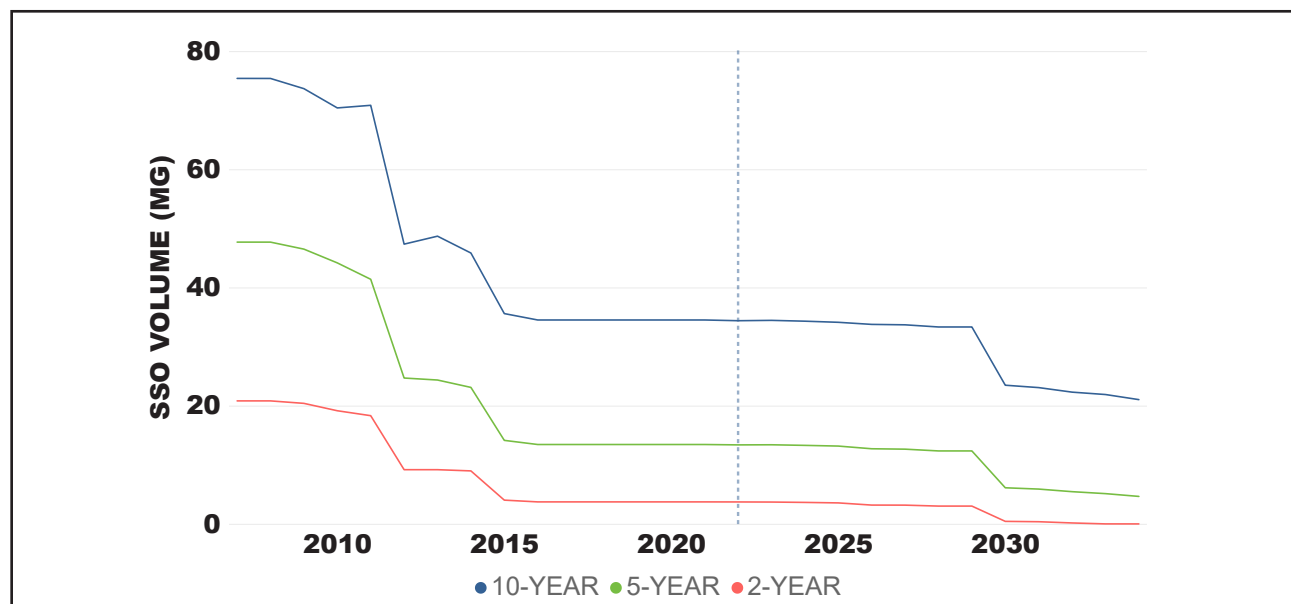


Figure 1.6. Wet Weather SSO Cumulative Reduction Modeled Projection - Volume





**Table 1.4. Wet Weather SSO Discharge Summary**

<b>DUE TO</b>	<b>OCCURRENCES</b>	<b>VOLUME (GAL)</b>
LACK OF SYSTEM CAPACITY	16	2,948,044
STRUCTURAL FAILURE	1	1,000

**Table 1.5. Dry Weather CSO Discharge Summary**

<b>DUE TO</b>	<b>OCCURRENCES</b>	<b>VOLUME (GAL)</b>
	0	-

**Table 1.6. Dry Weather SSO Discharge Summary**

<b>DUE TO</b>	<b>OCCURRENCES</b>	<b>VOLUME (GAL)</b>
UTILITY DAMAGED MSD ASSET	1	5
GREASE BLOCKAGE	2	1,275
OBSTRUCTION-NOT GREASE / ROOTS	1	1
STRUCTURAL FAILURE	1	1,000
ROOTS	1	720

**Table 1.7. Bypass Summary**

<b>DUE TO</b>	<b>OCCURRENCES</b>	<b>VOLUME (GAL)</b>
HUMAN ERROR	1	900,000

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## **SECTION 2: PROGRAM ACTIVITIES FOR DISCHARGE ABATEMENT PLANS**

### **2.1. INTEGRATED OVERFLOW ABATEMENT PLAN (IOAP)**

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

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

In 2021, MSD, KDEP and EPA completed negotiation of the Second Amended Consent Decree (2ACD) to amend, reprioritize and expand upon some of the provisions set forth in the ACD. MSD had completed many of the requirements of the ACD, including construction of 47 of the 63 SSDP projects and construction of 24 of the 25 LTCP projects required under the ACD. The completed projects resulted in preliminary finding of bacterial reductions in the Ohio River and Beargrass Creek watersheds based on water quality monitoring and system hydraulic modeling. However, MSD had spent approximately \$1B on CD and ACD implementation, and was experiencing changed circumstances for other assets. KDEP and EPA agreed that additional system work was required in addition to a reprioritization of the work required under the ACD. The 2ACD requires Additional Early Action Plan (AEAP) projects to remediate the 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. The approved documents can be viewed on the MSD Project WIN website, [msdprojectwin.org](https://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. No projects were certified as completed during the current reporting period.

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The Monticello Pump Station Elimination and Idlewood Inline Storage 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, submitted May 19, 2021. The approved documents can be viewed on the MSD Project WIN website, [msdprojectwin.org](http://msdprojectwin.org). Discharging assets associated with LTCP Projects can be found in Appendix G.

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

### **2.4. ADDITIONAL EARLY ACTION PLAN 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, including the following:

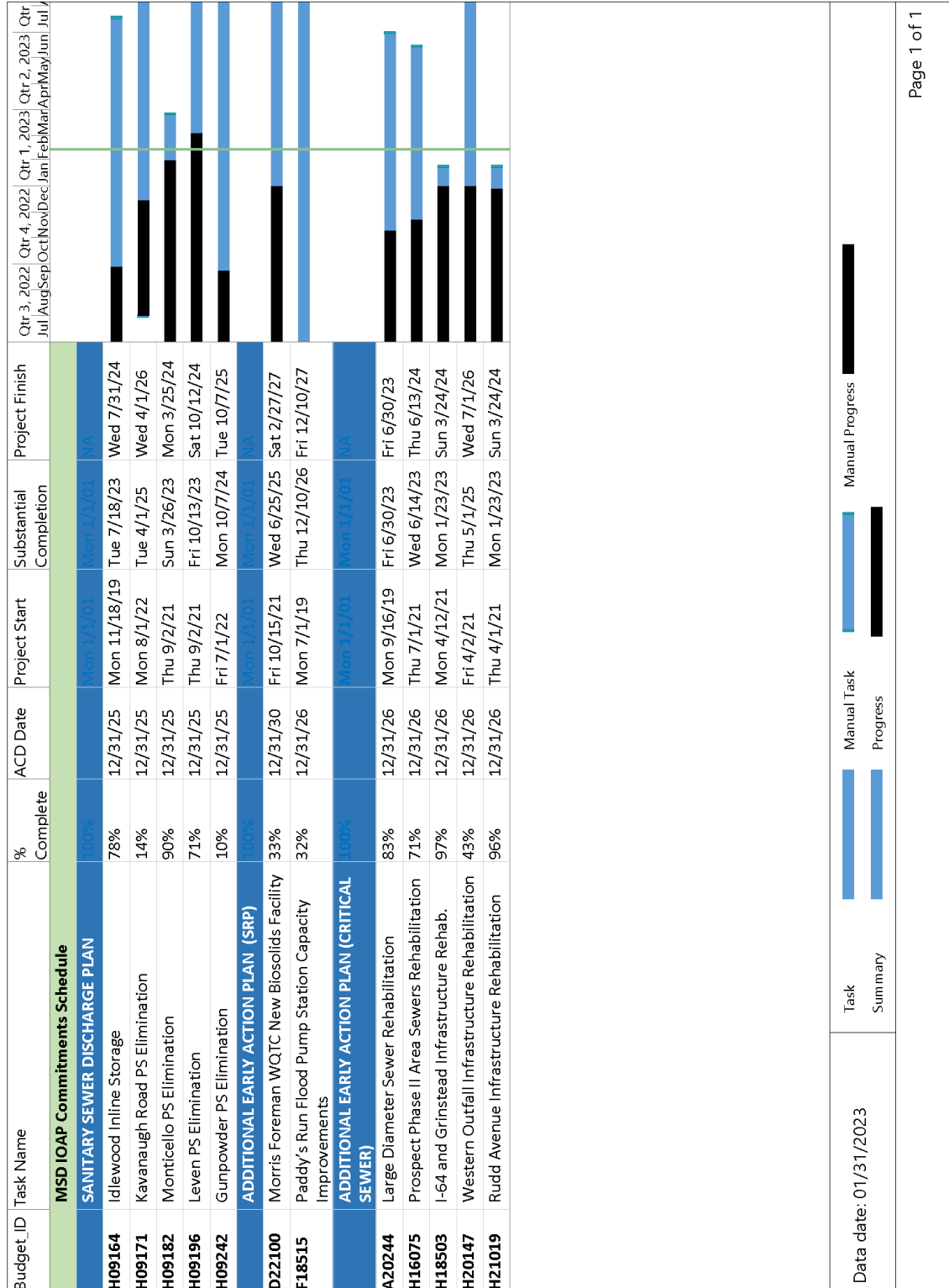
- Replacement of the Paddy's Run Pump Station by December 31, 2026, with an estimated additional cost of \$250M (up from \$79M estimated in FY21). It is noted that this project is dependent on partnership and cooperation with the US Army Corps of Engineers (USACE), and as such the deadline may be extended.
- Repair and replacement of nine critical interceptors by December 31, 2026, with an estimated additional cost of \$99.9M (up from \$70M estimated in FY21). The critical interceptor projects include the following:
  - Beuchel Trunk Sewer Rehabilitation
  - Harrods Creek Force Main Repair
  - Prospect Phase II Area Sewers Rehabilitation
  - Broadway Interceptor Infrastructure Rehabilitation
  - I-64 & Grinstead Infrastructure Rehabilitation
  - Large Diameter Sewer Rehabilitation
  - Rudd Ave Sewer Infrastructure Rehabilitation
  - Western Outfall Infrastructure Rehabilitation
  - Nightingale Rehabilitation
- Replacement of the Morris Forman WQTC Biosolids Facility by December 31, 2030, with an estimated additional cost of \$340M (up from \$198 estimated in FY21).

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. No projects were certified as complete during this reporting period. The I-64 & Grinstead Infrastructure Rehabilitation, Rudd Avenue Sewer Infrastructure Rehabilitation, Prospect Phase II Area Sewers Rehabilitation, and Large Diameter Sewer Rehabilitation projects are anticipated to be complete during the upcoming reporting period.

## **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.

**Figure 2.1. IOAP Activity Schedule**





### 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](http://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.
  - 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	8,969	9,206	103%	100%
CSO INSPECTIONS	2,551	2,434	95%	95%
DEBRIS REMOVAL / REPAIR	290	284	98%	95%
SIPHON INSPECTIONS	289	283	98%	95%
FLAPGATE INSPECTIONS	546	545	100%	95%

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

Table 3.2. Other NMC 1 Activities Completed

ACTIVITY	LINEAR FEET
CLEANING ACTIVITIES	0
CHEMICAL ROOT CONTROL	0
INSPECTION ACTIVITIES	239,876
CHEMICAL GREASE TREATMENT	0

#### 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 Water Quality Treatment Center (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

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

<b>RTC METHOD</b>	<b>VOLUME (MG)</b>
Diversion to Treatment	212.8
CSO Basin Storage	973.2
Inline Storage	408.7
Storm Basin Storage	191.0
<b>Total</b>	<b>1,785.6</b>

automation as the automated controls for individual components are implemented, validated, and then incorporated into the overall RTC system.

- 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.
- Continued reviewing and updating the master programming and modules 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.
- Made minor updates to the master RTC SOP manual based on survey of the Main Diversion Structure (MDS) and continued preparation of the Rowan PS SOP.
- Continued preparing Csoft for integration of the Rowan PS including configuration of the RTC system and hydraulic model.
- Continued review and 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.
- Integrate the Rowan PS facility into RTC and monitor to complete tuning of the control loops.
- Finalize the master programming and modules guide and the Master SOP.
- 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:
  - Implemented a Flow Under the Gate (FUG) calculation for Gates 3 & 7.



- 
- Constructed and installed a strengthened 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 survey of the MDS and implemented additional routine maintenance procedures for instrumentation at the MDS and Southern Outfall Retention (SOR1) facilities to improve the reliability of RTC data.
  - Began utilizing the Hydroweb dashboard for production of CSO and storage-related tables for used by MSD to report information.
  - Continued 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.
  - Continued design of improvements to the Southwest Outfall Retention #1 (SWOR1) facility to enable increasing the maximum level set point.
  - Bid and awarded contract for construction of the Sneads Branch PS elimination project to allow gravity dewatering to the Logan CSO Basin.
  - Continued operating the Rowan PS in Manual.
  - Continued development of the Hydroweb dashboard with key performance indicators designed to quantify RTC performance.
  - Performed an analysis of rainfall forecasts to determine reliability relative to actual rainfall.
  - Identified and corrected various rain gauge data reporting errors.

**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.
- Continue monitoring the real time validation routine for level instrumentation at the 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.
- Begin construction of the Sneads Branch PS elimination project.

### **3.3. NMC 4: MAXIMIZATION OF FLOW AT THE MORRIS FORMAN WATER QUALITY TREATMENT CENTER (WQTC)**

#### **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 the Morris Forman WQTC 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 Primary Sedimentation Basin Rehab project is underway.
- The Biosolids Processing Solution project is underway utilizing a Progressive Design Build delivery method.
- A Biosolids Master Plan is underway.

#### **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 0 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**

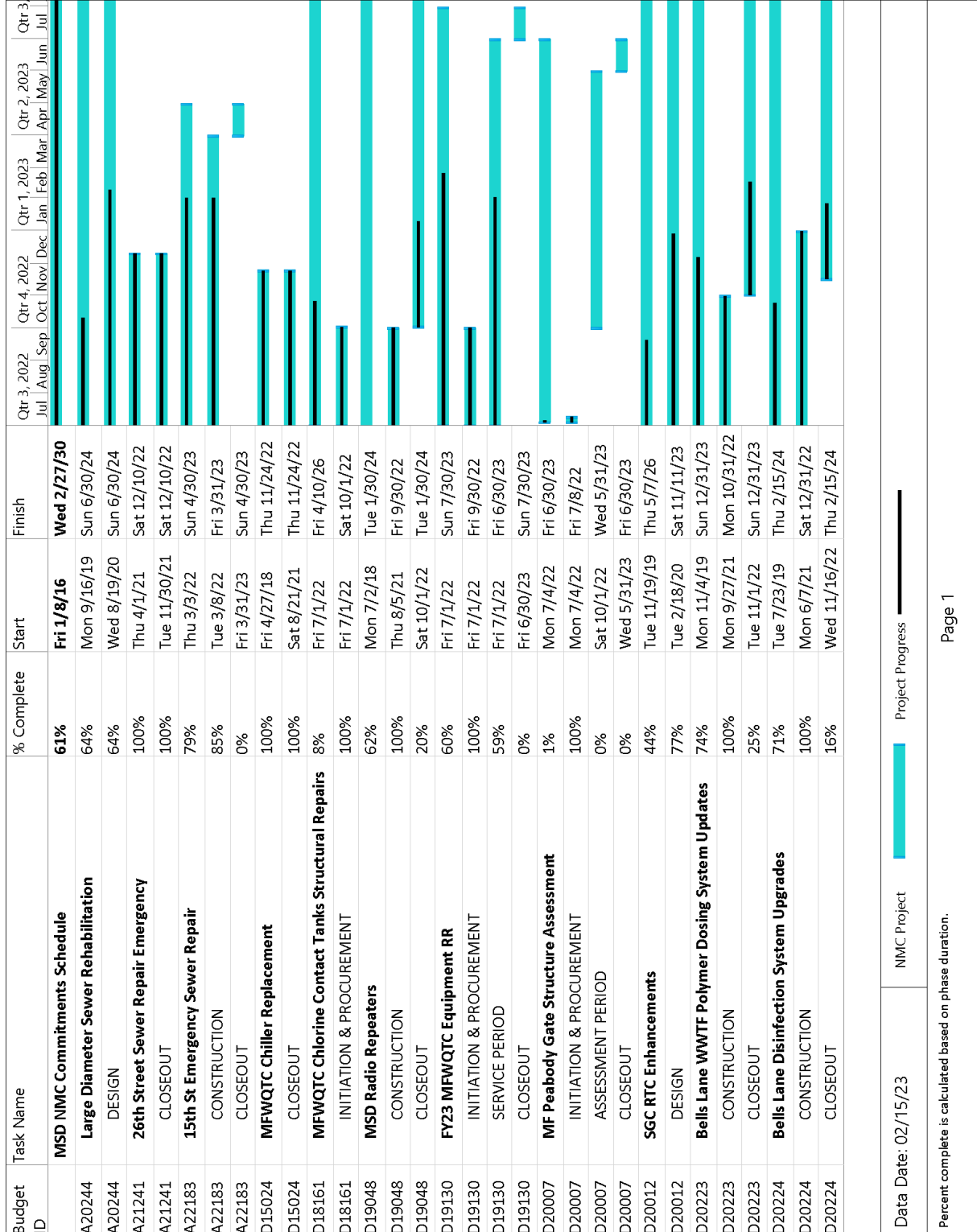
A Gantt chart including progress of NMC projects during the reporting period can be found in Figure 3.2.



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	X
BOD, Percent Removal	X	X	X	X	X	X
Chlorine, Residual	☉	☉	☉	☉	☉	☉
Dissolved Oxygen	X	☉	☉	☉	☉	☉
Fecal Coliform, 30 Day Geomean	☉	X	X	X	X	☉
Fecal Coliform, 7 Day Geomean	☉	X	X	X	X	☉
pH	☉	☉	☉	☉	☉	☉
TSS, 30 Day Secondary Effluent	X	X	X	X	X	X
TSS, 7 Day Effluent	X	X	X	X	X	X
TSS, Percent Removal	X	X	X	X	X	X

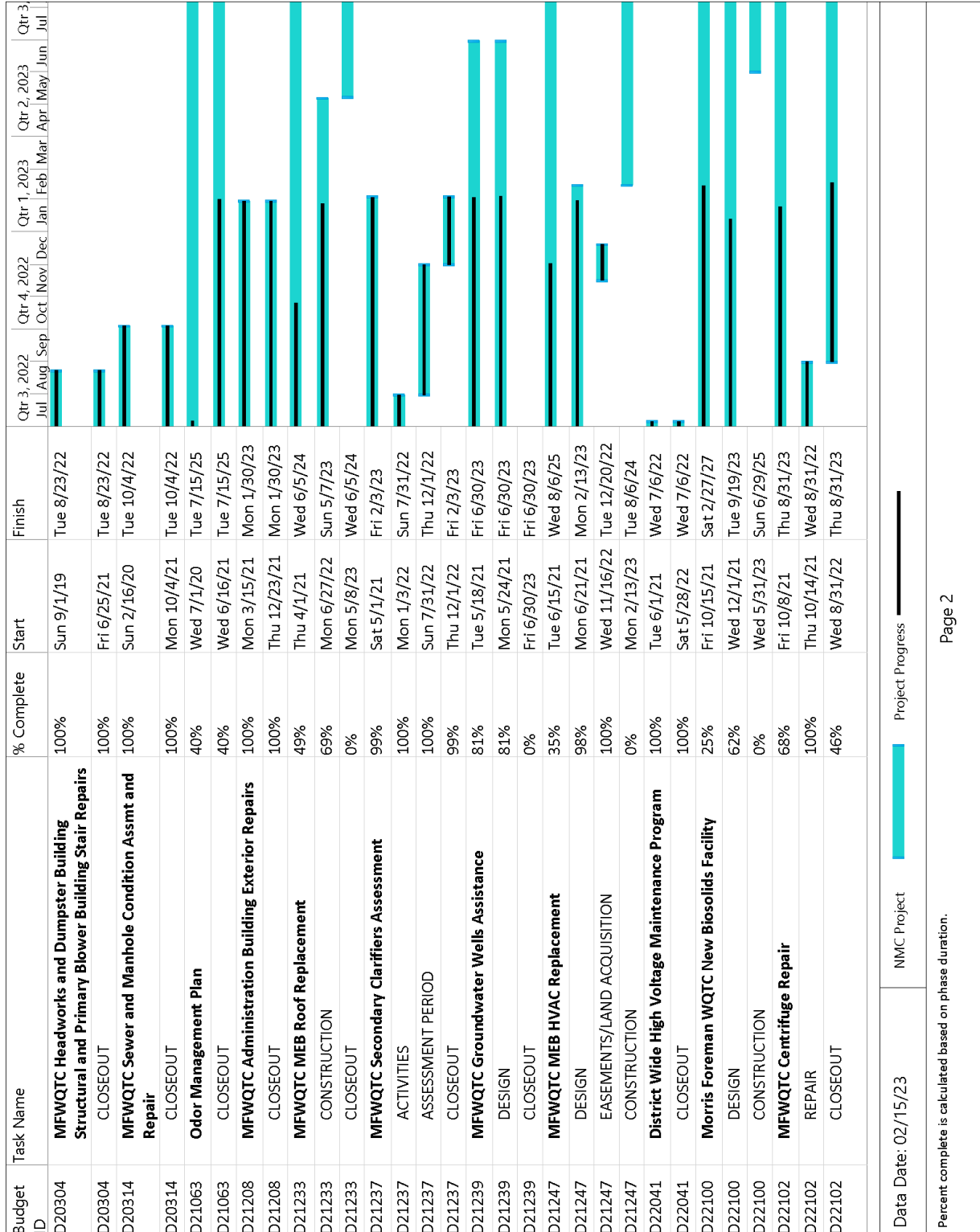
Figure 3.2. NMC Activity Schedule



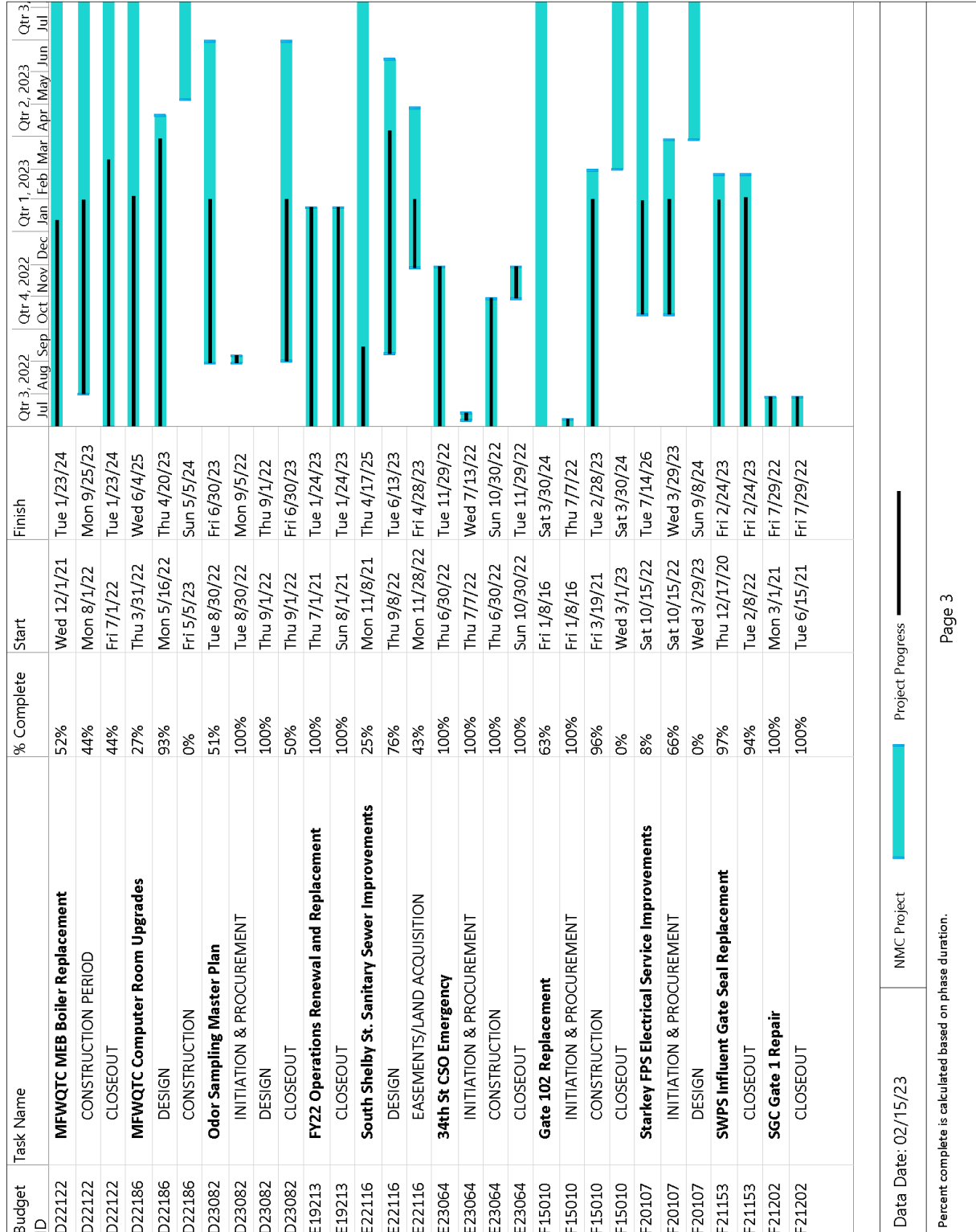
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**Figure 3.2. NMC Activity Schedule**

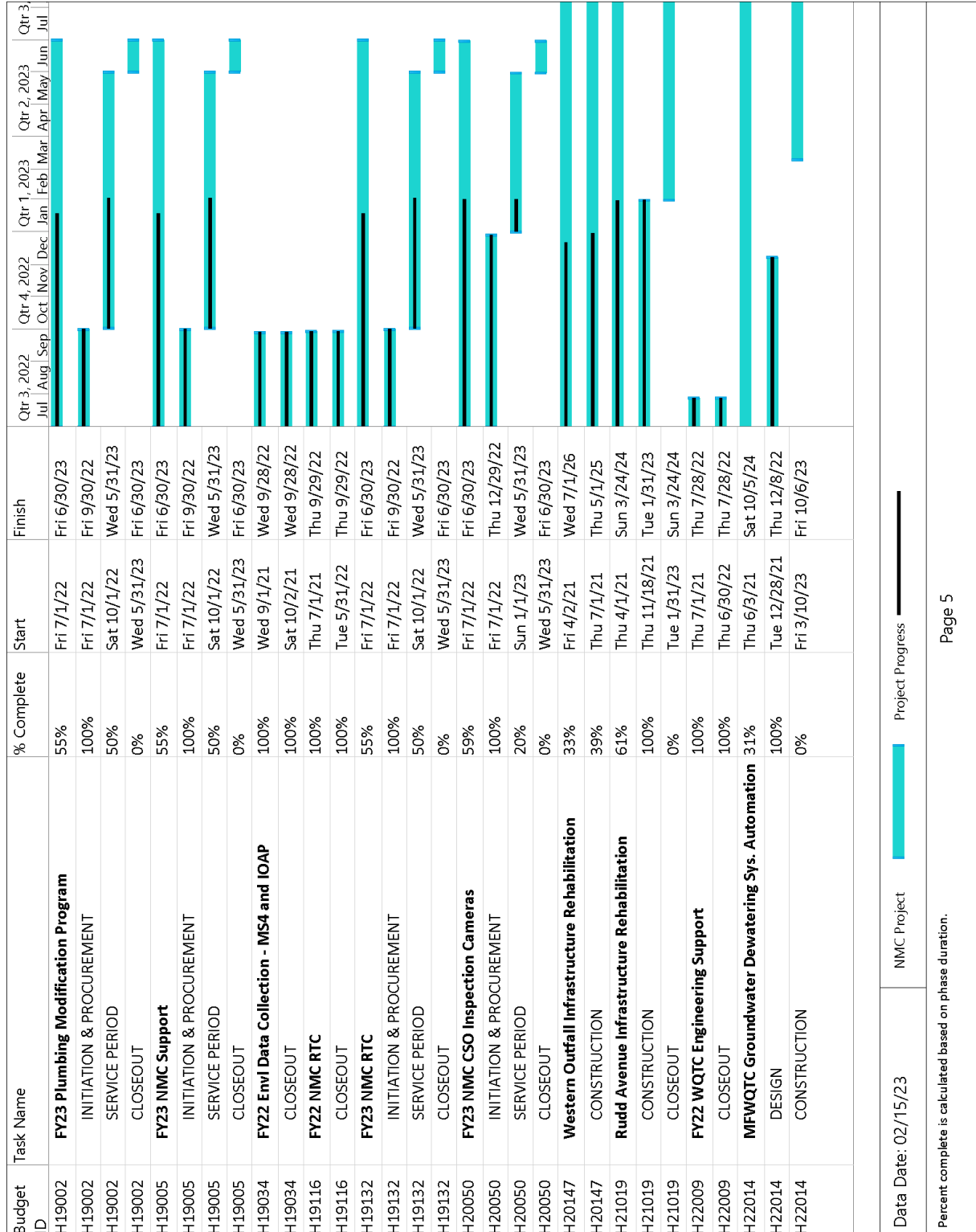


**Figure 3.2. NMC Activity Schedule**





**Figure 3.2. NMC Activity Schedule**

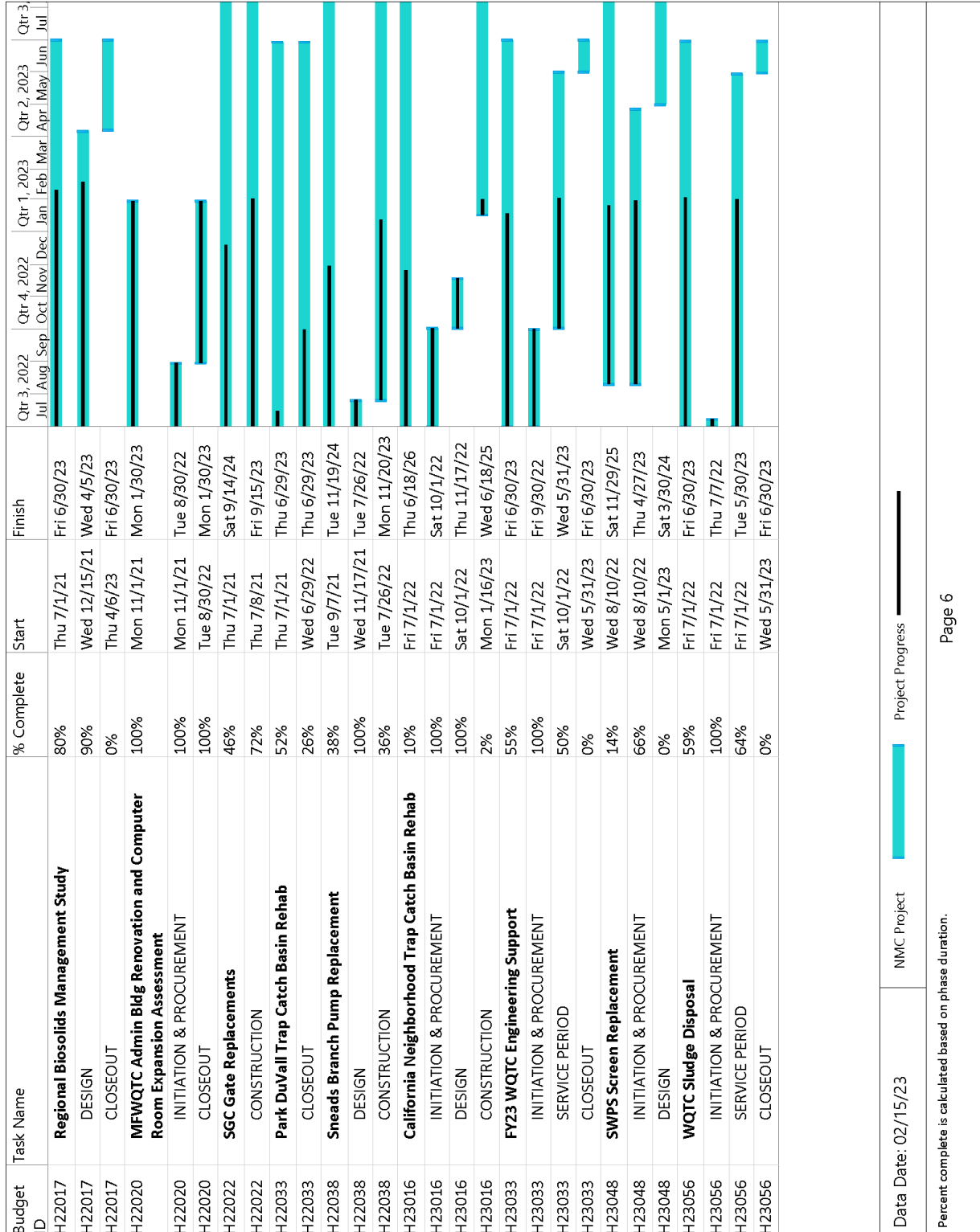




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Figure 3.2. NMC Activity Schedule



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

Per Paragraph 37.b. of the 2ACD, the CMOM Self-Assessment Report was approved by the KDEP/EPA on August 21, 2006. The approved document can be viewed on the MSD Project WIN website, [msdprojectwin.org](http://msdprojectwin.org). Highlights of CMOM program implementation are outlined below.

### 4.1. CAPACITY MANAGEMENT OPERATIONS AND MAINTENANCE PROGRAM ACTIVITIES

#### 4.1.1. MANAGEMENT PROGRAMS

##### 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 GREASE TREATMENT	0
CHEMICAL ROOT CONTROL	0
CLEANING ACTIVITIES	5,988
INSPECTION ACTIVITIES	1,135,724

##### 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](http://msdprojectwin.org).

- Reviewed wastewater capacity requests from private development as shown in Table 4.2.

Table 4.2. SCAP Wastewater Capacity Request Reviews

RESULT	REVIEWS	FLOW (GPD)
CONDITIONALLY APPROVED	258	6,419,486
APPROVED	11	-200
DENIED	4	7,900

- Running SCAP balance by sewershed can be found in Appendix J.
- MSD continues to monitor capacity request reporting for opportunities to improve. Credit projects have begun to address the negative balance identified in Floyds Fork sewershed and modifications to the credit calculation tool are underway to allow for updated reporting.

**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%	95.4%

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

Under the 2ACD, 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 2ACD 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 Figure 4.1.

**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%	87.0%

**4.3.2. HITE CREEK WATER QUALITY TREATMENT CENTER**

- Maintained permit compliance with effluent limitations during the reporting period.
- Completed expansion project to 9.0 MGD average daily flow.

#### **4.3.3. FLOYDS FORK WATER QUALITY TREATMENT CENTER**

- Maintained permit compliance with effluent limitations during the reporting period.
- Began construction of Tertiary Building Roof replacement.

#### **4.3.4. DEREK R. GUTHRIE WATER QUALITY TREATMENT CENTER**

- Maintained permit compliance with effluent limitations during the reporting period.
- Bid and awarded a construction contract for the RAS Pump Numbers 2 & 3 replacement. Completed design of the new Sodium Bisulfate Building.
- A lab upgrade project began construction.
- Wet Weather Pump Station WWSB HVAC Replacement project was bid for construction. Due to the non-responsiveness of the bidders, it will be re-bid.

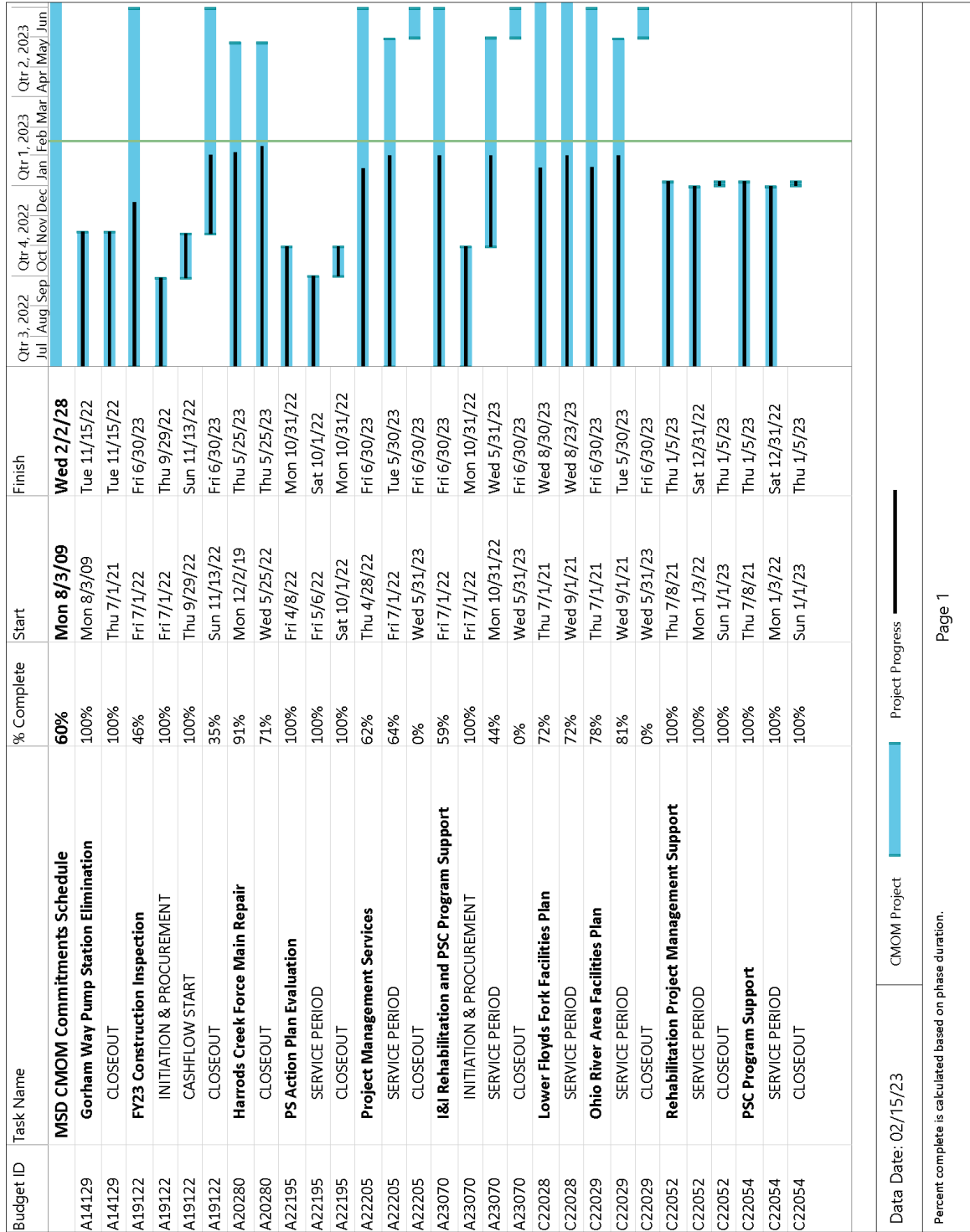
#### **4.3.5. CEDAR CREEK WATER QUALITY TREATMENT CENTER**

- Maintained permit compliance with effluent limitations during the reporting period.
- A project to install new decanters, tank covers, and odor control for the Solids Handling Tanks began construction.
- Design of a project to allow re-rating of the plant capacity to 9.0 MGD was completed and advertised for construction bids.

### **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**



Data Date: 02/15/23

CMOM Project
  Project Progress

Percent complete is calculated based on phase duration.



Figure 4.1. CMOM Activity Schedule

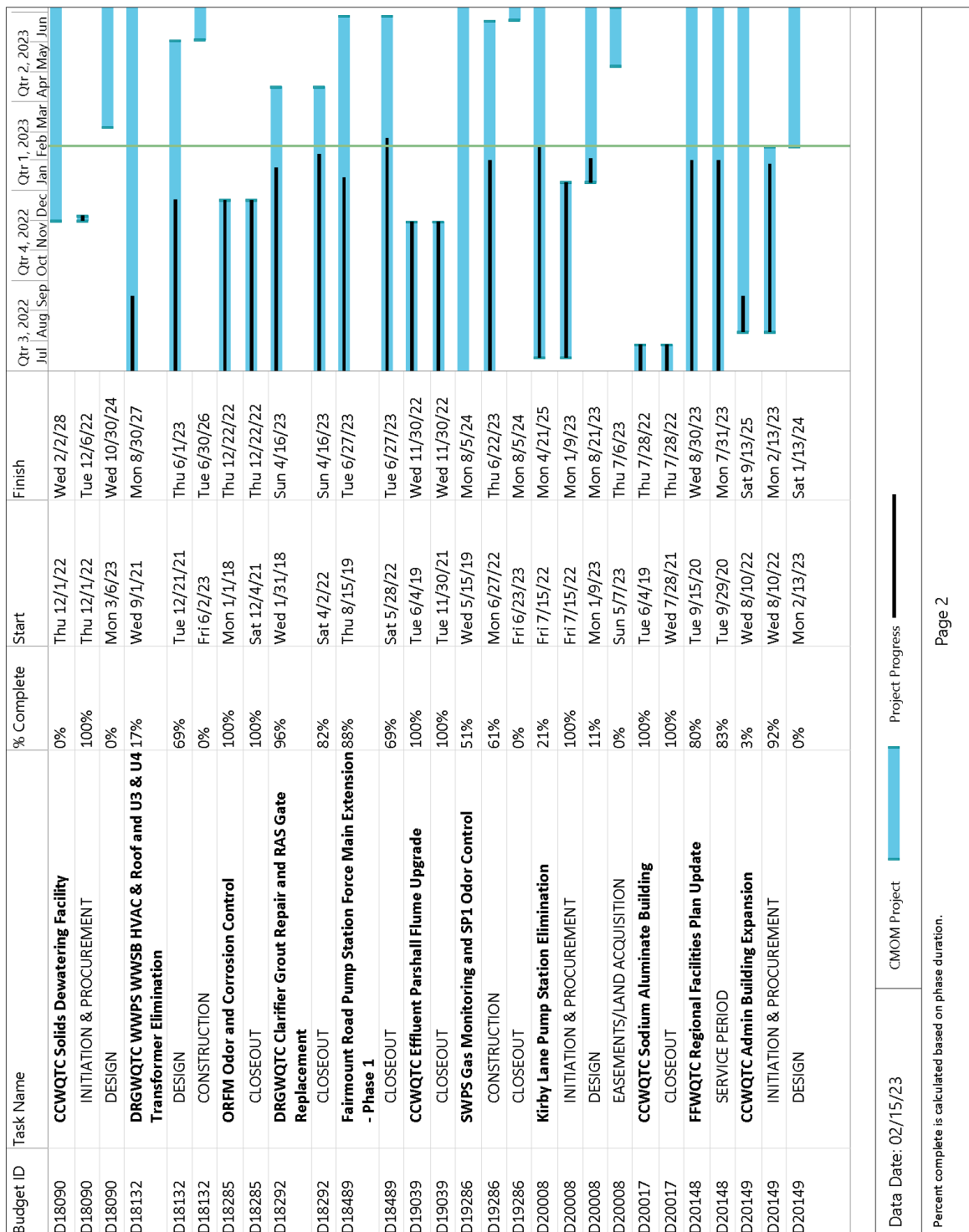
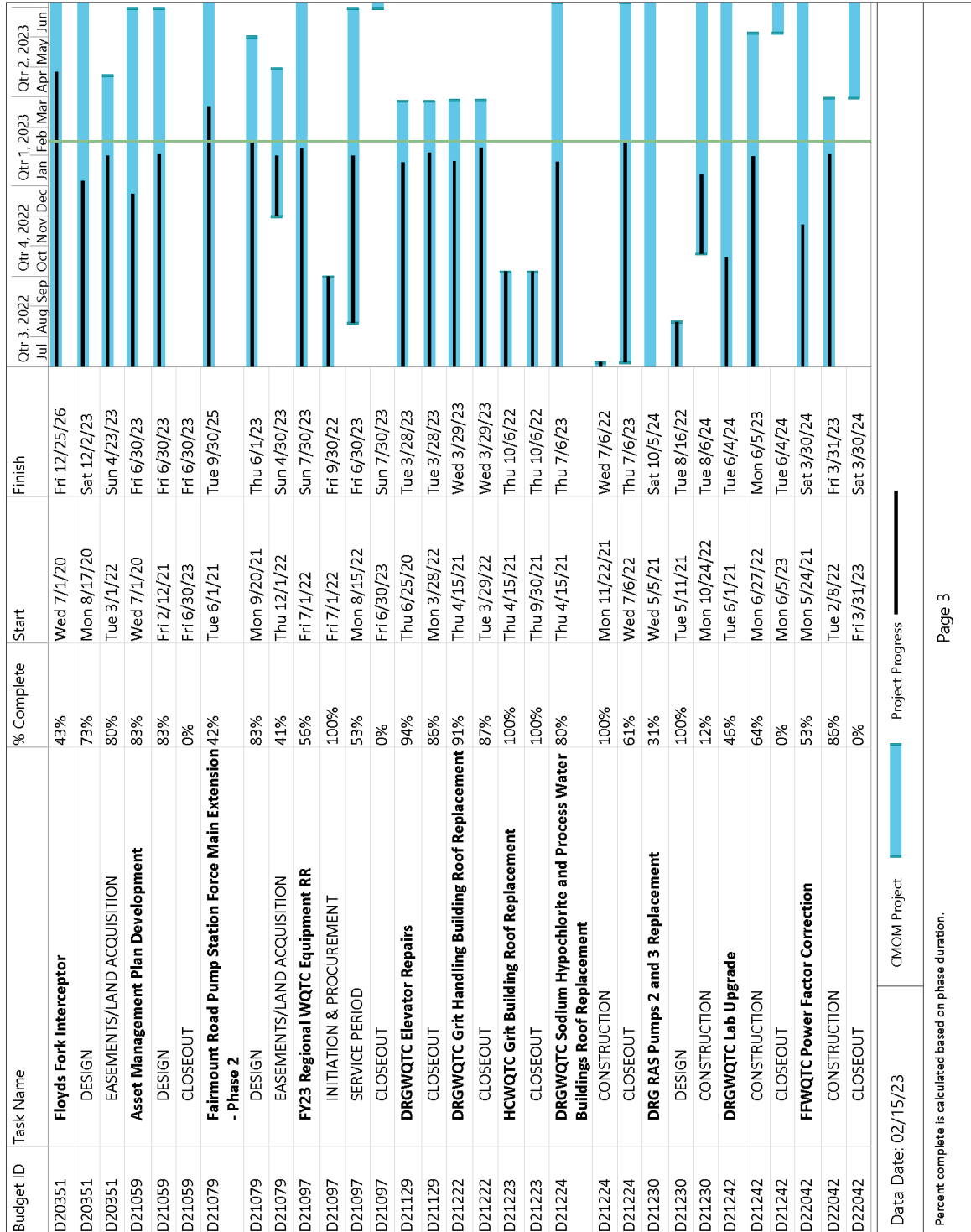


Figure 4.1. CMOM Activity Schedule

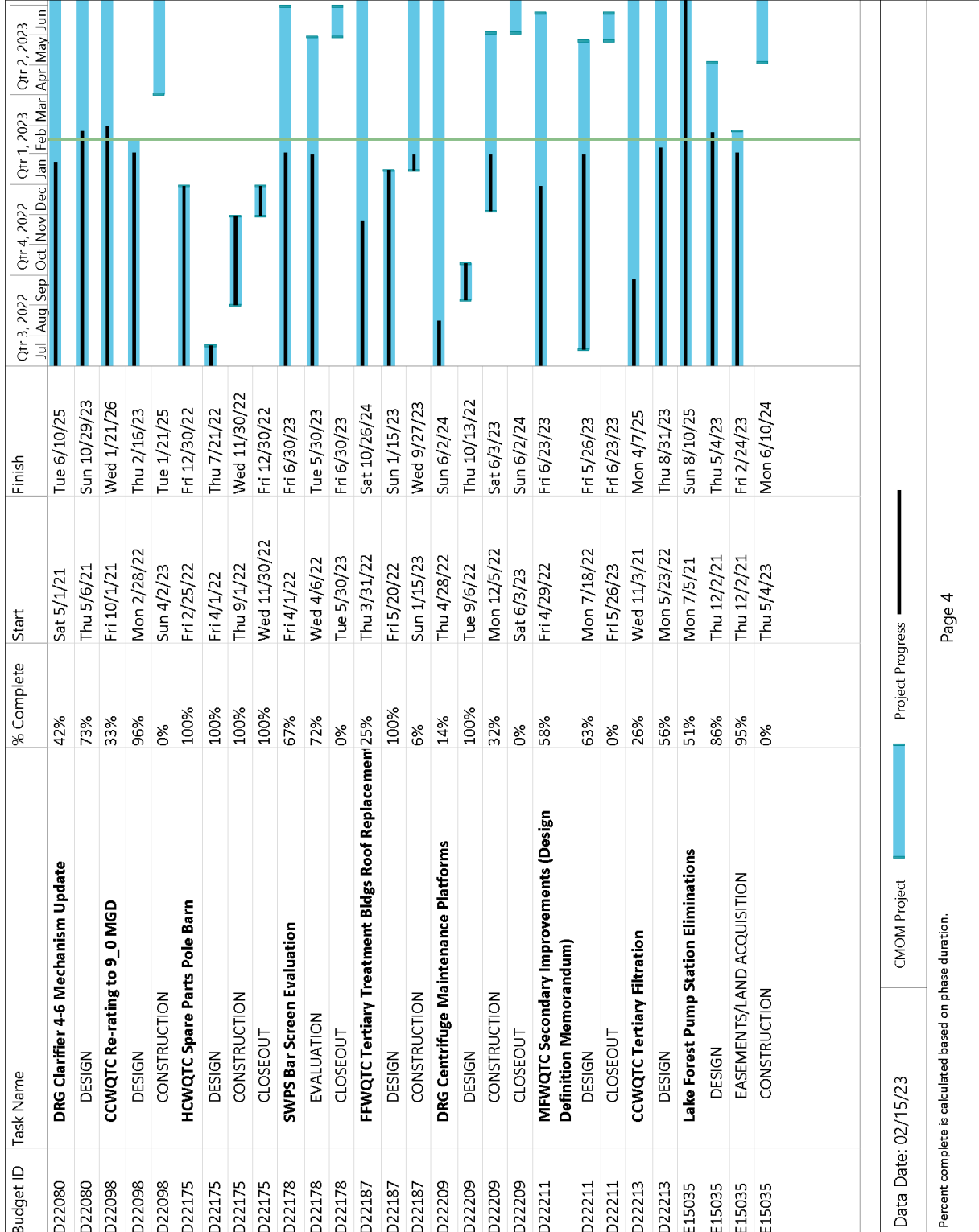




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**Figure 4.1. CMOM Activity Schedule**



Data Date: 02/15/23

CMOM Project

Project Progress

Percent complete is calculated based on phase duration.



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Figure 4.1. CMOM Activity Schedule

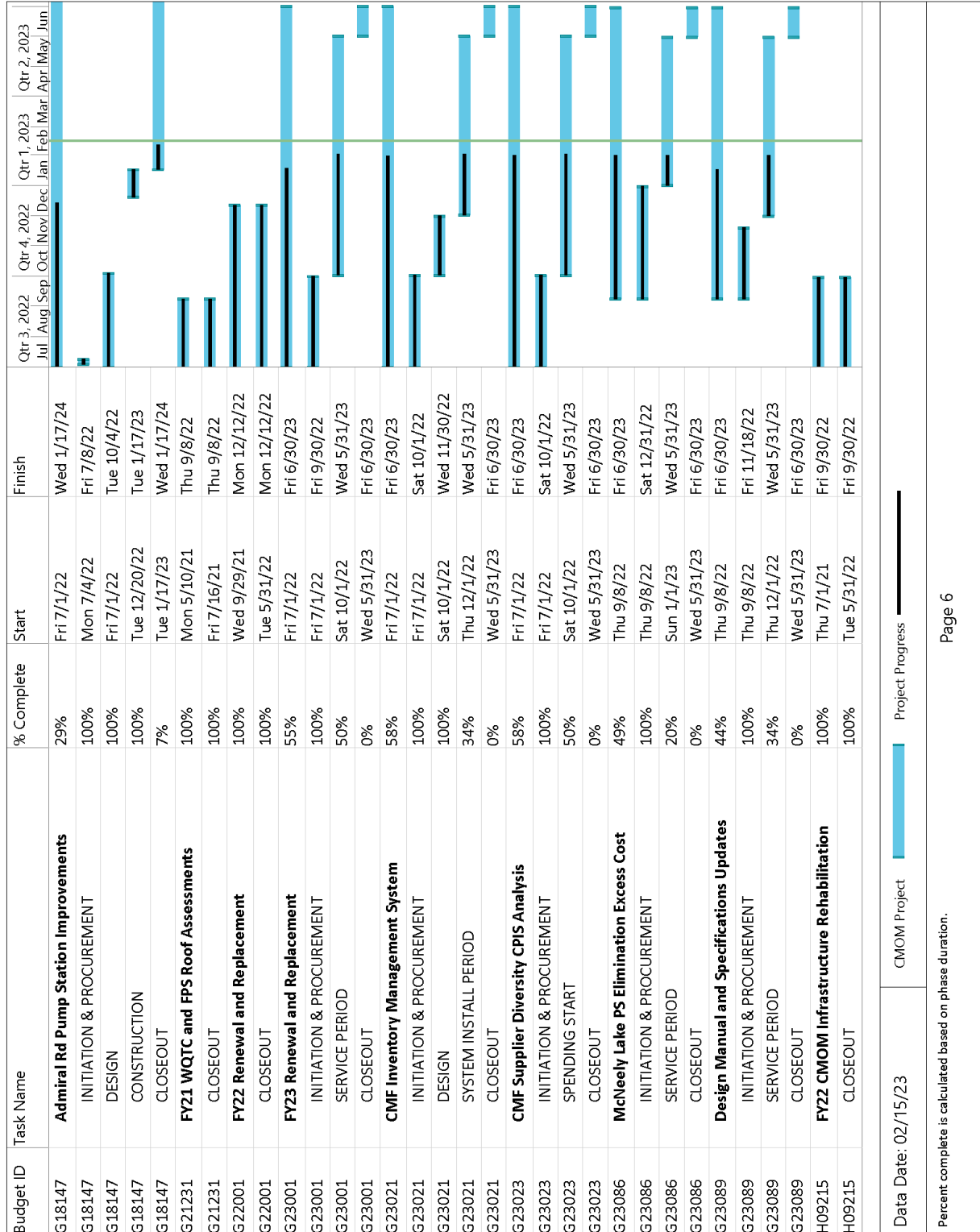
Budget ID	Task Name	% Complete	Start	Finish	Qtr 3, 2022			Qtr 4, 2022			Qtr 1, 2023			Qtr 2, 2023		
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
E18094	<b>FY23 CMOM Infrastructure Rehabilitation Program</b>	55%	Fri 7/1/22	Fri 6/30/23	[Gantt chart bars]											
E18094	INITIATION & PROCUREMENT	100%	Fri 7/1/22	Wed 7/6/22	[Gantt chart bars]											
E18094	SERVICE PERIOD	54%	Mon 8/8/22	Fri 6/30/23	[Gantt chart bars]											
E18094	CLOSEOUT	0%	Fri 6/30/23	Fri 6/30/23	[Gantt chart bars]											
E18470	<b>FY23 CMOM Collection System Pump Rehab &amp; Replacement</b>	59%	Fri 7/1/22	Fri 6/30/23	[Gantt chart bars]											
E18470	INITIATION & PROCUREMENT	100%	Fri 7/1/22	Tue 9/20/22	[Gantt chart bars]											
E18470	SERVICE PERIOD	53%	Tue 9/20/22	Wed 5/31/23	[Gantt chart bars]											
E18470	CLOSEOUT	0%	Wed 5/31/23	Fri 6/30/23	[Gantt chart bars]											
E21062	<b>Modesto Pump Station Elimination</b>	34%	Thu 6/3/21	Thu 7/25/24	[Gantt chart bars]											
E21062	DESIGN	100%	Sun 8/1/21	Thu 12/22/22	[Gantt chart bars]											
E21062	CONSTRUCTION	0%	Fri 2/3/23	Tue 7/25/23	[Gantt chart bars]											
E21066	<b>Piregue Court Pump Station Elimination</b>	34%	Thu 6/3/21	Thu 9/11/23	[Gantt chart bars]											
E21066	DESIGN	82%	Fri 10/1/21	Mon 9/11/23	[Gantt chart bars]											
E21066	EASEMENTS/LAND ACQUISITION	7%	Fri 11/18/22	Fri 5/26/23	[Gantt chart bars]											
E21070	<b>Rosa Terrace PS Elimination</b>	60%	Wed 7/1/20	Wed 6/26/24	[Gantt chart bars]											
E21070	CONSTRUCTION	77%	Wed 3/16/22	Fri 4/28/23	[Gantt chart bars]											
E21070	CLOSEOUT	0%	Fri 4/28/23	Wed 6/26/24	[Gantt chart bars]											
E21071	<b>Wathen Lane PS Rehabilitation</b>	46%	Wed 7/1/20	Mon 5/19/25	[Gantt chart bars]											
E21071	CONSTRUCTION	62%	Mon 5/2/22	Thu 7/20/23	[Gantt chart bars]											
E21071	CLOSEOUT	0%	Mon 2/6/23	Mon 5/19/25	[Gantt chart bars]											
E21090	<b>Somme Avenue PS Elimination</b>	61%	Wed 7/1/20	Wed 6/26/24	[Gantt chart bars]											
E21090	CONSTRUCTION	78%	Mon 3/7/22	Fri 4/28/23	[Gantt chart bars]											
E21090	CLOSEOUT	0%	Sat 4/29/23	Wed 6/26/24	[Gantt chart bars]											
E21091	<b>Sanders Lane PS Rehabilitation</b>	60%	Wed 7/1/20	Thu 9/26/24	[Gantt chart bars]											
E21091	CONSTRUCTION	59%	Mon 5/16/22	Sun 7/30/23	[Gantt chart bars]											
E2223	<b>Lantana Drive PS No 1 Elimination</b>	18%	Tue 6/7/22	Mon 12/8/25	[Gantt chart bars]											
E2223	INITIATION & PROCUREMENT	100%	Tue 6/7/22	Fri 8/12/22	[Gantt chart bars]											
E2223	DESIGN	42%	Mon 8/15/22	Tue 9/26/23	[Gantt chart bars]											
F20321	<b>Bluegrass Fields PS Renovation</b>	86%	Mon 3/16/20	Tue 7/11/23	[Gantt chart bars]											
F20321	CLOSEOUT	66%	Thu 6/2/22	Tue 7/11/23	[Gantt chart bars]											

Project Progress [Legend: Blue bar = CMOM Project]

Data Date: 02/15/23

Percent complete is calculated based on phase duration.

Figure 4.1. CMOM Activity Schedule



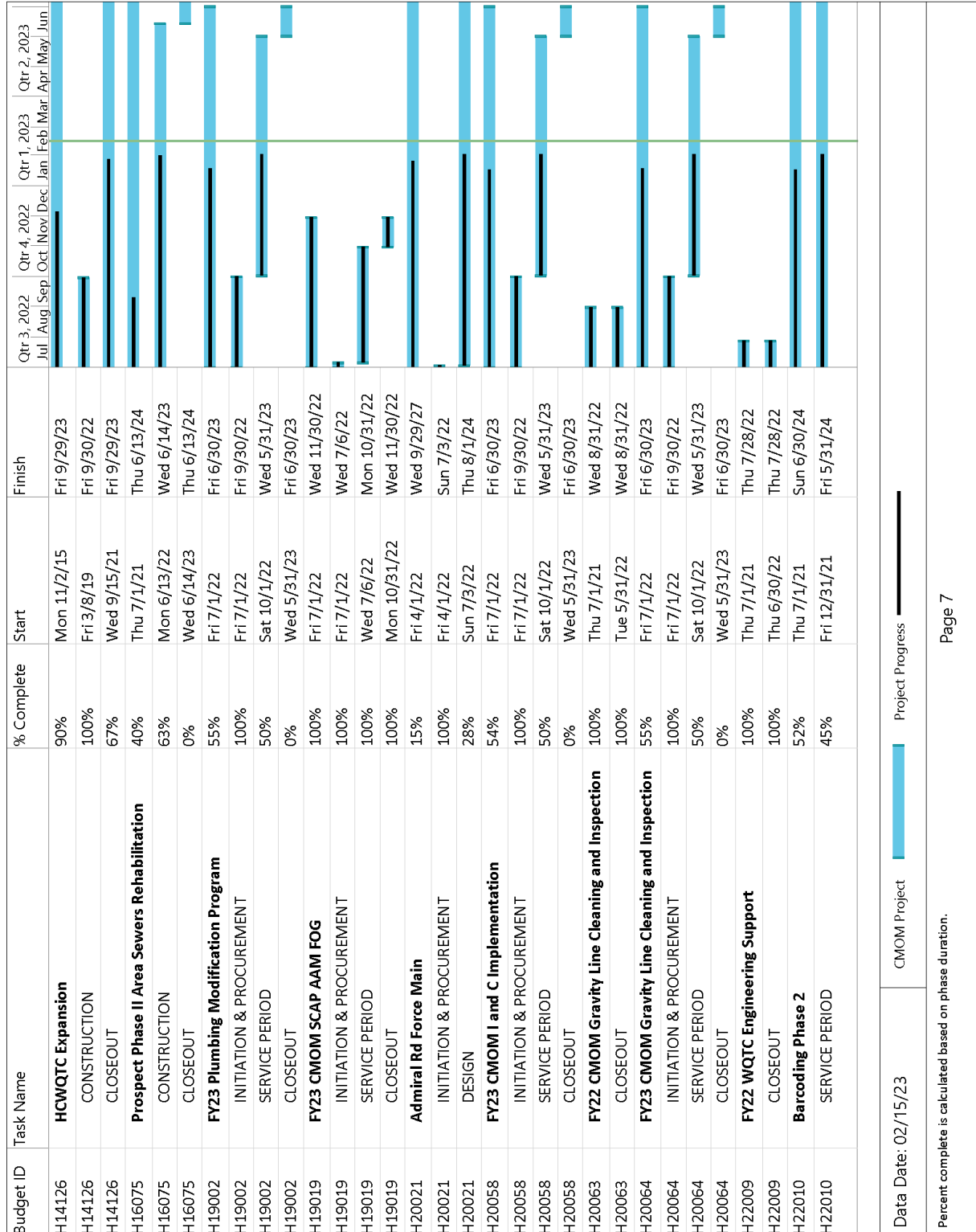
Data Date: 02/15/23

CMOM Project

Project Progress

Percent complete is calculated based on phase duration.

**Figure 4.1. CMOM Activity Schedule**



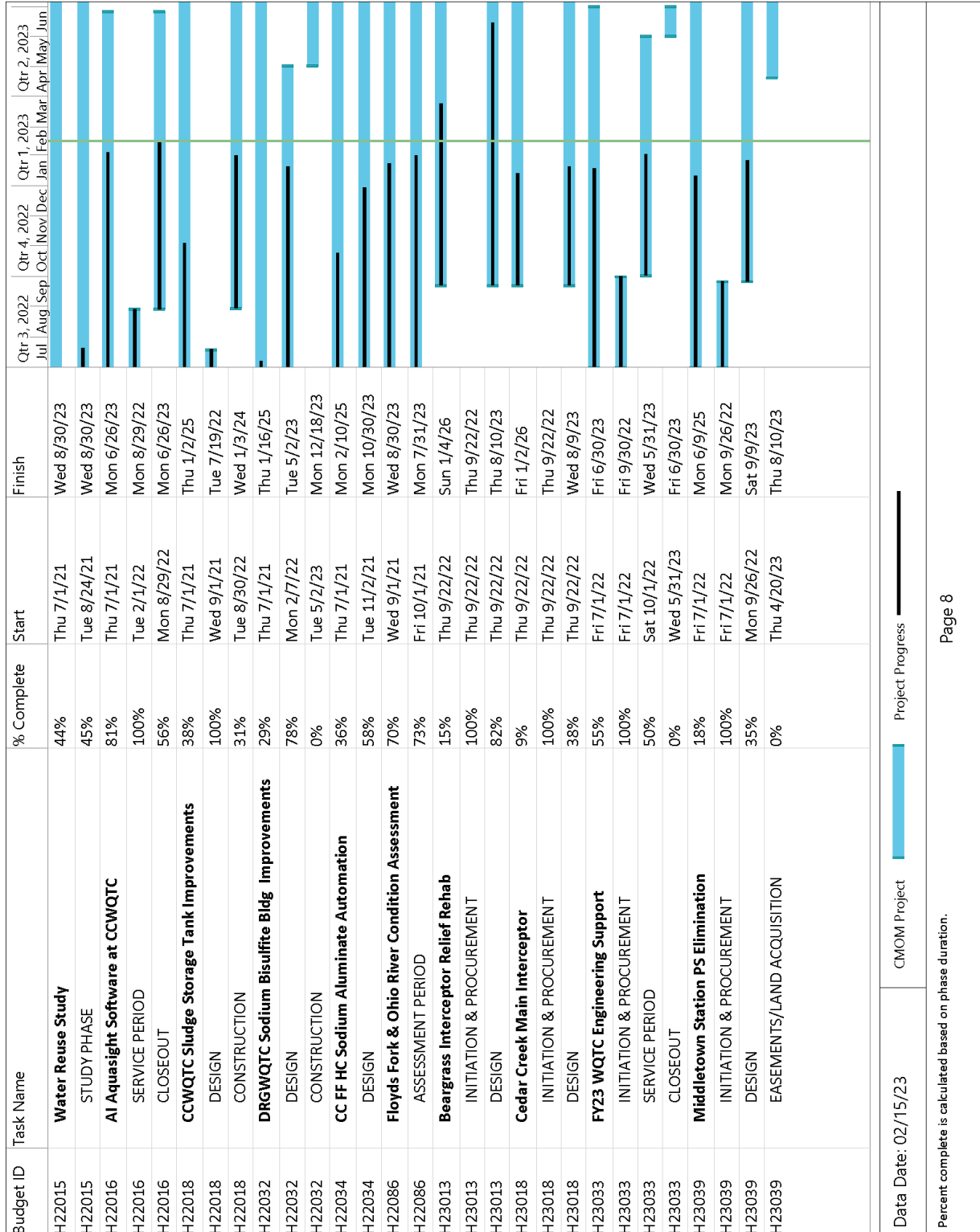
Data Date: 02/15/23

CMOM Project █ Project Progress █

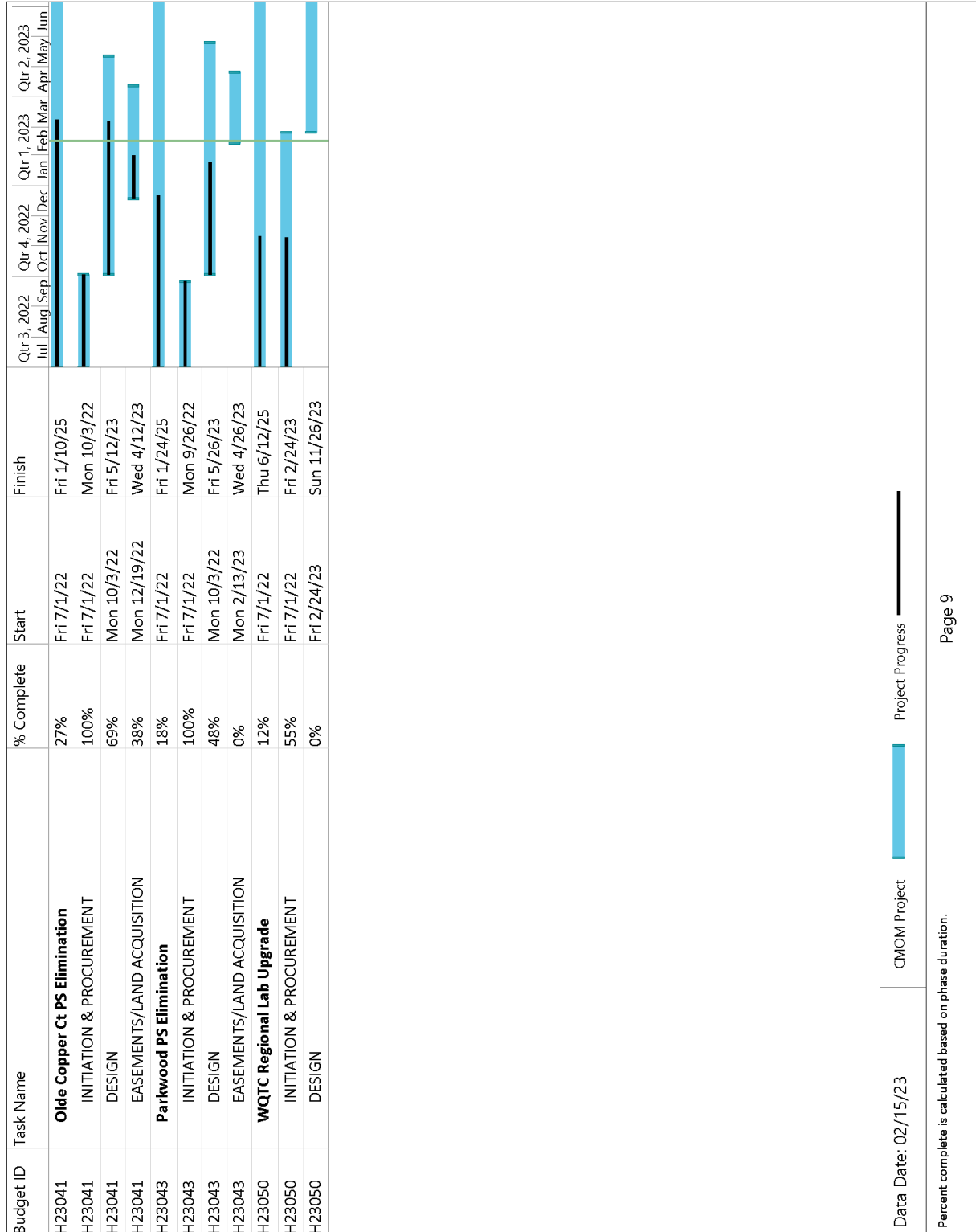
Percent complete is calculated based on phase duration.



Figure 4.1. CMOM Activity Schedule



**Figure 4.1. CMOM Activity Schedule**



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## **SECTION 5: PROGRAM ACTIVITIES FOR SEWER OVERFLOW RESPONSE PROTOCOL**

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](http://msdprojectwin.org). The following activities were performed during this reporting period.

### **5.1. 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.

## 5.2. OVERFLOW MANAGEMENT AND FIELD DOCUMENTATION

Overflows and unauthorized discharges to Waters of the US (WUS) during the reporting period were documented as described in Section 5.1.

Discharges that reached the WUS within 24 hours were reported, as shown in Table 5.1.

**Table 5.1. Discharge Notifications**

TOTAL DISCHARGES	REPORTED WITHIN 24 HOURS	RESULT
23	23	100%

Table 5.2 summarizes the volume of sewage in gallons that was hauled from pump stations to mitigate sanitary overflows.

**Table 5.2. Hauling Operations**

DUE TO	JUL	AUG	SEP	OCT	NOV	DEC
STRUCTURAL FAILURE	2,000	-	-	1,000	-	-

## 5.3. STAFF TRAINING & COMMUNICATION

MSD continued use of 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](http://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. Upon this annual review, no changes to procedures are proposed. As part of ongoing maintenance of the report, appendices related to system characterization, organizational structure, documented and suspected overflows, and wet weather inspection routes were updated. The latest SORP manual is available on MSD's Project WIN website, [msdprojectwin.org](http://msdprojectwin.org).





## 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, stormwater 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

MSD has coordinated with Metro TV to air broadcasts of public input meetings and education about MSD's services and initiatives summarized in Table 6.1. More information about public information meetings can be found in Section 6.3.1.

Table 6.1. Metro TV Broadcasts

PROJECT	PHASE	AIRINGS
Ohio River Tunnel	Construction Meeting	34
Clean Water Act	Educational Content	14
Stormwater Drainage <sup>1</sup>	Educational Content	11
Waterway Protection Tunnel	Commissioning	11

1 Includes information about source control, green infrastructure, and the CIAIRity program

#### 6.2.2. DIGITAL MEDIA ACTIVITIES

Social media, MSD's website ([louisvillemsd.org](http://louisvillemsd.org)), and MSD's Project WIN website ([msdprojectwin.org](http://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.

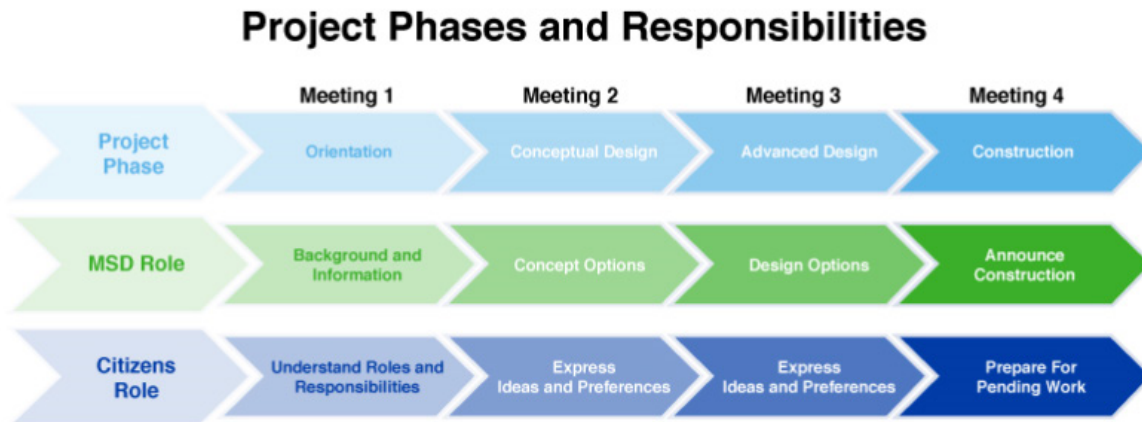
#### 6.3.1. IOAP PROJECT AND PROGRAM MEETINGS

##### 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 gather public input on efforts.

- A Wet Weather Team meeting was held on December 7, 2022.
- A Wet Weather Team meeting is anticipated to be scheduled during the upcoming reporting period.

Figure 6.1. MSD’s Significant Capital Project Meeting Process



**6.3.1.2. PUBLIC MEETINGS FOR SIGNIFICANT CAPITAL PROJECTS**

Public outreach compliments the public education components of Project WIN by engaging and seeking input from community stakeholders in order to successfully implement significant capital projects. The four-phase process for applicable Significant Capital Projects is illustrated in Figure 6.1. MSD has also adapted to allow virtual meeting forums that remove barriers for customers to participate and often supplements stakeholder meetings with educational outreach videos and informational materials available on social media, TV, and radio. MSD held one Significant Capital Project meeting during the current reporting period – The Waterway Protection Tunnel ribbon-cutting celebrated on October 18, 2022. IOAP meeting and additional program information continued to air as summarized in Table 6.1. Additional information regarding the Structured Public Involvement Process and meetings held during this reporting period may be found on the MSD Project WIN website, [msd-projectwin.org/public-input](https://msd-projectwin.org/public-input).

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## **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](https://msdprojectwin.org).

### **7.1. STRATEGIC ASSET MANAGEMENT PLAN**

Per Paragraph 40, the AM program should provide a long-term maintenance and funding strategy for the rehabilitation and renewal of MSD's aging sewer system and WQTC infrastructure, including practices and procedures to ensure that planned maintenance can be conducted and capital assets can be repaired, replaced or upgraded on time with funding available to cover the costs. MSD developed a Strategic Asset Management Plan (SAMP) that, when approved, will be the primary document that guides MSD's efforts in the administration of asset management activities. It brings focus to the strategy for improved asset management, and provides the overarching framework for achieving the mission, strategic goals, and critical success factors of the AM Program, as described in the AM Program Charter. Rather than being an extensive manual of practice on AM, the SAMP is a concise framework that creates a consistent approach for all MSD divisions which operate and maintain the assets. The SAMP framework provides the "rule book" for how facility and system plans will be created and implemented to help meet the established service level expectations and other operational objectives at the lowest life cycle cost.

The SAMP serves several purposes:

- Provides a standardized approach for the overall AM framework and business rules across all facilities and systems.
- Provides information about the information systems where the asset inventory data are located.
- Provides criticality criteria to determine individual asset inspection, replacement, and rehabilitation rankings.
- Provides information on the established levels of service (LOS) and performance measures.
- Identifies condition assessment, operation and maintenance, and renewal and replacement strategies and techniques.
- Identifies currently known data requirements and program enhancements.
- Provides a framework for capital planning and decision making.

In addition to the SAMP, Tactical Asset Management Plans (TAMPs) will define activities at the facility level. An Implementation Plan, or AM Roadmap, defines the sequencing, scheduling, and prioritization of asset management program activities. The AM Roadmap includes prioritized SAMP improvement strategies recommended for the ultimate fulfillment of a successful AM program.

Per Paragraph 40.d., KDEP, EPA and MSD acknowledge that implementation of the SAMP will result in the plan becoming a dynamic document that will be updated over time with greater specificity regarding specific projects for rehabilitation. The SAMP will be reviewed annually, and any significant changes to the SAMP submitted on June 30, 2021, will be documented in subsequent 2ACD Annual Reports and the updated document will be posted on MSD's 2ACD website, [msdprojectwin.org](https://msdprojectwin.org).

### **7.2. TACTICAL ASSET MANAGEMENT PLANS**

In recognition of the fact that each facility and system owned and operated has specific assets, conditions, and requirements under which they are operated, the management of these facility and system assets are also gov-

erned by TAMPs. The TAMP structure is like that of the SAMP, but the TAMP describes the specifics for AM at a particular location or within a particular system and identifies actions that are being implemented to achieve the standards and goals listed in the SAMP.

As TAMPs are completed, sections will be added to subsequent 2ACD Annual Reports. The TAMP will also be updated annually, and any significant changes to the TAMPs or progress updates will be documented in subsequent 2ACD Annual Reports.

### **7.2.1. MORRIS FORMAN WQTC TAMP**

- Continued asset inventory refinement and move to IPS production.
- Continued development of buried asset registry.
- Began documentation of asset class plans and structured maintenance job plans for review.
- Continued development of dashboards in Power BI to monitor asset inventory compliance, work documentation compliance, and levels of service/performance measure attainment.

### **7.2.2. PUMP STATIONS, FORCE MAINS, AND GATES (PSFMG) TAMP**

- Completed physical asset inventory, labeling and condition and import to IPS development environment for refinement.
- Continued development of dashboards in Power BI to monitor asset inventory compliance, work documentation compliance, and levels of service/performance measure attainment.

### **7.2.3. CEDAR CREEK WQTC TAMP**

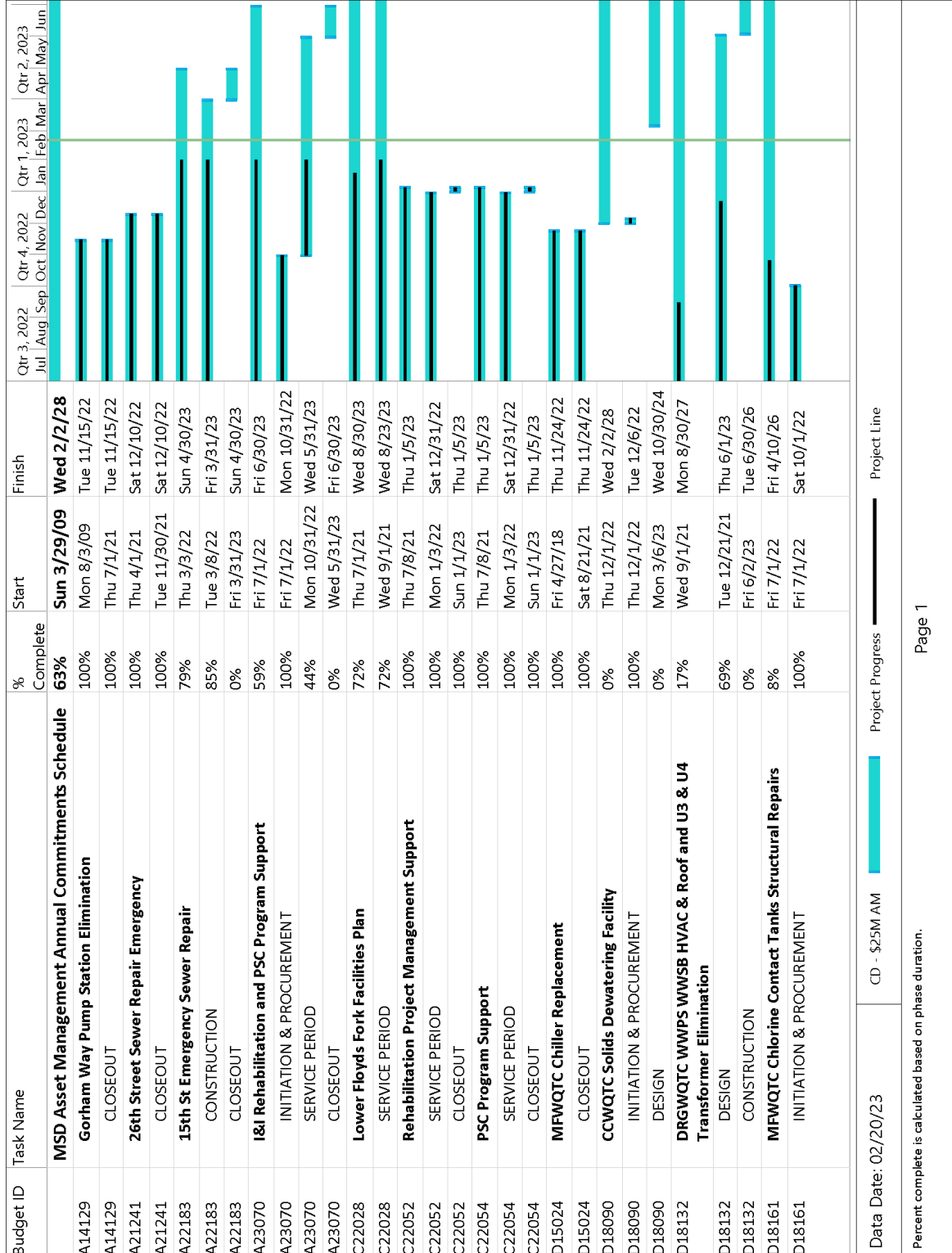
- Began TAMP development October 12, 2022. TAMP includes facility overview; definitions of levels of service and performance measures to be developed; documentation of asset classes and hierarchy; documentation of critical processes/subprocesses and risk register; documentation of condition assessment methods; and documentation of renewal/replacement justification.
- Completed physical asset inventory, labeling and condition and import to IPS development environment for refinement.
- Began development of dashboards in Power BI to monitor asset inventory compliance, work documentation compliance, and levels of service/performance measure attainment.

## **7.3. AM ACTIVITY SCHEDULE**

When reviewing the look-ahead for future asset management needs, the Admiral Way Force Main Diversion Project will be critical for SSO reduction and system Asset Management commitments. This budgeted solution will help mitigate capacity issues in the Fishpool Interceptor and address existing overflows at manholes 93703 and 93705 to a 2-year level of control. This project has also been reported in Appendix H as the Asset Management Program solution for resolving SSOs at these locations. The project is currently in design with spending to be reflected in the next reporting period's Asset Management costs.

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





## SECOND AMENDED CONSENT DECREE MID-YEAR STATUS REPORT FY23 JULY 1, 2022 - DECEMBER 31, 2022

**Figure 7.1. Asset Management Schedule**







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

Budget ID	Task Name	% Complete	Start	Finish	Qtr 3, 2022												Qtr 1, 2023			Qtr 2, 2023		
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
D21224	<b>DRGWQTC Sodium Hypochlorite and Process Water Buildings Roof Replacement</b>	80%	Thu 4/15/21	Thu 7/6/23	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21224	CONSTRUCTION	100%	Mon 11/22/21	Wed 7/6/22	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21224	CLOSEOUT	61%	Wed 7/6/22	Thu 7/6/23	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21230	<b>DRG RAS Pumps 2 and 3 Replacement</b>	31%	Wed 5/5/21	Sat 10/5/24	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21230	DESIGN	100%	Tue 5/11/21	Tue 8/16/22	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21230	CONSTRUCTION	12%	Mon 10/24/22	Tue 8/6/24	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21233	<b>MFWQTC MEB Roof Replacement</b>	49%	Thu 4/1/21	Wed 6/5/24	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21233	CONSTRUCTION	69%	Mon 6/27/22	Sun 5/7/23	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21233	CLOSEOUT	0%	Mon 5/8/23	Wed 6/5/24	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21237	<b>MFWQTC Secondary Clarifiers Assessment</b>	99%	Sat 5/1/21	Fri 2/3/23	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21237	ACTIVITIES	100%	Mon 1/3/22	Sun 7/31/22	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21237	ASSESSMENT PERIOD	100%	Sun 7/31/22	Thu 12/1/22	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21237	CLOSEOUT	99%	Thu 12/1/22	Fri 2/3/23	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21239	<b>MFWQTC Groundwater Wells Assistance</b>	81%	Tue 5/18/21	Fri 6/30/23	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21239	DESIGN	81%	Mon 5/24/21	Fri 6/30/23	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21239	CLOSEOUT	0%	Fri 6/30/23	Fri 6/30/23	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21242	<b>DRGWQTC Lab Upgrade</b>	46%	Tue 6/1/21	Tue 6/4/24	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21242	CONSTRUCTION	64%	Mon 6/27/22	Mon 6/5/23	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21242	CLOSEOUT	0%	Mon 6/5/23	Tue 6/4/24	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21247	<b>MFWQTC MEB HVAC Replacement</b>	35%	Tue 6/15/21	Wed 8/6/25	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21247	DESIGN	98%	Mon 6/21/21	Mon 2/13/23	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21247	EASEMENTS/LAND ACQUISITION	100%	Wed 11/16/22	Tue 12/20/22	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D21247	CONSTRUCTION	0%	Mon 2/13/23	Tue 8/6/24	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D22041	<b>District Wide High Voltage Maintenance Program</b>	100%	Tue 6/1/21	Wed 7/6/22	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D22041	CLOSEOUT	100%	Tue 6/1/21	Wed 7/6/22	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D22041	CLOSEOUT	100%	Sat 5/28/22	Wed 7/6/22	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D22042	<b>FFWQTC Power Factor Correction</b>	53%	Mon 5/24/21	Sat 3/30/24	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D22042	CONSTRUCTION	86%	Tue 2/8/22	Fri 3/31/23	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D22042	CLOSEOUT	0%	Fri 3/31/23	Sat 3/30/24	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D22080	<b>DRG Clarifier 4-6 Mechanism Update</b>	42%	Sat 5/1/21	Tue 6/10/25	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		
D22080	DESIGN	73%	Thu 5/6/21	Sun 10/29/23	[Gantt bars showing progress]												[Gantt bars showing progress]			[Gantt bars showing progress]		

Data Date: 02/20/23 CD - \$25M AM Project Progress Project Line

Percent complete is calculated based on phase duration.



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**Figure 7.1. Asset Management Schedule**

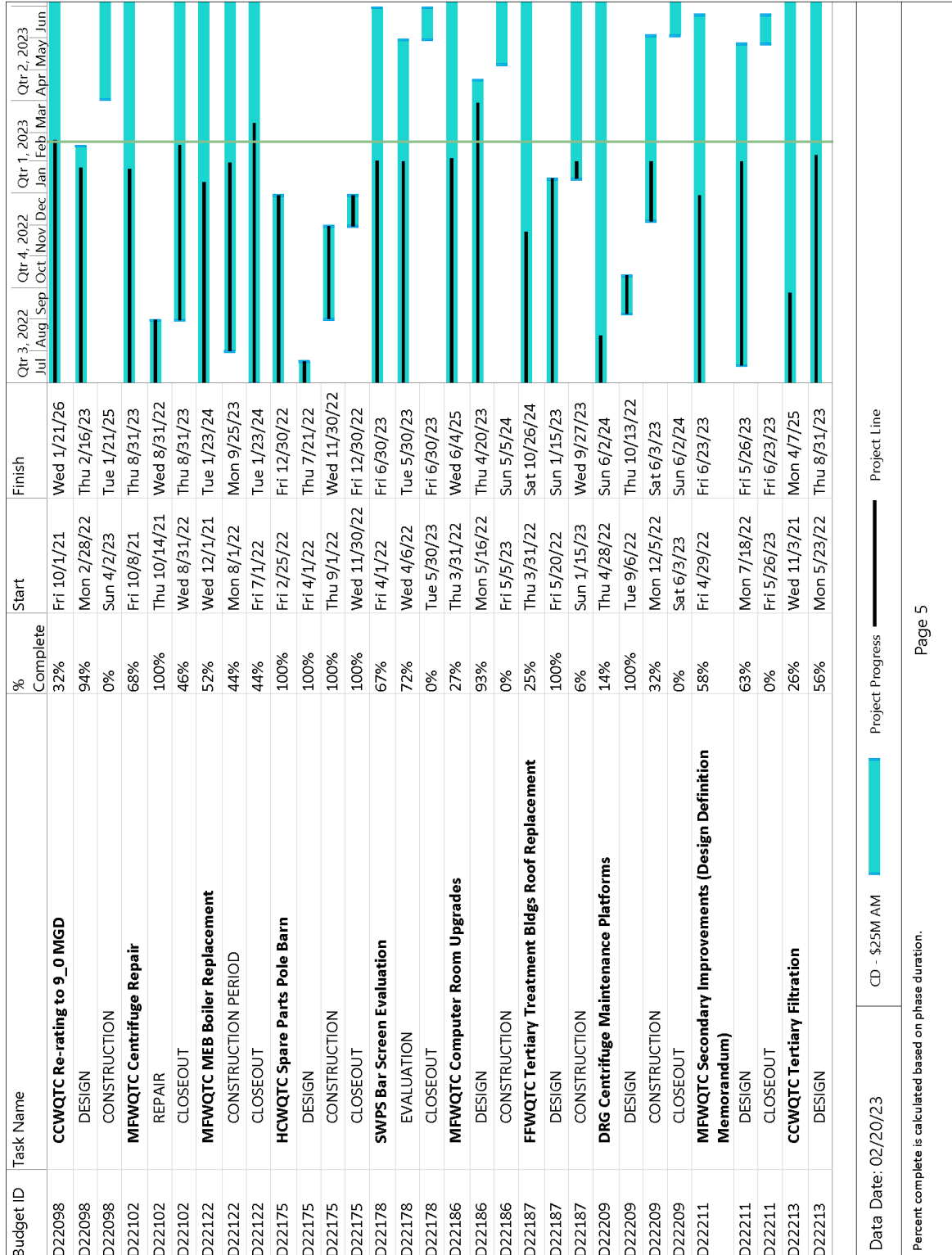


Figure 7.1. Asset Management Schedule



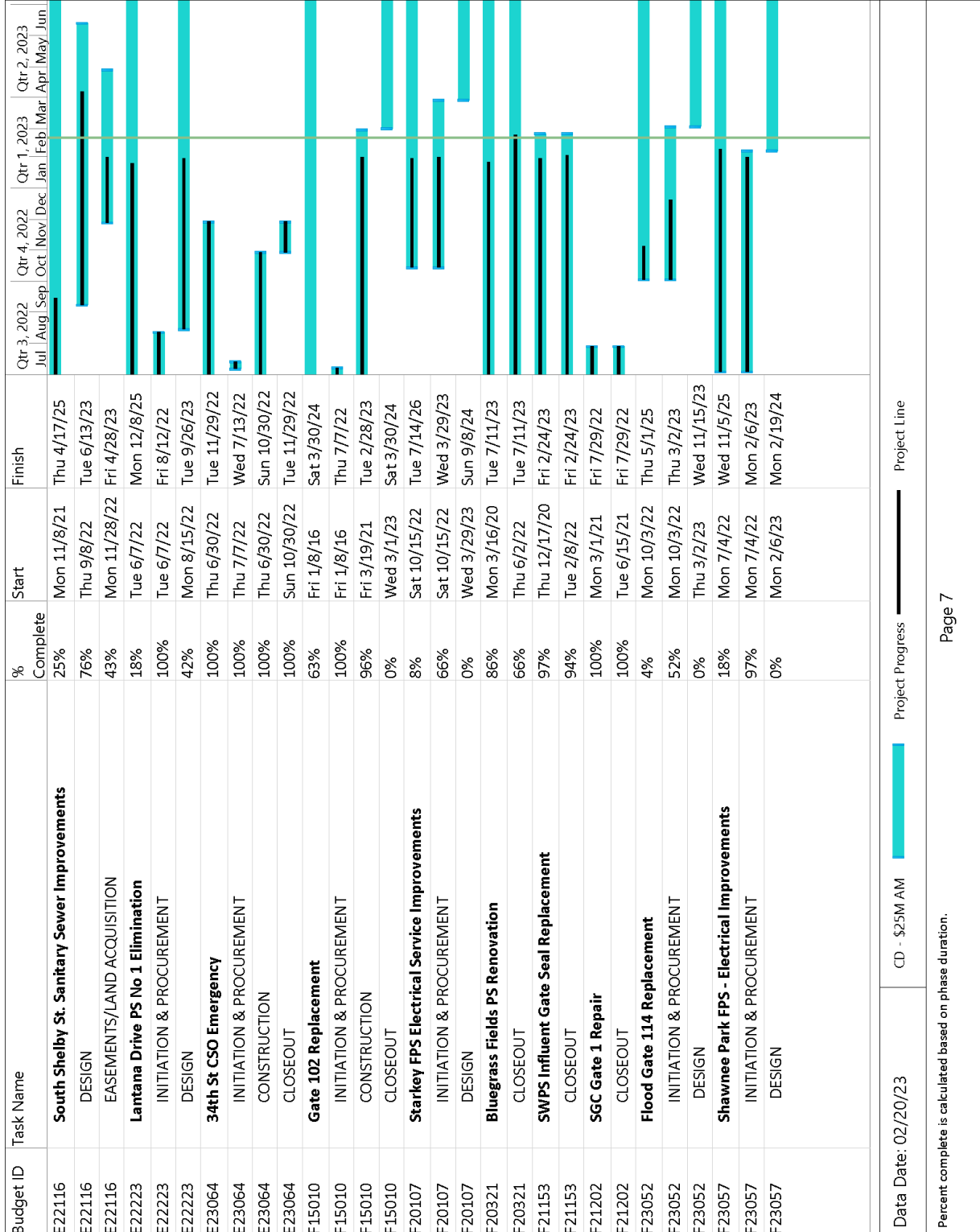
Data Date: 02/20/23 CD - \$25M AM █ Project Progress █ Project Line █

Percent complete is calculated based on phase duration.

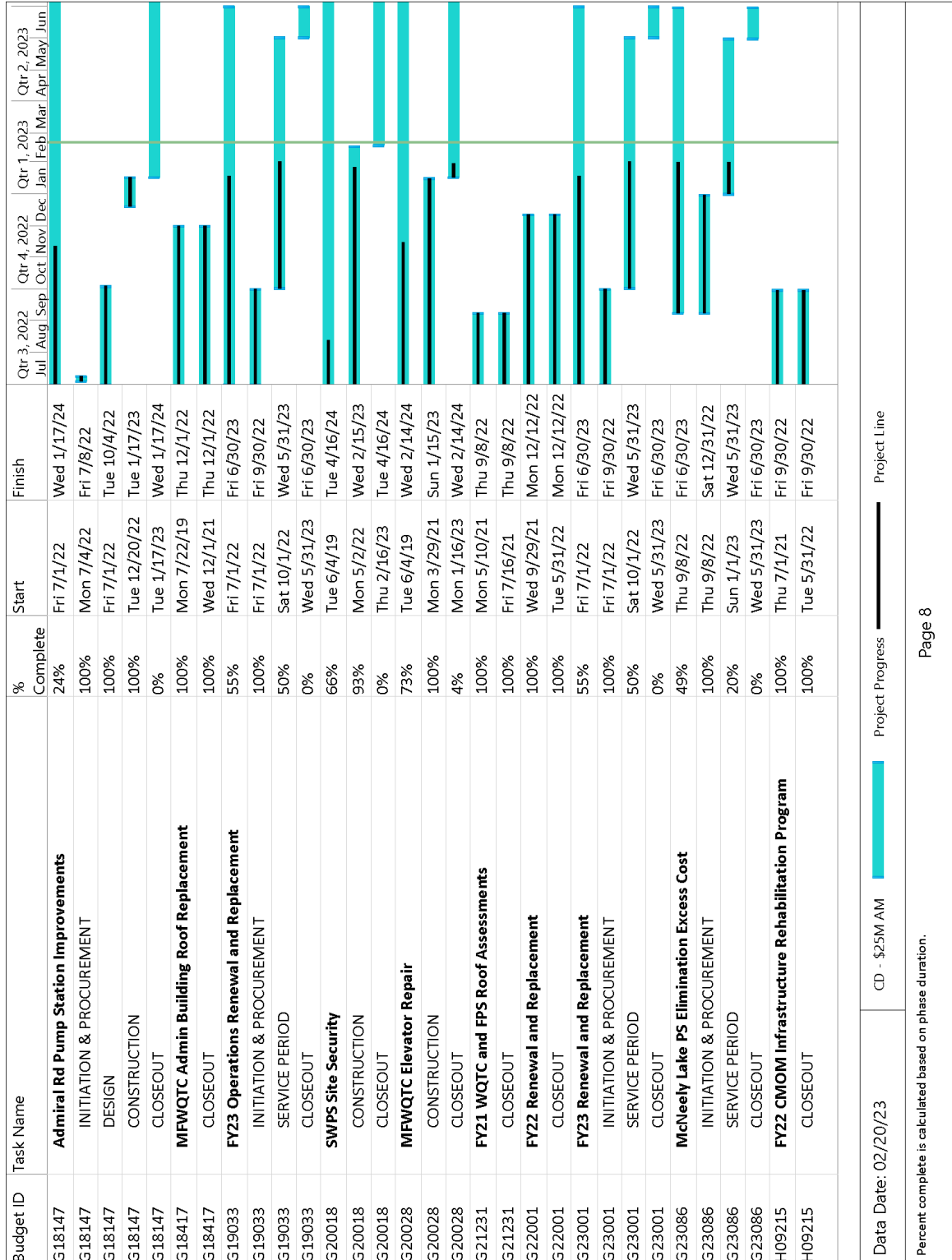
**SECOND AMENDED CONSENT DECREE  
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**Figure 7.1. Asset Management Schedule**



**Figure 7.1. Asset Management Schedule**



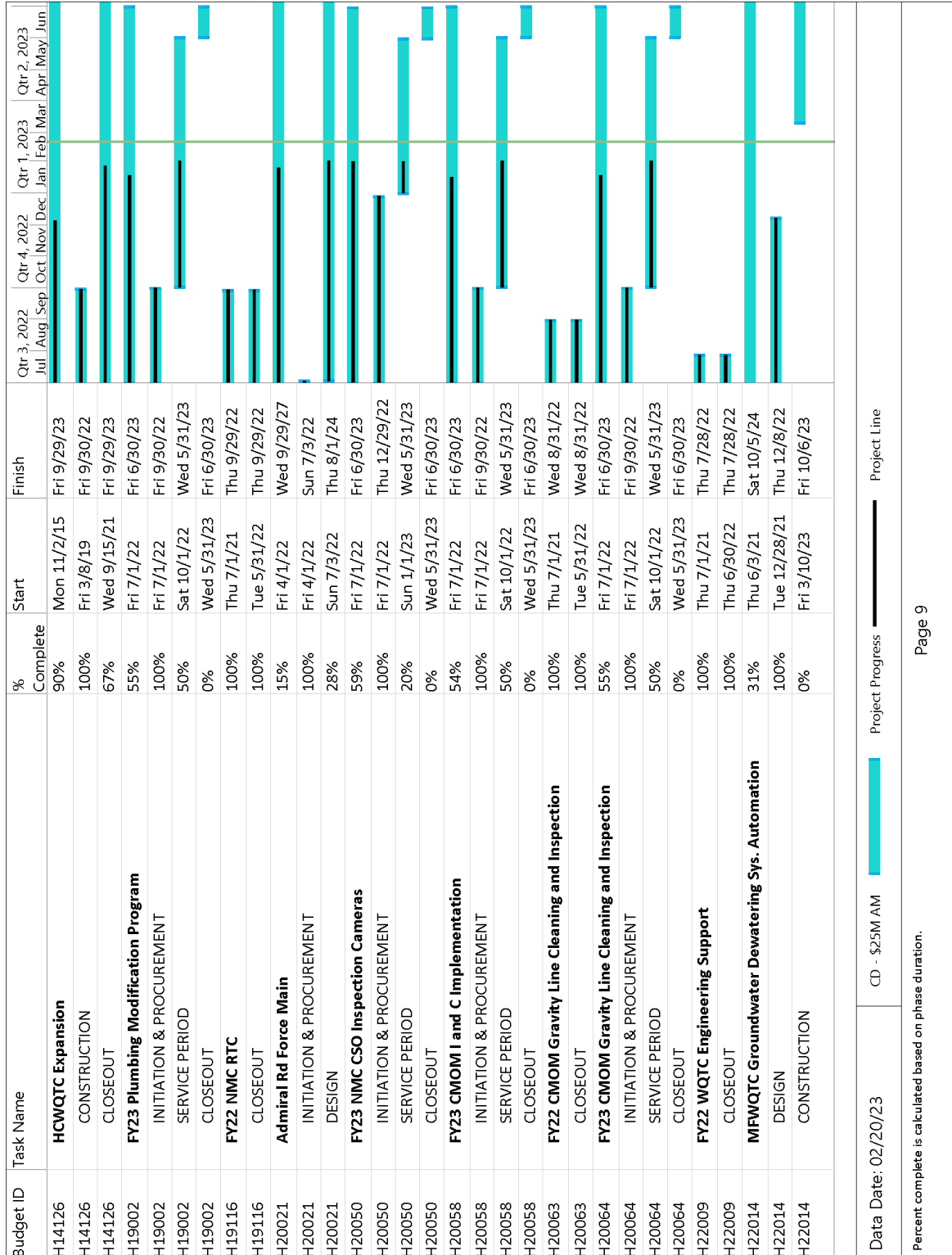
Data Date: 02/20/23      CD - \$25M AM      Project Progress █      Project Line █

Percent complete is calculated based on phase duration.

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



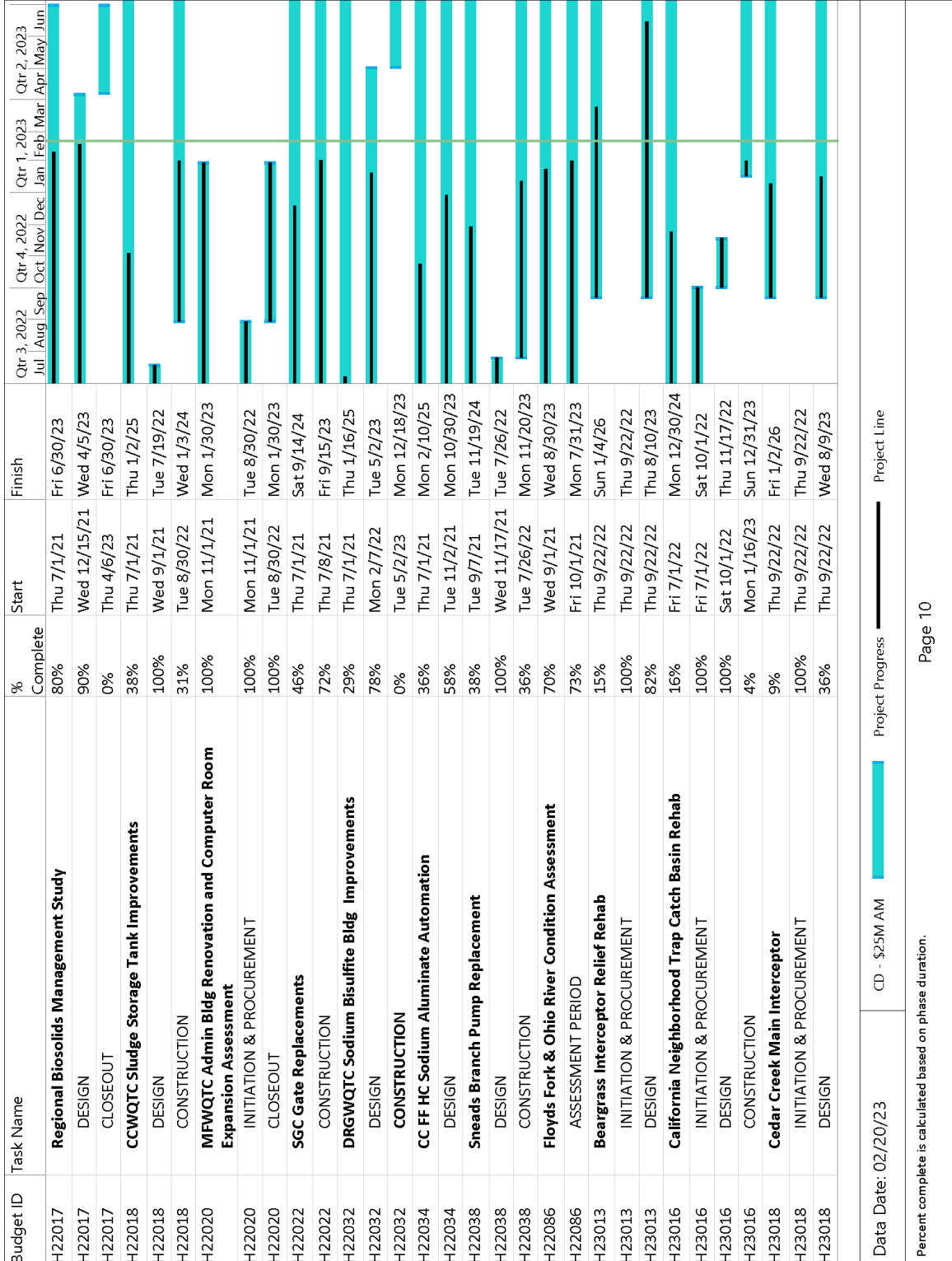
Data Date: 02/20/23 CD - \$25M AM Project Progress Project Line

Percent complete is calculated based on phase duration.



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





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**APPENDIX A**

**AUTHORIZED DISCHARGES - WET WEATHER CSOs**

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**SECOND AMENDED CONSENT DECREE  
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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (INCH)	DISCHARGE PER RAIN (GAL/IN)	FREQUENCY(YR)	PERIOD(HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
CSO015	07-18-2022 02:45	07-18-2022 10:45	480	1	17,037,286	1	1	Atlas		17,207,659	1
	07-26-2022 08:45	07-26-2022 14:00	315	1	12,972,514	0	6	Atlas		11,415,812	1
	07-31-2022 05:45	07-31-2022 12:00	375	1	34,753,321	1	3	Atlas		36,039,194	1
	08-10-2022 14:30	08-10-2022 23:00	510	2	26,176,200	1	12	Atlas		45,206,298	1
	08-21-2022 15:30	08-21-2022 17:00	90	1	13,774,474	1	1	Atlas		16,970,152	1
CSO015 Total										126,839,115	5
CSO016	07-06-2022 17:00	07-06-2022 17:45	45	0	94,560	0	1	Atlas		34,042	1
	07-08-2022 12:00	07-08-2022 15:00	180	1	3,261,405	1	1	Atlas		2,465,622	1
	07-18-2022 02:15	07-18-2022 09:00	405	1	5,259,683	1	3	Atlas		5,059,815	1
	07-26-2022 08:45	07-26-2022 14:00	315	1	5,243,136	0	6	Atlas		3,932,352	1
	07-28-2022 20:15	07-28-2022 23:30	195	2	1,989,987	4	1	Atlas		3,237,708	1
	07-31-2022 05:30	07-31-2022 12:15	405	1	5,722,358	1	3	Atlas		5,441,962	1
	08-05-2022 04:00	08-05-2022 06:45	165	1	2,983,223	0	1	Atlas		1,897,330	1
	08-10-2022 14:00	08-11-2022 03:30	810	1	3,678,382	1	1	Atlas		4,969,494	1
	08-29-2022 16:45	08-29-2022 21:00	255	1	522,191	1	1	Atlas		777,020	1
	08-30-2022 05:30	08-30-2022 08:45	195	1	852,744	1	1	Atlas		1,268,883	1
	09-03-2022 21:00	09-04-2022 01:00	240	1	3,929,589	1	3	Atlas		4,746,944	1
	09-06-2022 15:00	09-06-2022 18:45	225	1	2,598,269	1	1	Atlas		2,200,734	1
	10-25-2022 19:00	10-25-2022 23:45	285	0	9,303,220	0	1	Atlas		4,056,204	1
	10-30-2022 16:00	10-30-2022 23:15	435	0	25,659,889	0	6	Atlas		11,162,052	1
	11-11-2022 08:30	11-11-2022 15:30	420	0	19,645,247	0	3	Atlas		9,508,300	1
	12-06-2022 21:15	12-07-2022 05:00	465	1	20,807,623	0	1	Atlas		12,005,998	1
	12-08-2022 09:30	12-08-2022 19:30	600	0	27,814,531	0	6	Atlas		12,905,943	1
	12-14-2022 05:00	12-15-2022 07:15	1575	1	37,983,779	1	24	Atlas		49,264,961	1
CSO016 Total										134,935,364	18
CSO019	08-29-2022 15:15	08-29-2022 17:00	105	1	2,837,087	1	1	Atlas		3,404,505	1
	09-03-2022 22:00	09-03-2022 22:15	15	1	3,840	0	3	Atlas		2,692	1
CSO019 Total										3,407,197	2
CSO022	07-08-2022 12:30	07-08-2022 13:15	45	1	1,018,634	1	3	Atlas		1,144,944	1
	07-18-2022 02:30	07-18-2022 04:00	90	1	2,928,577	0	3	Atlas		2,975,434	1
	08-10-2022 22:00	08-10-2022 22:15	15	1	497,386	0	1	Atlas		376,024	1
	09-03-2022 21:15	09-03-2022 22:00	45	1	1,306,151	1	1	Atlas		1,138,964	1
	12-06-2022 23:15	12-06-2022 23:30	15	1	624,083	0	6	Atlas		350,734	1
CSO022 Total										5,986,100	5
CSO027	07-18-2022 02:00	07-18-2022 02:15	15	1	2,438	1	3	Atlas		1,980	1



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	07-28-2022 20:15	07-28-2022 20:30	15	1	3,658	2	1	Atlas		5,070	1
	08-10-2022 21:15	08-10-2022 21:30	15	1	1,370	1	3	Atlas		1,642	1
	09-03-2022 20:30	09-03-2022 20:45	15	1	493	1	1	Atlas		479	1
CSO027 Total										9,171	4
CSO028	07-08-2022 11:30	07-08-2022 12:00	30	1	18,230	1	3	Atlas		19,032	1
	07-18-2022 01:45	07-18-2022 02:00	15	1	35,455	1	3	Atlas		28,789	1
	07-28-2022 20:00	07-28-2022 20:45	45	1	641,663	2	1	Atlas		889,345	1
	08-10-2022 21:00	08-10-2022 21:30	30	1	34,324	1	3	Atlas		41,155	1
	09-03-2022 20:15	09-03-2022 20:30	15	1	18,864	1	1	Atlas		18,336	1
CSO028 Total										996,657	5
CSO029	07-08-2022 11:30	07-08-2022 12:00	30	1	17,432	1	3	Atlas		18,199	1
	07-18-2022 01:45	07-18-2022 02:00	15	1	18,438	1	3	Atlas		14,971	1
	07-28-2022 20:00	07-28-2022 20:30	30	1	295,210	2	1	Atlas		409,161	1
	08-10-2022 21:00	08-10-2022 21:15	15	1	48,743	1	3	Atlas		58,443	1
	09-03-2022 20:15	09-03-2022 20:30	15	1	23,641	1	1	Atlas		22,979	1
CSO029 Total										523,753	5
CSO031	07-06-2022 15:15	07-06-2022 15:30	15	0	134	0	1	Atlas		37	1
	07-08-2022 11:45	07-08-2022 12:00	15	1	8	1	3	Atlas		8	1
	07-18-2022 02:00	07-18-2022 02:15	15	1	481	1	3	Atlas		391	1
	08-10-2022 21:30	08-10-2022 21:45	15	1	7	1	3	Atlas		9	1
	09-03-2022 20:30	09-03-2022 22:15	105	1	263	1	1	Atlas		256	1
	09-19-2022 08:45	09-19-2022 09:00	15	0	286	0	1	Atlas		16	1
CSO031 Total										717	1
CSO034	07-08-2022 11:30	07-08-2022 12:00	30	1	105,632	1	3	Atlas		110,280	7
	07-18-2022 01:45	07-18-2022 02:15	30	1	107,228	1	3	Atlas		87,069	1
	07-26-2022 08:15	07-26-2022 10:15	120	1	4,355	0	6	Atlas		3,332	1
	07-28-2022 20:00	07-28-2022 20:45	45	1	267,632	2	1	Atlas		370,939	1
	07-31-2022 05:30	07-31-2022 05:45	15	1	15,051	1	3	Atlas		15,081	1
	08-05-2022 03:00	08-05-2022 03:15	15	1	47,360	0	1	Atlas		29,363	1
	08-10-2022 21:00	08-10-2022 21:30	30	1	80,181	1	3	Atlas		96,138	1
	09-03-2022 20:15	09-03-2022 20:45	30	1	89,340	1	1	Atlas		86,838	1
	12-06-2022 23:15	12-06-2022 23:30	15	1	9,519	0	1	Atlas		5,892	1
CSO034 Total										694,652	8
CSO035	07-08-2022 11:30	07-08-2022 12:00	30	1	27,632	1	3	Atlas		27,935	1
	07-18-2022 01:45	07-18-2022 02:15	30	1	24,500	0	3	Atlas		18,204	1

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	07-28-2022 20:00	07-28-2022 20:45	45	1	741,376	2	1	Atlas		1,054,978	1
	07-31-2022 05:30	07-31-2022 05:45	15	1	3,461	1	3	Atlas		3,561	1
	08-05-2022 03:00	08-05-2022 03:15	15	1	17,264	0	1	Atlas		10,376	1
	08-10-2022 21:00	08-10-2022 21:30	30	1	9,530	1	1	Atlas		9,949	1
	09-03-2022 20:15	09-03-2022 20:30	15	1	19,143	1	1	Atlas		17,057	1
CSO035 Total										1,142,060	7
CSO036	07-03-2022 02:30	07-03-2022 02:45	15	0	4,426	0	3	Atlas		1,359	1
	07-08-2022 11:45	07-08-2022 12:30	45	1	44,955	1	3	Atlas		45,450	1
	07-18-2022 02:15	07-18-2022 02:30	15	1	11,440	0	3	Atlas		8,500	1
	07-26-2022 08:30	07-26-2022 08:45	15	1	9,317	0	6	Atlas		7,212	1
	07-31-2022 05:45	07-31-2022 06:00	15	1	28,024	1	3	Atlas		28,837	1
	08-05-2022 03:15	08-05-2022 03:30	15	1	75,314	0	1	Atlas		45,264	1
	08-10-2022 21:15	08-10-2022 21:45	30	1	36,374	1	1	Atlas		37,974	1
	09-03-2022 20:30	09-03-2022 21:00	30	1	51,206	1	1	Atlas		45,624	1
	12-06-2022 23:30	12-06-2022 23:45	15	1	14,802	0	1	Atlas		8,941	1
CSO036 Total										229,161	9
CSO050	07-03-2022 01:00	07-03-2022 03:00	120	1	409,439	1	3	Atlas		309,945	1
	07-06-2022 14:30	07-06-2022 15:15	45	0	736,683	0	1	Atlas		268,153	1
	07-08-2022 10:30	07-08-2022 13:45	195	1	541,557	1	3	Atlas		606,543	1
	07-09-2022 10:15	07-09-2022 15:15	300	0	49,855	0	1	Atlas		12,863	1
	07-17-2022 08:15	07-17-2022 13:00	285	1	16,865	0	3	Atlas		17,641	1
	07-18-2022 01:30	07-18-2022 04:00	150	1	515,290	0	3	Atlas		538,993	1
	07-25-2022 00:30	07-25-2022 02:15	105	0	28,825	0	6	Atlas		10,867	1
	07-26-2022 05:45	07-26-2022 10:45	300	1	400,926	0	6	Atlas		262,607	1
	07-27-2022 09:00	07-27-2022 09:15	15	0	38,320	0	3	Atlas		3,602	1
	07-28-2022 20:00	07-28-2022 22:15	135	1	760,109	2	1	Atlas		1,108,239	1
	07-31-2022 04:15	07-31-2022 08:30	255	1	735,384	1	3	Atlas		652,285	1
	08-05-2022 03:15	08-05-2022 09:00	345	0	253,914	0	1	Atlas		81,760	1
	08-10-2022 13:30	08-10-2022 23:15	585	1	490,098	0	1	Atlas		330,326	1
CSO050 Total										4,203,824	13
CSO051	07-03-2022 00:45	07-03-2022 02:30	105	1	10,583	1	3	Atlas		8,011	1
	07-06-2022 14:15	07-06-2022 14:30	15	0	49,383	0	1	Atlas		17,975	1
	07-08-2022 10:15	07-08-2022 12:45	150	1	23,259	1	3	Atlas		26,050	1
	07-18-2022 01:45	07-18-2022 03:15	90	1	29,796	0	3	Atlas		31,166	1
	07-26-2022 05:30	07-26-2022 10:15	285	1	30,355	0	6	Atlas		19,883	1
	07-28-2022 19:45	07-28-2022 21:15	90	1	27,111	2	1	Atlas		39,527	1



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	07-31-2022 04:45	07-31-2022 06:45	120	1	31,364	1	3	Alias		27,820	1
	08-05-2022 03:00	08-05-2022 03:45	45	0	32,794	0	1	Alias		10,560	1
	08-10-2022 20:45	08-10-2022 21:15	30	1	12,837	0	1	Alias		8,652	1
	08-21-2022 12:30	08-21-2022 12:45	15	0	15,998	0	3	Alias		4,111	1
	08-29-2022 15:00	08-29-2022 16:00	60	2	18,724	1	1	Alias		28,928	1
	09-03-2022 20:15	09-03-2022 22:30	135	1	63,065	1	3	Alias		57,074	1
	09-06-2022 14:45	09-06-2022 15:00	15	0	20,866	0	1	Alias		4,591	1
	09-11-2022 18:00	09-11-2022 18:15	15	0	15,650	0	1	Alias		4,069	1
	10-25-2022 17:45	10-25-2022 18:15	30	0	35,415	0	1	Alias		15,157	1
	10-30-2022 15:30	10-30-2022 15:45	15	0	1,178	0	6	Alias		511	1
	10-31-2022 18:45	10-31-2022 19:00	15	0	19,924	0	1	Alias		2,730	1
	12-06-2022 20:15	12-06-2022 23:45	210	1	18,550	0	6	Alias		10,203	1
	12-14-2022 07:15	12-14-2022 08:00	45	1	12,133	0	24	Alias		14,850	1
	12-14-2022 23:30	12-14-2022 23:45	15	1	29	0	24	Alias		35	1
CSO051 Total										331,903	20
CSO052	07-28-2022 19:45	07-28-2022 20:15	30	2	15,884	4	1	Alias		26,607	1
	09-03-2022 20:15	09-03-2022 20:30	15	1	12,154	1	1	Alias		10,793	1
	10-25-2022 18:00	10-25-2022 18:15	15	0	4,788	0	1	Alias		1,992	1
	12-06-2022 23:00	12-06-2022 23:15	15	1	3,212	0	6	Alias		1,815	1
	12-14-2022 07:00	12-14-2022 07:15	15	1	2,950	0	24	Alias		3,549	1
CSO052 Total										44,756	5
CSO053	07-03-2022 01:00	07-03-2022 03:00	120	1	42,015	1	3	Alias		31,981	1
	07-06-2022 14:30	07-06-2022 15:00	30	0	22,357	0	1	Alias		7,132	1
	07-08-2022 10:30	07-08-2022 12:30	120	1	38,406	1	3	Alias		44,167	1
	07-09-2022 10:45	07-09-2022 11:00	15	0	12,957	0	12	Alias		3,123	1
	07-17-2022 12:45	07-17-2022 13:00	15	1	1,895	0	3	Alias		1,961	1
	07-18-2022 01:45	07-18-2022 03:30	105	1	105,392	0	3	Alias		109,081	1
	07-25-2022 01:45	07-25-2022 02:00	15	0	595	0	6	Alias		224	1
	07-26-2022 05:45	07-26-2022 10:45	300	1	57,357	0	6	Alias		36,479	1
	07-28-2022 20:00	07-28-2022 21:15	75	2	132,975	4	1	Alias		222,600	1
	07-31-2022 04:15	07-31-2022 07:00	165	1	85,694	1	3	Alias		79,010	1
	08-05-2022 03:15	08-05-2022 09:00	345	0	16,200	0	1	Alias		5,881	1
	08-10-2022 13:30	08-10-2022 21:45	495	1	15,622	0	1	Alias		9,983	1
	08-21-2022 12:45	08-21-2022 13:00	15	0	50,233	0	3	Alias		11,805	1
	08-29-2022 15:15	08-29-2022 16:15	60	1	14,310	1	1	Alias		20,864	1
	08-30-2022 05:00	08-30-2022 05:45	45	1	6,921	1	1	Alias		10,090	1

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	09-03-2022 20:30	09-03-2022 22:30	120	1	113,854	1	1	Alias		101,103	1
	09-05-2022 16:00	09-05-2022 16:15	15	0	54,810	0	1	Alias		3,398	1
	09-06-2022 15:00	09-06-2022 15:45	45	0	79,470	0	1	Alias		14,146	1
	09-11-2022 18:15	09-11-2022 18:30	15	0	20,566	0	1	Alias		5,673	1
	10-25-2022 18:00	10-25-2022 19:00	60	0	8,593	0	1	Alias		3,575	1
	10-30-2022 10:45	10-30-2022 16:00	315	0	35,887	0	6	Alias		16,687	1
	10-31-2022 19:00	10-31-2022 19:15	15	0	18,455	0	1	Alias		2,731	1
	11-11-2022 06:45	11-11-2022 09:00	135	0	54,121	0	3	Alias		24,084	1
	11-27-2022 03:30	11-27-2022 03:45	15	0	14,779	0	12	Alias		4,522	1
	11-30-2022 03:00	11-30-2022 03:15	15	0	20,189	0	6	Alias		5,855	1
	12-06-2022 20:45	12-06-2022 23:15	150	1	23,219	0	6	Alias		13,119	1
	12-08-2022 10:15	12-08-2022 10:30	15	0	1,982	0	6	Alias		975	1
	12-14-2022 04:00	12-14-2022 08:15	255	1	29,418	0	24	Alias		35,390	1
	12-14-2022 21:45	12-15-2022 00:00	135	1	10,125	0	24	Alias		12,181	1
CSO063 Total										837,770	29
CSO064	07-08-2022 11:45	07-08-2022 13:00	75	1	31,736	1	3	Alias		36,496	1
	07-18-2022 02:45	07-18-2022 03:15	30	1	8,605	0	3	Alias		8,906	1
	07-28-2022 20:15	07-28-2022 21:30	75	2	61,442	4	1	Alias		102,854	1
	07-31-2022 05:30	07-31-2022 06:45	75	1	64,807	1	3	Alias		59,752	1
	08-10-2022 22:00	08-10-2022 22:15	15	1	3,081	0	1	Alias		1,969	1
	09-03-2022 21:00	09-03-2022 22:30	90	1	83,372	1	1	Alias		74,035	1
	12-06-2022 23:30	12-06-2022 23:45	15	1	6,636	0	6	Alias		3,750	1
	12-14-2022 07:15	12-14-2022 07:45	30	1	8,931	0	24	Alias		10,744	1
CSO064 Total										298,506	8
CSO065	07-03-2022 01:00	07-03-2022 01:30	30	1	13,104	1	3	Alias		9,959	1
	07-06-2022 14:30	07-06-2022 14:45	15	0	310,468	0	1	Alias		99,039	1
	07-08-2022 10:30	07-08-2022 13:45	195	1	230,687	1	3	Alias		265,290	1
	07-18-2022 02:00	07-18-2022 04:00	120	1	129,379	0	3	Alias		133,907	1
	07-26-2022 05:45	07-26-2022 08:45	180	1	10,106	0	6	Alias		6,427	1
	07-28-2022 20:15	07-28-2022 22:15	120	2	118,910	4	1	Alias		199,056	1
	08-10-2022 22:00	08-10-2022 22:15	15	1	7	0	1	Alias		5	1
	08-29-2022 15:15	08-29-2022 16:00	45	1	17,677	1	1	Alias		25,773	1
	09-11-2022 18:15	09-11-2022 18:30	15	0	49	0	1	Alias		14	1
	10-25-2022 17:45	10-25-2022 18:45	60	0	1,151	0	1	Alias		479	1
	10-31-2022 19:00	10-31-2022 19:15	15	0	4,434	0	1	Alias		656	1
	11-11-2022 06:45	11-11-2022 07:00	15	0	130	0	3	Alias		58	1



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	12-06-2022 20:30	12-07-2022 00:15	225	1	137,491	0	6	Atlas		77,682	1
	12-14-2022 04:30	12-14-2022 09:15	285	1	1,605	0	24	Atlas		1,931	1
	12-14-2022 23:00	12-15-2022 00:30	90	1	921	0	24	Atlas		1,107	1
CSO055 Total										821,383	15
CSO057	07-08-2022 10:30	07-08-2022 10:45	15	1	31	1	3	Atlas		36	1
	07-24-2022 23:30	07-24-2022 23:45	15	0	4	0	6	Atlas		1	1
	07-28-2022 20:00	07-28-2022 20:15	15	2	39	4	1	Atlas		67	1
	07-31-2022 04:45	07-31-2022 05:45	60	1	3	1	3	Atlas		3	1
	08-10-2022 21:00	08-10-2022 21:15	15	1	6	1	1	Atlas		5	1
	08-21-2022 12:30	08-21-2022 12:45	15	0	18	0	3	Atlas		4	1
	09-03-2022 21:00	09-03-2022 21:15	15	1	64	1	1	Atlas		60	1
CSO057 Total										176	7
CSO062	07-08-2022 12:00	07-08-2022 12:30	30	1	1,353,050	1	3	Atlas		1,282,692	1
	07-28-2022 20:30	07-28-2022 22:00	90	2	2,597,715	7	1	Atlas		4,901,888	1
	07-31-2022 05:45	07-31-2022 07:00	75	1	2,319,135	1	3	Atlas		2,231,007	1
	08-10-2022 21:30	08-10-2022 22:30	60	1	1,800,813	1	1	Atlas		2,566,158	1
	12-06-2022 23:30	12-07-2022 00:15	45	1	1,730,241	0	6	Atlas		1,051,986	1
CSO062 Total										12,033,731	5
CSO083	07-08-2022 11:45	07-08-2022 12:15	30	1	316	1	3	Atlas		289	1
	07-18-2022 02:15	07-18-2022 02:30	15	1	2	0	3	Atlas		1	1
	07-26-2022 08:30	07-26-2022 08:45	15	1	61	0	6	Atlas		49	1
	07-28-2022 21:00	07-28-2022 21:15	15	2	342	3	1	Atlas		542	1
	08-10-2022 21:30	08-10-2022 21:45	15	1	8,343	1	12	Atlas		10,069	1
	09-03-2022 20:30	09-03-2022 21:00	30	1	21,717	1	1	Atlas		14,746	1
CSO083 Total										25,696	6
CSO088	08-10-2022 22:15	08-10-2022 22:30	15	2	1,419	3	1	Atlas		2,988	1
CSO088 Total										2,988	1
CSO092	07-03-2022 02:15	07-03-2022 02:30	15	0	31	0	12	Atlas		7	1
	07-08-2022 10:15	07-08-2022 12:00	105	1	10	1	3	Atlas		8	1
	07-09-2022 06:45	07-09-2022 10:30	225	0	2,294	0	1	Atlas		284	1
	07-26-2022 09:45	07-26-2022 11:00	75	1	18	0	6	Atlas		15	1
	07-27-2022 09:00	07-27-2022 11:30	150	0	470	0	1	Atlas		23	1
	07-28-2022 20:15	07-28-2022 20:45	30	1	8,263	1	1	Atlas		9,659	1
	08-05-2022 03:00	08-05-2022 03:15	15	1	503	1	1	Atlas		426	1
	08-10-2022 21:15	08-10-2022 22:00	45	1	19	1	1	Atlas		25	1



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	10-25-2022 17:45	10-25-2022 18:00	15	0	21	0	1	Atlas		10	1
	10-30-2022 10:15	10-30-2022 10:30	15	1	7	0	12	Atlas		4	1
	11-11-2022 06:30	11-11-2022 06:45	15	1	13	0	3	Atlas		7	1
	11-30-2022 02:45	11-30-2022 03:00	15	0	101	0	6	Atlas		23	1
	12-06-2022 22:45	12-06-2022 23:30	45	1	15	0	3	Atlas		8	1
CSO092 Total										10,499	15
CSO093	07-03-2022 01:00	07-03-2022 01:15	15	0	91	0	3	Atlas		42	1
	07-28-2022 20:15	07-28-2022 20:45	30	2	51,203	5	1	Atlas		89,707	1
	08-05-2022 03:00	08-05-2022 03:15	15	1	824	1	1	Atlas		718	1
	08-10-2022 21:15	08-10-2022 22:15	60	2	1,201	1	1	Atlas		1,861	1
CSO093 Total										92,328	4
CSO105	07-18-2022 02:15	07-18-2022 03:00	45	1	746,658	0	3	Atlas		704,845	1
	07-28-2022 20:00	07-29-2022 07:30	690	2	44,224,462	6	1	Atlas		79,604,032	1
	08-29-2022 15:15	08-29-2022 15:45	30	2	498,580	1	1	Atlas		806,204	1
CSO105 Total										81,115,081	3
CSO108	07-28-2022 20:15	07-28-2022 21:00	45	1	514,172	0	1	Atlas		284,337	1
	07-31-2022 09:15	07-31-2022 09:30	15	1	51	1	3	Atlas		73	1
	08-10-2022 14:00	08-10-2022 14:30	30	1	175,158	1	1	Atlas		190,922	1
CSO108 Total										475,332	3
CSO109	07-08-2022 10:30	07-08-2022 10:45	15	1	21,352	0	3	Atlas		11,658	1
	07-18-2022 02:15	07-18-2022 02:30	15	1	25,717	0	3	Atlas		29,805	1
	07-26-2022 08:30	07-26-2022 08:45	15	1	23,066	1	6	Atlas		22,812	1
	07-28-2022 20:30	07-28-2022 21:00	30	1	474,684	0	1	Atlas		245,412	1
	07-31-2022 05:45	07-31-2022 07:00	75	1	90,383	1	3	Atlas		125,633	1
	08-05-2022 03:15	08-05-2022 03:30	15	0	2,599	0	1	Atlas		1,011	1
	08-06-2022 15:00	08-06-2022 15:15	15	0	104,753	0	1	Atlas		21,893	1
	08-10-2022 13:45	08-10-2022 14:00	15	1	144,880	1	1	Atlas		171,538	1
	09-03-2022 20:30	09-03-2022 20:45	15	0	215,575	0	1	Atlas		92,051	1
CSO109 Total										721,813	9
CSO110	07-08-2022 11:30	07-08-2022 12:15	45	1	235,947	0	3	Atlas		161,623	1
	07-18-2022 01:45	07-18-2022 02:30	45	1	63,194	0	24	Atlas		62,309	1
	07-26-2022 08:00	07-26-2022 10:15	135	1	197,899	0	6	Atlas		170,787	1
	07-28-2022 20:00	07-28-2022 21:00	60	1	1,263,011	1	1	Atlas		895,475	1
	07-31-2022 04:45	07-31-2022 07:00	135	1	824,831	1	3	Atlas		1,038,463	1
CSO110 Total										749,568	1



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	08-06-2022 14:15	08-06-2022 15:00	45	1	349,524	0	1	Alias		194,685	1
	08-10-2022 13:15	08-10-2022 21:45	510	1	155,618	1	1	Alias		181,762	1
	08-21-2022 15:15	08-21-2022 16:00	45	0	115,983	0	1	Alias		56,882	1
	09-03-2022 20:00	09-03-2022 21:00	60	1	50,426	0	1	Alias		26,171	1
	10-25-2022 18:00	10-25-2022 18:45	45	0	9,636	0	1	Alias		4,548	1
	12-06-2022 22:30	12-06-2022 23:45	75	1	56,538	0	3	Alias		29,626	1
CSO110 Total										3,571,849	12
CSO118	07-08-2022 11:45	07-08-2022 12:15	30	1	272,443	1	3	Alias		249,285	1
	08-10-2022 21:30	08-10-2022 21:45	15	1	152	1	12	Alias		183	1
CSO118 Total										249,468	2
CSO119	07-03-2022 02:30	07-03-2022 02:45	15	0	69,449	0	3	Alias		19,168	1
	07-06-2022 14:30	07-06-2022 15:00	30	0	170,974	0	1	Alias		36,759	1
	07-08-2022 10:15	07-08-2022 13:00	165	1	401,374	1	3	Alias		367,258	1
	07-18-2022 01:45	07-18-2022 03:30	105	1	496,293	0	3	Alias		342,442	1
	07-26-2022 05:45	07-26-2022 10:45	300	1	296,304	0	6	Alias		237,339	1
	07-28-2022 20:00	07-28-2022 22:00	120	2	311,295	3	1	Alias		493,403	1
	07-31-2022 05:00	07-31-2022 06:45	105	1	275,704	1	3	Alias		297,209	1
	08-05-2022 02:30	08-05-2022 04:00	90	1	366,966	1	1	Alias		284,399	1
	08-10-2022 13:30	08-10-2022 14:00	30	1	57,645	1	12	Alias		69,578	1
	08-30-2022 05:00	08-30-2022 05:45	45	1	132,358	0	24	Alias		96,754	1
	09-03-2022 20:15	09-03-2022 21:30	75	1	315,410	1	1	Alias		214,163	1
	09-06-2022 14:15	09-06-2022 15:30	75	0	589,687	0	1	Alias		140,935	1
	10-30-2022 15:00	10-30-2022 15:45	45	1	160,335	0	6	Alias		98,766	1
	11-11-2022 07:30	11-11-2022 08:45	75	1	286,073	0	3	Alias		144,467	1
	12-06-2022 20:30	12-07-2022 00:00	210	1	378,980	0	6	Alias		224,735	1
	12-14-2022 04:15	12-14-2022 07:45	210	1	166,057	0	24	Alias		198,604	1
	12-14-2022 23:00	12-14-2022 23:45	45	1	68,153	0	24	Alias		81,511	1
CSO119 Total										3,347,490	17
CSO120	07-03-2022 02:15	07-03-2022 02:45	30	0	30,099	0	3	Alias		12,943	1
	07-17-2022 12:30	07-17-2022 12:45	15	1	92	0	3	Alias		88	1
	07-18-2022 02:30	07-18-2022 03:15	45	1	64,170	0	3	Alias		61,795	1
	07-26-2022 08:30	07-26-2022 10:15	105	1	38,471	0	6	Alias		30,161	1
CSO120 Total										104,987	4
CSO125	07-03-2022 01:00	07-03-2022 03:00	120	1	7,521	0	3	Alias		3,933	1
	07-31-2022 05:00	07-31-2022 05:15	15	1	58	1	3	Alias		67	1

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	08-05-2022 03:15	08-05-2022 03:30	15	1	17	1	1	Atlas		13	1
	08-10-2022 21:30	08-10-2022 21:45	15	2	101	1	1	Atlas		186	1
	12-14-2022 05:30	12-14-2022 07:45	135	1	189	0	6	Atlas		136	1
CSO125 Total										4,335	5
CSO126	07-08-2022 12:00	07-08-2022 12:30	30	1	17,754	1	3	Atlas		15,179	1
	07-28-2022 22:15	07-28-2022 22:30	15	2	965	4	1	Atlas		1,588	1
	07-31-2022 05:45	07-31-2022 06:45	60	1	37,085	1	3	Atlas		42,759	1
	08-05-2022 03:15	08-05-2022 03:30	15	1	6,639	1	1	Atlas		4,933	1
	08-10-2022 21:30	08-10-2022 22:45	75	2	21,385	1	1	Atlas		39,285	1
	12-06-2022 23:30	12-06-2022 23:45	15	1	6,536	0	1	Atlas		4,255	1
CSO126 Total										107,999	6
CSO131	07-03-2022 01:15	07-03-2022 01:45	30	1	78,086	0	1	Atlas		48,335	1
	07-06-2022 14:45	07-06-2022 15:00	15	0	61,410	0	1	Atlas		16,335	1
	07-08-2022 10:30	07-08-2022 12:30	120	1	74,572	1	3	Atlas		69,576	1
	07-18-2022 02:15	07-18-2022 02:30	15	1	26,208	0	3	Atlas		24,138	1
	07-26-2022 08:30	07-26-2022 08:45	15	1	1,125	0	6	Atlas		852	1
	07-31-2022 06:00	07-31-2022 06:15	15	1	41,898	1	3	Atlas		41,060	1
	08-10-2022 21:15	08-10-2022 22:45	90	2	34,953	3	1	Atlas		73,611	1
	10-25-2022 18:15	10-25-2022 18:45	30	1	79,089	0	1	Atlas		41,443	1
	12-06-2022 23:45	12-07-2022 00:00	15	1	43,156	0	1	Atlas		25,592	1
CSO131 Total										340,942	9
CSO132	07-03-2022 01:00	07-03-2022 23:15	1335	1	1,256,694	0	1	Atlas		813,081	1
	07-08-2022 10:15	07-08-2022 12:00	105	1	11,200	1	3	Atlas		10,271	1
	07-18-2022 02:00	07-18-2022 23:15	1275	1	6,391	0	3	Atlas		5,841	1
	07-26-2022 08:15	07-26-2022 23:15	900	1	44,801	0	6	Atlas		35,214	1
	07-28-2022 20:00	07-28-2022 23:15	195	2	82,272	5	1	Atlas		143,811	1
	07-31-2022 05:30	07-31-2022 23:15	1065	1	380,014	1	3	Atlas		387,994	1
	08-05-2022 03:00	08-05-2022 23:15	1215	1	751,524	1	1	Atlas		702,675	1
	08-10-2022 21:00	08-11-2022 23:15	1575	2	558,443	6	1	Atlas		1,389,406	1
	09-03-2022 20:15	09-03-2022 23:15	180	1	136,021	1	1	Atlas		97,663	1
	10-25-2022 17:45	10-25-2022 23:15	330	1	9,076	0	1	Atlas		5,174	1
	12-06-2022 20:30	12-07-2022 23:15	1605	1	552,659	0	1	Atlas		317,226	1
CSO132 Total										3,908,356	11
CSO140	07-31-2022 06:45	07-31-2022 07:00	15	1	752	1	3	Atlas		790	1
	08-10-2022 22:00	08-10-2022 22:30	30	2	37,994	1	1	Atlas		58,890	1



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CSO140 Total										59,680	2
CSO141	07-08-2022 11:45	07-08-2022 12:15	30	1	15,431	1	3	Atlas		15,014	1
	07-18-2022 02:00	07-18-2022 02:30	30	1	25,052	0	3	Atlas		24,125	1
	07-26-2022 10:15	07-26-2022 10:30	15	1	127	0	6	Atlas		100	1
	07-28-2022 20:15	07-28-2022 20:45	30	2	123,175	5	1	Atlas		219,744	1
	07-31-2022 05:45	07-31-2022 06:00	15	1	121	1	3	Atlas		123	1
	08-05-2022 03:15	08-05-2022 04:30	75	1	1,289	1	1	Atlas		941	1
	08-10-2022 13:30	08-10-2022 22:45	555	1	1,420	1	1	Atlas		1,726	1
	09-03-2022 20:30	09-03-2022 21:30	60	1	48,396	1	1	Atlas		35,862	1
	09-06-2022 14:30	09-06-2022 14:45	15	0	769	0	1	Atlas		228	1
	12-06-2022 23:15	12-06-2022 23:45	30	1	55	0	1	Atlas		34	1
CSO141 Total										297,897	10
CSO142	07-08-2022 10:30	07-08-2022 12:15	105	1	58,764	1	3	Atlas		47,540	1
	07-18-2022 02:00	07-18-2022 02:30	30	1	83,773	0	3	Atlas	Retained by Sneads Branch.	62,160	1
	07-26-2022 08:30	07-26-2022 10:30	120	1	17,364	0	6	Atlas	Retained by Sneads Branch.	14,377	1
	07-28-2022 20:15	07-28-2022 21:00	45	1	97,510	1	1	Atlas		103,946	1
	07-31-2022 05:15	07-31-2022 06:00	45	1	11,357	1	3	Atlas		12,720	1
	08-05-2022 03:15	08-05-2022 03:30	15	1	12,916	1	1	Atlas		9,287	1
	08-10-2022 13:30	08-10-2022 21:45	495	1	38,307	1	1	Atlas		47,348	1
	12-06-2022 23:30	12-06-2022 23:45	15	1	2,190	0	6	Atlas	Retained by Sneads Branch.	1,191	1
CSO142 Total										298,569	8
CSO144	07-28-2022 20:30	07-28-2022 20:45	15	2	948	4	1	Atlas		1,610	1
	08-05-2022 03:00	08-05-2022 03:15	15	1	145,071	1	1	Atlas		138,108	1
	08-10-2022 21:15	08-10-2022 22:15	60	2	9,045	1	1	Atlas		16,669	1
	12-14-2022 10:15	12-14-2022 12:00	105	1	52	0	24	Atlas		62	1
CSO144 Total										156,449	4
CSO148	07-03-2022 02:30	07-03-2022 09:15	405	0	618	0	3	Atlas		131	1
	07-08-2022 11:45	07-08-2022 12:15	30	1	87,596	0	3	Atlas		62,631	1
	07-18-2022 02:00	07-18-2022 02:30	30	1	15,497	0	24	Atlas		15,807	1
	07-26-2022 05:45	07-26-2022 10:30	285	1	44,388	0	6	Atlas		38,928	1
	07-28-2022 20:15	07-28-2022 21:00	45	1	314,783	1	1	Atlas		234,198	1
	07-31-2022 04:45	07-31-2022 07:00	135	1	73,285	1	3	Atlas		97,909	1
	08-05-2022 02:30	08-05-2022 03:30	60	1	183,059	1	1	Atlas		152,671	1

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	08-06-2022 14:30	08-06-2022 15:00	30	0	95,486	0	1	Alias		40,677	1
	08-10-2022 13:30	08-10-2022 22:00	510	1	55,660	1	1	Alias		71,566	1
	08-21-2022 15:45	08-21-2022 16:00	15	0	3,819	0	1	Alias		1,638	1
	08-30-2022 02:45	08-30-2022 05:30	165	1	7,360	0	3	Alias		5,108	1
	09-03-2022 20:30	09-03-2022 21:00	30	1	30,465	0	1	Alias		16,207	1
	09-06-2022 15:15	09-06-2022 15:30	15	0	5,326	0	1	Alias		932	1
	09-11-2022 14:15	09-11-2022 14:30	15	0	32,002	0	1	Alias		7,073	1
	10-25-2022 18:00	10-25-2022 18:45	45	0	36,290	0	1	Alias		17,673	1
	10-30-2022 11:00	10-30-2022 15:15	255	1	1,969	0	12	Alias		1,253	1
	10-31-2022 19:00	10-31-2022 19:30	30	0	3,711	0	1	Alias		917	1
	11-11-2022 07:15	11-11-2022 08:00	45	1	1,488	0	3	Alias		814	1
	11-27-2022 03:15	11-27-2022 03:30	15	0	1,123	0	12	Alias		414	1
	12-06-2022 20:30	12-06-2022 23:45	195	1	35,222	0	3	Alias		19,161	1
	12-14-2022 04:15	12-14-2022 07:30	195	1	5,777	0	6	Alias		3,906	1
	12-14-2022 18:45	12-14-2022 23:30	285	0	599	0	6	Alias		264	1
CSO148 Total										789,878	22
CSO153	07-03-2022 01:15	07-03-2022 03:00	105	0	166,636	0	3	Alias		71,654	1
	07-06-2022 14:45	07-06-2022 15:15	30	0	14,154	0	1	Alias		3,241	1
	07-08-2022 10:30	07-08-2022 13:30	180	1	427,162	1	3	Alias		415,628	1
	07-17-2022 12:45	07-17-2022 13:00	15	1	2,620	0	3	Alias		2,523	1
	07-18-2022 02:00	07-18-2022 09:45	465	1	259,332	0	3	Alias		249,737	1
	07-25-2022 01:45	07-25-2022 02:15	30	0	6,270	0	6	Alias		2,395	1
	07-26-2022 05:45	07-26-2022 11:15	330	1	188,422	0	6	Alias		147,723	1
	07-28-2022 20:00	07-28-2022 20:30	30	2	101,696	5	1	Alias		181,425	1
	08-21-2022 12:45	08-21-2022 13:00	15	0	795	0	3	Alias		147	1
	08-29-2022 16:00	08-29-2022 16:15	15	1	3,033	0	24	Alias		2,550	1
	08-30-2022 02:00	08-30-2022 05:45	225	1	51,351	0	24	Alias		43,186	1
	09-03-2022 20:30	09-03-2022 21:30	60	1	325,152	1	1	Alias		241,679	1
	09-06-2022 14:30	09-06-2022 15:30	60	0	193,030	0	1	Alias		57,330	1
	09-11-2022 18:30	09-11-2022 19:00	30	0	2,462	0	6	Alias		532	1
	09-25-2022 09:45	09-25-2022 11:00	75	0	52,831	0	1	Alias		5,230	1
	10-06-2022 15:15	10-06-2022 15:45	30	0	35,815	0	1	Alias		394	1
	10-25-2022 18:00	10-25-2022 19:15	75	0	102,432	0	1	Alias		49,679	1
	10-30-2022 10:30	10-30-2022 17:30	420	1	55,878	0	6	Alias		34,868	1
	10-31-2022 13:30	10-31-2022 20:30	420	0	134,047	0	1	Alias		23,190	1
	11-11-2022 06:45	11-11-2022 09:45	180	0	99,098	0	3	Alias		47,765	1
	11-27-2022 03:30	11-27-2022 04:15	45	0	3,372	0	12	Alias		1,123	1



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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (INCH)	DISCHARGE PER RAIN (GAL/IN)	FREQUENCY(YR)	PERIOD(HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
	11-30-2022 03:00	11-30-2022 03:30	30	0	22,660	0	6	Alias		5,892	1
	12-02-2022 22:15	12-02-2022 23:15	60	0	25,863	0	6	Alias		4,112	1
	12-06-2022 20:30	12-07-2022 01:45	315	1	233,487	0	1	Alias		143,594	1
	12-08-2022 09:30	12-08-2022 12:15	165	0	82,972	0	6	Alias		36,093	1
	12-14-2022 04:00	12-14-2022 08:30	270	1	108,392	0	24	Alias		134,081	1
	12-14-2022 18:45	12-15-2022 01:15	390	1	55,934	0	24	Alias		69,190	1
CSO153 Total										1,974,961	27
CSO154	07-08-2022 16:00	07-08-2022 17:30	90	1	1,857,470	1	3	Alias		1,703,300	1
	07-28-2022 20:00	07-28-2022 20:30	30	2	12,565	5	1	Alias		21,964	1
CSO154 Total										1,725,264	2
CSO160	07-18-2022 02:00	07-18-2022 02:15	15	1	28,304	0	3	Alias		29,323	1
	07-28-2022 20:15	07-28-2022 20:45	30	2	31,758	4	1	Alias		54,370	1
	07-31-2022 05:45	07-31-2022 06:00	15	1	60	1	3	Alias		58	1
	09-03-2022 20:30	09-03-2022 20:45	15	1	30,333	1	1	Alias		28,149	1
CSO160 Total										111,900	4
CSO161	07-03-2022 02:15	07-03-2022 02:30	15	0	4,782	0	3	Alias		2,257	1
	07-06-2022 14:15	07-06-2022 14:30	15	0	11,702	0	1	Alias		2,715	1
	07-08-2022 11:30	07-08-2022 12:00	30	1	6,870	1	3	Alias		7,777	1
	07-18-2022 01:45	07-18-2022 02:00	15	1	15,253	0	3	Alias		15,802	1
	07-26-2022 10:00	07-26-2022 10:15	15	1	1,079	0	6	Alias		784	1
	07-28-2022 20:00	07-28-2022 20:30	30	2	14,803	4	1	Alias		25,343	1
	08-10-2022 21:00	08-10-2022 21:15	15	1	168	1	1	Alias		142	1
	08-29-2022 15:30	08-29-2022 15:45	15	1	352	1	1	Alias		373	1
	09-03-2022 20:30	09-03-2022 21:00	30	1	8,652	1	1	Alias		8,029	1
	12-06-2022 20:30	12-06-2022 23:30	180	1	683	0	1	Alias		427	1
CSO161 Total										63,649	10
CSO166	07-03-2022 00:45	07-03-2022 03:00	135	0	1,403,653	0	3	Alias		481,453	1
	07-06-2022 15:00	07-06-2022 16:00	60	0	1,155,933	0	1	Alias		209,224	1
	07-08-2022 10:45	07-08-2022 13:45	180	1	1,219,260	1	3	Alias		1,031,494	1
	07-18-2022 02:15	07-18-2022 04:15	120	1	1,537,382	0	3	Alias		1,003,910	1
	07-26-2022 08:15	07-26-2022 12:00	225	1	432,424	0	6	Alias		349,831	1
	07-28-2022 20:15	07-29-2022 00:00	225	1	1,701,247	2	1	Alias		2,473,614	1
	07-31-2022 05:00	07-31-2022 10:15	315	1	1,491,058	1	3	Alias		1,831,020	1
	08-05-2022 02:30	08-05-2022 03:15	45	1	4,731	0	1	Alias		2,938	1
	08-10-2022 13:45	08-10-2022 23:30	585	1	608,040	1	12	Alias		896,251	1
	08-30-2022 03:15	08-30-2022 06:00	165	1	135,248	0	6	Alias		114,961	1

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	09-03-2022 20:30	09-03-2022 21:45	75	1	720,694	0	1	Atlas		488,631	1
	09-05-2022 06:45	09-05-2022 07:30	45	0	11,750,379	0	1	Atlas		188,006	1
	09-11-2022 19:00	09-11-2022 19:15	15	0	11,924	0	1	Atlas		3,017	1
	10-25-2022 18:30	10-25-2022 19:30	60	1	321,388	0	1	Atlas		164,551	1
	10-30-2022 15:00	10-30-2022 16:30	90	1	133,763	0	6	Atlas		86,411	1
CSO166 Total										9,325,312	15
CSO167	07-03-2022 01:00	07-03-2022 23:15	1335	1	20,435	0	1	Atlas		13,221	1
	07-08-2022 10:15	07-08-2022 12:00	105	1	182	1	3	Atlas		167	1
	07-18-2022 02:00	07-18-2022 23:15	1275	1	104	0	3	Atlas		95	1
	07-26-2022 08:15	07-26-2022 23:15	900	1	729	0	6	Atlas		573	1
	07-28-2022 20:00	07-28-2022 23:15	195	2	1,338	5	1	Atlas		2,338	1
	07-31-2022 05:30	07-31-2022 23:15	1065	1	6,179	1	3	Atlas		6,309	1
	08-05-2022 03:00	08-05-2022 23:15	1215	1	12,220	1	1	Atlas		11,426	1
	08-10-2022 21:00	08-11-2022 23:15	1575	2	9,080	6	1	Atlas		22,592	1
	09-03-2022 20:15	09-03-2022 23:15	180	1	2,212	1	1	Atlas		1,588	1
	10-25-2022 17:45	10-25-2022 23:15	330	1	148	0	1	Atlas		84	1
	12-06-2022 23:15	12-07-2022 23:15	1440	1	8,986	0	1	Atlas		5,158	1
CSO167 Total										63,551	11
CSO174	07-08-2022 11:45	07-08-2022 12:30	45	1	481,648	1	3	Atlas		389,653	1
	07-18-2022 02:00	07-18-2022 03:30	90	1	547,656	0	3	Atlas	Retained by Sneads Branch.	406,361	1
	07-26-2022 08:30	07-26-2022 10:45	135	1	360,599	0	6	Atlas	Retained by Sneads Branch.	298,576	1
	07-28-2022 20:30	07-28-2022 21:15	45	1	1,559,248	1	1	Atlas		1,662,158	1
	07-31-2022 09:15	07-31-2022 07:15	120	1	717,850	1	3	Atlas		803,992	1
	08-05-2022 02:45	08-05-2022 03:45	60	1	1,569,709	1	1	Atlas		1,128,621	1
	08-06-2022 14:45	08-06-2022 15:15	30	0	1,216,216	0	1	Atlas		484,054	1
	08-10-2022 13:45	08-10-2022 22:15	510	1	362,087	1	1	Atlas		447,539	1
	08-21-2022 15:45	08-21-2022 16:30	45	0	769,274	0	1	Atlas		290,016	1
	08-30-2022 05:30	08-30-2022 05:45	15	1	563	0	24	Atlas	Retained by Sneads Branch.	374	1
	09-03-2022 20:30	09-03-2022 21:15	45	1	551,704	1	1	Atlas	Retained by Sneads Branch.	380,676	1
	09-06-2022 15:30	09-06-2022 15:45	15	0	769	0	1	Atlas	Retained by Sneads Branch.	155	1
	09-11-2022 14:30	09-11-2022 14:45	15	0	290,594	0	1	Atlas	Retained by Sneads Branch.	41,555	1



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	12-06-2022 23:00	12-07-2022 00:00	60	1	166,258	0	6	Atlas	Retained by Sneads Branch.	90,444	1
	12-14-2022 05:15	12-14-2022 07:45	150	1	2,280	0	24	Atlas	Retained by Sneads Branch.	2,664	1
CSO174 Total										6,426,838	15
CSO176	07-28-2022 20:00	07-28-2022 20:45	45	1	581,401	2	1	Atlas		805,822	1
	08-10-2022 21:15	08-10-2022 21:30	15	1	16,880	1	3	Atlas		20,240	1
CSO178 Total										826,062	2
CSO180	07-08-2022 10:30	07-08-2022 12:30	120	1	125,126	1	3	Atlas		101,227	1
	07-18-2022 02:00	07-18-2022 03:00	60	1	166,306	0	3	Atlas	Retained by Sneads Branch.	123,399	1
	07-26-2022 08:30	07-26-2022 10:45	135	1	60,930	0	6	Atlas	Retained by Sneads Branch.	50,450	1
	07-28-2022 20:15	07-28-2022 21:15	60	1	338,141	1	1	Atlas		360,458	1
	07-31-2022 05:00	07-31-2022 07:00	120	1	211,874	1	3	Atlas		237,299	1
	08-05-2022 02:45	08-05-2022 03:30	45	1	180,311	1	1	Atlas		129,644	1
	08-06-2022 14:30	08-06-2022 15:00	30	0	71,128	0	1	Atlas		28,309	1
	08-21-2022 15:45	08-21-2022 16:00	15	0	10,326	0	1	Atlas		3,893	1
	09-03-2022 20:30	09-03-2022 21:00	30	1	91,555	1	1	Atlas	Retained by Sneads Branch.	63,173	1
	10-25-2022 18:00	10-25-2022 18:45	45	0	28,945	0	1	Atlas	Retained by Sneads Branch.	12,968	1
	10-30-2022 10:30	10-30-2022 10:45	15	1	3,995	0	6	Atlas	Retained by Sneads Branch.	2,345	1
	12-06-2022 20:30	12-06-2022 23:45	195	1	22,022	0	6	Atlas	Retained by Sneads Branch.	11,980	1
	12-14-2022 05:00	12-14-2022 07:30	150	1	2,343	0	24	Atlas	Retained by Sneads Branch.	2,737	1
CSO180 Total										1,127,882	13
CSO181	07-28-2022 20:00	07-28-2022 20:45	45	1	883,506	2	1	Atlas		1,257,230	1
CSO181 Total										1,257,230	1
CSO182	08-06-2022 14:15	08-06-2022 14:30	15	1	591,525	0	1	Atlas		351,366	1
CSO182 Total										351,366	1
CSO183	07-08-2022 11:45	07-08-2022 12:00	15	1	3,759	0	1	Atlas		1,970	1
	07-18-2022 02:00	07-18-2022 02:15	15	1	136	0	3	Atlas	Retained by Sneads Branch.	133	1



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	07-28-2022 20:30	07-28-2022 20:45	15	0	1,113	0	1	Atlas		480	1
	07-31-2022 06:30	07-31-2022 06:45	15	1	472	1	3	Atlas		599	1
	08-05-2022 02:30	08-05-2022 03:15	45	1	4,063	1	1	Atlas		3,824	1
	08-06-2022 14:30	08-06-2022 14:45	15	0	3,774	0	1	Atlas		1,532	1
	08-10-2022 21:30	08-10-2022 21:45	15	1	372	1	12	Atlas		451	1
	09-03-2022 20:30	09-03-2022 20:45	15	1	675	0	1	Atlas	Retained by Sneads Branch.	346	1
CSO183 Total										3,226,527	12
CSO184	07-08-2022 11:45	07-08-2022 12:00	15	1	4,700	0	1	Atlas		2,463	1
	07-18-2022 02:00	07-18-2022 02:15	15	1	1,782	0	3	Atlas	Retained by Sneads Branch.	1,752	1
	07-26-2022 08:30	07-26-2022 08:45	15	1	1,699	0	6	Atlas	Retained by Sneads Branch.	1,558	1
	07-28-2022 20:30	07-28-2022 20:45	15	0	34,379	0	1	Atlas		14,817	1
	07-31-2022 05:45	07-31-2022 06:45	60	1	6,354	1	3	Atlas		8,057	1
	08-05-2022 03:00	08-05-2022 03:30	30	1	38,497	1	1	Atlas		36,226	1
	08-06-2022 14:30	08-06-2022 14:45	15	0	58	0	1	Atlas		24	1
	08-10-2022 20:45	08-10-2022 21:00	15	1	3,170	1	12	Atlas		3,845	1
	08-21-2022 15:45	08-21-2022 16:00	15	1	29,083	1	1	Atlas		21,733	1
	09-03-2022 20:30	09-03-2022 20:45	15	1	17,330	0	1	Atlas	Retained by Sneads Branch.	8,890	1
CSO184 Total										99,365	10
CSO185	07-08-2022 12:00	07-08-2022 12:15	15	1	17,581	0	1	Atlas	Retained by Sneads Branch.	9,213	1
	07-18-2022 02:00	07-18-2022 02:30	30	1	25,943	0	3	Atlas	Retained by Sneads Branch.	25,502	1
	07-26-2022 08:30	07-26-2022 10:45	135	1	47,779	0	6	Atlas	Retained by Sneads Branch.	43,814	1
	07-28-2022 20:30	07-28-2022 21:00	30	0	89,285	0	1	Atlas		38,482	1
	07-31-2022 05:00	07-31-2022 07:00	120	1	73,547	1	3	Atlas		93,257	1
	08-05-2022 02:45	08-05-2022 03:30	45	1	230,120	1	1	Atlas		216,543	1
	08-06-2022 14:45	08-06-2022 15:00	15	0	62,872	0	1	Atlas		25,526	1
	08-10-2022 20:30	08-10-2022 22:00	90	1	123,839	1	12	Atlas		150,217	1
	08-21-2022 15:45	08-21-2022 16:15	30	1	235,341	1	1	Atlas		175,799	1
	09-03-2022 20:30	09-03-2022 22:00	90	1	146,451	0	1	Atlas	Retained by Sneads Branch.	75,129	1



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	09-06-2022 15:15	09-06-2022 23:00	465	0	40,536	0	1	Atlas	Retained by Sneads Branch.	8,310	1
	09-11-2022 14:30	09-11-2022 14:45	15	0	28,005	0	1	Atlas	Retained by Sneads Branch.	7,617	1
	10-25-2022 18:15	10-25-2022 18:45	30	0	7,837	0	1	Atlas	Retained by Sneads Branch.	3,323	1
	12-06-2022 22:45	12-06-2022 23:00	15	1	1,122	0	3	Atlas	Retained by Sneads Branch.	641	1
	12-30-2022 02:30	12-30-2022 03:00	30	0	230	0	1	Atlas	Retained by Sneads Branch.	2	1
CSO185 Total										873,375	15
CSO186	07-18-2022 02:00	07-18-2022 02:15	15	1	63,150	0	3	Atlas	Retained by Sneads Branch.	46,857	1
	07-28-2022 20:30	07-28-2022 20:45	15	1	59,887	1	1	Atlas		63,839	1
	09-03-2022 20:30	09-03-2022 20:45	15	1	573	1	1	Atlas	Retained by Sneads Branch.	396	1
CSO186 Total										111,092	3
CSO187	07-08-2022 11:30	07-08-2022 11:45	15	1	1,629	1	3	Atlas		1,318	1
	07-18-2022 01:45	07-18-2022 02:00	15	1	5,556	0	3	Atlas	Retained by Sneads Branch.	4,123	1
CSO187 Total										5,441	2
CSO188	07-28-2022 20:15	07-28-2022 20:45	30	1	128,793	1	1	Atlas		137,293	1
	08-05-2022 03:00	08-05-2022 03:15	15	1	3,631	1	1	Atlas		2,611	1
CSO188 Total										139,904	2
CSO189	07-08-2022 12:00	07-11-2022 06:45	4005	1	544,103,157	1	3	Atlas		443,444,073	1
	07-28-2022 20:00	07-29-2022 07:30	690	2	59,718,613	6	1	Atlas		107,493,503	1
	07-31-2022 06:15	07-31-2022 07:15	60	1	1,797,605	0	3	Atlas		1,558,523	1
	08-29-2022 15:00	08-29-2022 20:00	300	2	41,867,645	1	1	Atlas		67,699,981	1
	09-03-2022 21:15	09-04-2022 02:30	315	1	59,751,469	1	3	Atlas		58,675,943	1
CSO189 Total										678,872,023	5
CSO190	07-03-2022 00:45	07-03-2022 01:00	15	1	867	1	3	Atlas		656	1
	07-06-2022 14:15	07-06-2022 14:45	30	0	110,700	0	1	Atlas		40,295	1
	07-08-2022 11:45	07-08-2022 12:00	15	1	15,270	1	3	Atlas		17,103	1
	07-18-2022 02:00	07-18-2022 02:15	15	1	28,251	0	3	Atlas		29,551	1
	09-03-2022 20:45	09-03-2022 21:00	15	1	4,796	1	3	Atlas		4,340	1

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CSO190 Total	12-06-2022 23:15	12-06-2022 23:30	15	1	194	0	6	Alias		107	1
										92,052	6
	07-18-2022 02:45	07-18-2022 10:45	480	1	765,521	1	1	Alias		773,176	1
CSO191	07-26-2022 08:45	07-26-2022 14:00	315	1	582,882	0	6	Alias		512,936	1
	08-10-2022 14:30	08-10-2022 23:00	510	2	1,176,151	1	12	Alias		2,031,213	1
CSO191 Total	08-21-2022 15:30	08-21-2022 17:00	90	1	618,916	1	1	Alias		762,504	1
										4,079,829	4
CSO193	07-08-2022 11:45	07-08-2022 12:15	30	1	1,861	1	3	Alias		1,943	1
	07-18-2022 02:00	07-18-2022 02:45	45	1	4,213	1	3	Alias		3,421	1
	07-26-2022 10:15	07-26-2022 10:30	15	1	4,503	0	6	Alias		3,445	1
	07-28-2022 20:15	07-28-2022 20:45	30	1	77,545	2	1	Alias		107,477	1
	07-31-2022 05:15	07-31-2022 06:00	45	1	14,368	1	3	Alias		14,396	1
	08-05-2022 03:00	08-05-2022 03:15	15	1	14,238	0	1	Alias		8,828	1
	08-10-2022 21:30	08-10-2022 21:45	15	1	1,720	1	3	Alias		2,062	1
	08-21-2022 15:30	08-21-2022 15:45	15	0	1,320	0	6	Alias		441	1
CSO193 Total										142,013	8
CSO195	07-08-2022 11:30	07-08-2022 11:45	15	1	37	1	3	Alias		31	1
	07-18-2022 01:45	07-18-2022 02:00	15	1	5,595	1	3	Alias		4,779	1
	07-28-2022 20:30	07-28-2022 20:45	15	1	336	1	1	Alias		323	1
	08-05-2022 03:00	08-05-2022 03:15	15	1	1,345	0	1	Alias		857	1
	08-10-2022 21:30	08-10-2022 21:45	15	1	228	1	3	Alias		293	1
	09-03-2022 20:30	09-03-2022 20:45	15	1	2,966	1	1	Alias		2,708	1
CSO195 Total										8,991	6
CSO196	07-06-2022 15:15	07-06-2022 15:30	15	0	85	0	1	Alias		26	1
	07-08-2022 11:30	07-08-2022 12:00	30	1	1,443	1	3	Alias		1,201	1
	07-18-2022 01:45	07-18-2022 02:15	30	1	46,483	1	3	Alias		39,697	1
	07-26-2022 08:15	07-26-2022 08:30	15	1	3,504	0	6	Alias		2,800	1
	07-28-2022 20:15	07-28-2022 20:45	30	1	53,341	1	1	Alias		51,261	1
	07-31-2022 05:30	07-31-2022 05:45	15	1	2,858	1	3	Alias		3,064	1
	08-05-2022 03:00	08-05-2022 03:15	15	1	70,502	0	1	Alias		44,910	1
	08-06-2022 14:15	08-06-2022 14:45	30	0	124	0	1	Alias		43	1
	08-10-2022 20:15	08-10-2022 21:30	75	1	53,342	1	3	Alias		68,545	1
	08-21-2022 15:30	08-21-2022 15:45	15	0	160	0	1	Alias		76	1
	09-03-2022 20:15	09-03-2022 20:30	15	1	332	1	1	Alias		303	1
	09-25-2022 09:30	09-25-2022 09:45	15	0	9	0	1	Alias		1	1
	10-25-2022 18:15	10-25-2022 18:30	15	0	19	0	1	Alias		7	1



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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (INCH)	DISCHARGE PER RAIN (GAL/IN)	FREQUENCY(YR)	PERIOD(HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
	11-11-2022 08:45	11-11-2022 09:15	30	0	11	0	3	Alias		4	1
	12-06-2022 23:30	12-06-2022 23:45	15	1	53	0	6	Alias		28	1
CSO196 Total										211,966	15
CSO197	07-08-2022 11:30	07-08-2022 12:00	30	1	7,587	1	3	Alias		6,312	1
	07-18-2022 01:45	07-18-2022 02:15	30	1	9,086	1	3	Alias		7,760	1
	07-26-2022 08:15	07-26-2022 10:15	120	1	6,174	0	6	Alias		4,933	1
	07-28-2022 20:00	07-28-2022 20:45	45	1	274,621	1	1	Alias		263,911	1
	07-31-2022 05:30	07-31-2022 05:45	15	1	2,516	1	3	Alias		2,697	1
	08-05-2022 03:00	08-05-2022 03:15	15	1	3,509	0	1	Alias		2,236	1
	08-10-2022 21:15	08-10-2022 21:30	15	1	2,099	1	3	Alias		2,697	1
	09-03-2022 20:15	09-03-2022 20:30	15	1	1,690	1	1	Alias		1,543	1
CSO197 Total										292,089	8
CSO198	07-08-2022 11:30	07-08-2022 12:00	30	1	11,112	1	3	Alias		9,245	1
	07-18-2022 01:45	07-18-2022 02:15	30	1	6,798	1	3	Alias		5,805	1
	07-28-2022 20:00	07-28-2022 20:30	30	1	165,631	1	1	Alias		159,172	1
	07-31-2022 05:30	07-31-2022 05:45	15	1	2,222	1	3	Alias		2,382	1
	08-10-2022 21:00	08-10-2022 21:30	30	1	8,854	1	3	Alias		11,377	1
	09-03-2022 20:15	09-03-2022 20:30	15	1	4,689	1	1	Alias		4,281	1
CSO198 Total										192,262	6
CSO199	07-08-2022 11:45	07-08-2022 12:30	45	1	13,224	1	3	Alias		11,002	1
	07-18-2022 02:00	07-18-2022 02:45	45	1	42,583	1	3	Alias		36,366	1
	07-26-2022 08:30	07-26-2022 10:30	120	1	9,733	0	6	Alias		7,777	1
	07-28-2022 20:15	07-28-2022 21:15	60	1	18,898	1	1	Alias		18,161	1
	07-31-2022 04:00	07-31-2022 06:15	135	1	9,418	1	3	Alias		10,096	1
	08-10-2022 13:30	08-10-2022 22:00	510	1	17,072	1	3	Alias		21,938	1
	08-21-2022 15:30	08-21-2022 16:00	30	0	17	0	1	Alias		8	1
	09-03-2022 20:30	09-03-2022 21:00	30	1	12,602	1	1	Alias		11,506	1
	10-25-2022 18:15	10-25-2022 18:45	30	0	37	0	1	Alias		14	1
	12-06-2022 20:30	12-06-2022 23:45	195	1	372	0	6	Alias		196	1
	12-09-2022 01:45	12-09-2022 12:45	660	0	4	0	6	Alias		2	1
	12-14-2022 04:15	12-14-2022 04:30	15	1	0	0	24	Alias		0	1
	12-14-2022 19:00	12-15-2022 00:00	300	1	3	0	24	Alias		4	1
CSO199 Total										117,070	13
CSO201	07-08-2022 11:45	07-08-2022 12:15	30	1	19,438	1	3	Alias		20,293	1
	07-18-2022 02:00	07-18-2022 02:15	15	1	14,377	1	3	Alias		11,674	1
	07-28-2022 20:15	07-28-2022 21:00	45	1	36,101	2	1	Alias		50,036	1

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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (INCH)	DISCHARGE PER RAIN (GAL/IN)	FREQUENCY(YR)	PERIOD(HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
	08-05-2022 03:15	08-05-2022 03:30	15	1	55	0	1	Atlas		34	1
	08-10-2022 21:15	08-10-2022 21:45	30	1	17,917	1	3	Atlas		21,483	1
	09-03-2022 20:30	09-03-2022 20:45	15	1	13,919	1	1	Atlas		13,529	1
CSO201 Total										117,049	6
CSO202	07-06-2022 15:15	07-06-2022 15:30	15	0	1,853	0	1	Atlas		573	1
	07-08-2022 11:45	07-08-2022 12:15	30	1	2,149	1	3	Atlas		1,788	1
	07-18-2022 02:00	07-18-2022 02:15	15	1	2,552	1	3	Atlas		2,179	1
	07-26-2022 10:15	07-26-2022 10:30	15	1	1,921	0	6	Atlas		1,535	1
	07-28-2022 20:15	07-28-2022 21:00	45	1	87,703	1	1	Atlas		84,283	1
	07-31-2022 05:15	07-31-2022 06:00	45	1	1,273	1	3	Atlas		1,365	1
	08-05-2022 03:00	08-05-2022 03:15	15	1	7,607	0	1	Atlas		4,845	1
	08-06-2022 14:15	08-06-2022 14:30	15	0	479	0	1	Atlas		168	1
	08-10-2022 20:15	08-10-2022 21:45	90	1	18,422	1	3	Atlas		23,672	1
CSO202 Total										120,408	9
CSO203	07-08-2022 11:45	07-08-2022 12:15	30	1	9,079	1	3	Atlas		7,554	1
	07-18-2022 02:00	07-18-2022 02:30	30	1	16,243	1	3	Atlas		13,872	1
	07-26-2022 10:15	07-26-2022 10:30	15	1	561	0	6	Atlas		448	1
	07-28-2022 20:15	07-28-2022 20:45	30	1	79,764	1	1	Atlas		76,653	1
	08-10-2022 21:30	08-10-2022 21:45	15	1	1,016	1	3	Atlas		1,306	1
	09-03-2022 20:30	09-03-2022 20:45	15	1	11,618	1	1	Atlas		10,607	1
CSO203 Total										110,440	6
CSO205	07-08-2022 12:00	07-08-2022 12:15	15	1	2	0	3	Atlas	Retained by Sneads Branch.	1	1
	07-28-2022 21:00	07-29-2022 03:45	405	1	161	1	1	Atlas		105	1
	07-31-2022 05:30	07-31-2022 12:45	435	1	50	1	3	Atlas		60	1
	08-29-2022 16:30	08-29-2022 18:00	90	1	9	0	3	Atlas	Retained by Sneads Branch.	6	1
	08-30-2022 02:00	08-30-2022 02:15	15	1	11	0	3	Atlas	Retained by Sneads Branch.	7	1
	09-11-2022 17:30	09-11-2022 18:15	45	0	390	0	1	Atlas	Retained by Sneads Branch.	76	1
	10-25-2022 18:30	10-25-2022 18:45	15	0	4	0	1	Atlas	Retained by Sneads Branch.	2	1
	10-31-2022 00:00	10-31-2022 00:30	30	1	5	0	6	Atlas	Retained by Sneads Branch.	3	1
	12-06-2022 23:15	12-06-2022 23:30	15	1	2	0	3	Atlas	Retained by Sneads Branch.	1	1



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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (INCH)	DISCHARGE PER RAIN (GAL/IN)	FREQUENCY(YR)	PERIOD(HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
	12-14-2022 04:15	12-14-2022 07:45	210	1	509	0	24	Atlas	Retained by Sreeds Branch.	573	1
	12-14-2022 23:00	12-14-2022 23:30	30	1	93	0	24	Atlas	Retained by Sreeds Branch.	105	1
CSO205 Total										939	11
CSO208	07-28-2022 19:45	07-28-2022 20:30	45	2	35,160	4	1	Atlas		56,678	1
	09-03-2022 20:15	09-03-2022 20:30	15	1	16,798	1	1	Atlas		16,227	1
CSO208 Total										72,905	2
CSO210	07-08-2022 11:30	07-08-2022 14:30	180	1	203,739	1	1	Atlas		154,027	1
	07-18-2022 01:30	07-18-2022 08:30	420	1	110,185	1	3	Atlas		105,998	1
	07-26-2022 08:30	07-26-2022 13:45	315	1	161,729	0	6	Atlas		121,297	1
	07-28-2022 19:45	07-28-2022 23:00	195	2	179,584	4	1	Atlas		292,183	1
	07-31-2022 05:00	07-31-2022 11:30	390	1	192,554	1	3	Atlas		183,119	1
	08-05-2022 03:15	08-05-2022 06:30	195	1	22,156	0	1	Atlas		14,091	1
	08-10-2022 12:45	08-11-2022 03:00	855	1	164,760	1	1	Atlas		222,591	1
	08-21-2022 15:15	08-21-2022 15:45	30	1	9,911	1	1	Atlas		9,039	1
	08-29-2022 14:45	08-29-2022 18:15	210	1	705,446	1	1	Atlas		1,049,704	1
	08-30-2022 05:45	08-30-2022 08:30	165	1	227,250	1	1	Atlas		338,148	1
	09-03-2022 20:15	09-04-2022 01:00	285	1	2,075,603	1	3	Atlas		2,507,329	1
	09-06-2022 14:30	09-06-2022 18:30	240	1	3,749,085	1	1	Atlas		3,175,475	1
	10-25-2022 19:45	10-25-2022 20:00	15	0	822	0	1	Atlas		358	1
	10-30-2022 19:00	10-30-2022 23:00	240	0	227	0	6	Atlas		99	1
	11-11-2022 08:45	11-11-2022 15:15	390	0	12,702	0	3	Atlas		6,148	1
	12-06-2022 22:30	12-07-2022 04:45	375	1	102,735	0	1	Atlas		59,278	1
	12-08-2022 09:30	12-08-2022 18:45	555	0	235,557	0	6	Atlas		109,298	1
	12-14-2022 05:00	12-15-2022 07:00	1560	1	282,458	1	24	Atlas		366,348	1
CSO210 Total										8,714,530	18
CSO211	07-08-2022 12:30	07-08-2022 14:15	105	1	2,221,760	1	1	Atlas		1,679,650	1
	07-18-2022 02:15	07-18-2022 04:30	135	1	14,894,934	1	3	Atlas		14,328,926	1
	07-26-2022 09:00	07-26-2022 12:45	225	1	2,217,184	0	6	Atlas		1,662,888	1
	07-28-2022 20:00	07-28-2022 22:00	120	2	14,828,952	4	1	Atlas		24,126,704	1
	07-31-2022 05:45	07-31-2022 08:30	165	1	20,069,175	1	3	Atlas		19,085,786	1
	08-05-2022 03:30	08-05-2022 05:15	105	1	2,946,987	0	1	Atlas		1,874,284	1
	08-10-2022 20:45	08-11-2022 00:30	225	1	11,871,868	1	1	Atlas		16,038,894	1
	08-21-2022 16:00	08-21-2022 18:15	135	1	2,211,553	1	1	Atlas		2,016,936	1
	09-03-2022 20:45	09-04-2022 00:15	210	1	14,027,744	1	3	Atlas		16,945,515	1

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CSO	START DATE	END DATE	DURATION (MIN)	RAIN TOTAL (INCH)	DISCHARGE PER RAIN (GAL/IN)	FREQUENCY(YR)	PERIOD(HR)	STANDARD	COMMENT	DISCHARGE VOLUME (GAL)	COUNT OF CSO
	10-25-2022 19:45	10-25-2022 20:15	30	0	74,361	0	1	Atlas		32,421	1
	10-30-2022 17:45	10-30-2022 18:30	45	0	64,836	0	6	Atlas		28,204	1
	11-11-2022 08:45	11-11-2022 11:15	150	0	1,762,793	0	3	Atlas		853,192	1
	12-06-2022 23:00	12-07-2022 02:00	180	1	15,400,332	0	1	Atlas		8,885,991	1
	12-08-2022 11:30	12-08-2022 13:00	90	0	599,000	0	6	Atlas		277,936	1
	12-14-2022 05:30	12-14-2022 11:15	345	1	10,817,774	1	24	Atlas		14,030,652	1
	12-14-2022 22:45	12-15-2022 02:00	195	1	3,897,734	1	24	Atlas		5,055,361	1
CSO211 Total										126,923,340	16

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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 <sup>1</sup>				MODELED TYPICAL YEAR ACTIVATIONS FOR CURRENT CONDITIONS <sup>2</sup>				MODELED TYPICAL YEAR ACTIVATIONS FOR PRE-IOAP CONDITIONS <sup>3</sup>			
		VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	TYPICAL YEAR MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED
015 & 191	8	125	1095	18	381	6765	113	2784	77235	1287			
016	8	0	285	5	1	555	9	39	5625	94			
018	0	0	0	0	10	960	16	158	30045	501			
019	8	14	435	7	14	435	7	193	15980	267			
020	8	1	435	7	85	14610	244	355	26115	435			
022	8	2	315	5	2	435	7	5	945	16			
023	8	0	0	0	0	0	0	2	525	9			
027	N/A5	0	0	0	0	0	0	0	0	0			
028	8	0	0	0	0	0	0	1	2520	42			
029	8	0	105	2	0	180	3	5	6315	105			
031	N/A5	0	0	0	0	0	0	0	0	0			
034	8	0	180	3	0	300	5	3	7680	128			
035	N/A5	0	0	0	0	45	0	0	0	0			
036	8	0	165	3	0	255	4	0	480	8			
038	N/A5	0	195	3	0	375	6	0	390	7			
050	8	0	0	0	0	0	0	20	7230	121			
051	N/A - CSO to be eliminated <sup>4</sup>	N/A - CSO to be eliminated <sup>4</sup>											
052	8	0	0	0	1	1920	32	2	2700	45			
053	8	0	0	0	0	30	0	8	11100	185			
054	8	0	465	8	0	270	5	2	8865	148			
055	8	1	510	9	1	255	4	5	2535	42			
056	8	0	0	0	0	30	0	4	2550	43			
057	N/A5	0	0	0	0	0	0	0	0	0			
058	8	0	0	0	0	0	0	51	21510	359			
062	N/A5	1	255	4	7	1665	28	100	18525	309			
082	0	0	0	0	0	210	4	19	11925	199			
083	N/A - CSO to be eliminated <sup>4</sup>	N/A - CSO to be eliminated <sup>4</sup>											
084	0	0	0	0	0	120	2	19	5205	87			
086	N/A5	0	0	0	0	0	0	0	0	0			
088	4	0	45	0	0	105	2	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 <sup>1</sup>			MODELED TYPICAL YEAR ACTIVATIONS FOR CURRENT CONDITIONS <sup>2</sup>			MODELED TYPICAL YEAR ACTIVATIONS FOR PRE-IOAP CONDITIONS <sup>3</sup>		
		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 <sup>5</sup>	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	345	6	18	12390	207
104	8	29	585	10	40	915	15	9	2955	49
105	8	29	585	10	40	915	15	260	9450	158
106	N/A - CSO to be eliminated <sup>4</sup>	N/A - CSO to be eliminated <sup>4</sup>								
108	8	2	210	4	2	345	6	52	7410	124
109	N/A <sup>5</sup>	2	705	12	2	1080	18	1	1695	28
110	8	0	240	4	0	285	5	20	9735	162
111	8	1	315	5	1	360	6	5	3675	61
113	8	0	0	0	0	0	0	6	2475	41
117	8	35	2415	40	46	3480	58	86	13320	222
118	0	0	0	0	3	555	9	118	10350	173
119	0	1	1185	20	0	330	6	10	7830	131
120	0	0	0	0	0	135	2	7	6825	114
121	0	0	0	0	0	30	0	6	1890	32
125	4	0	0	0	0	75	1	24	5295	88
126	4	0	0	0	0	360	6	3	3225	54
127	N/A - CSO to be eliminated <sup>4</sup>	N/A - CSO to be eliminated <sup>4</sup>								
130	8	0	0	0	0	0	0	2	0	0
131	4	0	75	1	0	135	2	2	135	2
132	4	0	0	0	0	0	0	83	0	0
137	N/A - CSO to be eliminated <sup>4</sup>	N/A - CSO to be eliminated <sup>4</sup>								
140	0	0	0	0	0	120	2	3	3030	51
141	0	0	0	0	0	0	0	1	10215	170
144	N/A <sup>5</sup>	1	345	6	1	495	8	1	225	4
146	8	1	315	5	1	390	7	38	5910	99
148	8	0	0	0	0	0	0	1	1650	28
149	8	22	1920	32	25	2640	44	138	7590	127
150	8	0	0	0	0	0	0	1	1575	26
151	8	0	90	2	0	165	3	98	35145	586
152	8	6	720	12	8	930	16	59	11715	195

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CSO	MODELED TYPICAL YEAR ACTIVATIONS FOR POST-IOAP CONDITIONS <sup>1</sup>				MODELED TYPICAL YEAR ACTIVATIONS FOR CURRENT CONDITIONS <sup>2</sup>				MODELED TYPICAL YEAR ACTIVATIONS FOR PRE-IOAP CONDITIONS <sup>3</sup>			
	IOAP APPROVED LEVEL OF CONTROL	VOLUME (MG)	MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	MODELED TOTAL MINUTES ACTIVATED	TYPICAL YEAR MODELED TOTAL HOURS ACTIVATED	VOLUME (MG)	MODELED TOTAL MINUTES ACTIVATED
153	0	0	0	0	1	1050	18	19	15345	256		
154	4	0	0	0	0	0	0	23	15480	258		
155	8	0	0	0	0	0	0	1	2130	36		
160	0	0	0	0	0	0	0	0	465	8		
161	N/A5	0	0	0	0	0	0	0	0	0		
166	4	0	0	0	0	0	0	52	5595	93		
167	4	0	0	0	0	0	0	0	1890	32		
172	N/A - CSO eliminated <sup>4</sup>	N/A - CSO eliminated <sup>4</sup>										
178	8	0	75	1	0	105	2	20	11250	188		
179	N/A5	0	0	0	0	0	0	0	0	0		
181	8	0	0	0	0	0	0	4	8835	147		
189	8	25	555	9	37	1005	17	240	11505	192		
190	8	1	210	4	1	210	4	30	7380	123		
193	8	0	180	3	0	300	5	0	315	5		
195	8	0	0	0	0	135	2	3	10545	176		
196	8	0	0	0	0	240	4	0	495	8		
197	8	0	165	3	0	270	5	3	8385	140		
198	N/A5	0	150	3	0	255	4	0	510	9		
199	8	0	150	3	0	255	4	1	7605	127		
200	8	0	0	0	0	0	0	2	12120	202		
201	N/A5	0	240	4	0	465	8	1	1245	21		
202	8	0	150	3	0	285	5	0	1695	28		
203	N/A5	0	0	0	0	240	4	0	0	0		
206	N/A - CSO eliminated <sup>4</sup>	N/A - CSO eliminated <sup>4</sup>										
207	N/A5	0	0	0	0	0	0	0	0	0		
208	N/A5	0	375	6	0	660	11	1	4890	82		
210	8	2	375	6	3	645	11	19	5835	97		
211	8	34	690	12	95	1140	19	1090	18585	310		
SBR	N/A5	5	645	11	0	0	0	46	27015	450		

<sup>1</sup>Post-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 completed projects and the results based on projected optimization and projected revisions to the RTG. Additional revisions to RTG and programming is anticipated as projects are completed and RTG optimized. Modeling results demonstrate that the system, as currently designed and when operating at full capacity, will perform better than the approved plan. However, this data is provided for information only. The modeling results do not reflect a specific commitment to the number of activations, cumulative volume or 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.



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CSO	IOAP APPROVED LEVEL OF CONTROL	MODELED TYPICAL YEAR ACTIVATIONS FOR POST-IOAP CONDITIONS <sup>1</sup>			MODELED TYPICAL YEAR ACTIVATIONS FOR CURRENT CONDITIONS <sup>2</sup>			MODELED TYPICAL YEAR ACTIVATIONS FOR PRE-IOAP CONDITIONS <sup>3</sup>		
		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

<sup>2</sup>Current Condition results are based on model simulations of the 2001 Typical Year with current upstream SSDD conditions and the current average available treatment plant capacity. The model reflects projects certified through June 30, 2022. Partial construction of projects was not included.

<sup>3</sup>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.

<sup>4</sup>These CSOs have been eliminated via implementation of Long Term Control Plan projects

<sup>5</sup>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.



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**APPENDIX C**

**UNAUTHORIZED DISCHARGES - WET WEATHER SSOs**

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WGTC NAME	WGTC 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	611 WOOD-LAKE DR	7/18/2022 10:14	7/18/2022 11:30	1,000	Sewer Main	80581BAG	STREAM	FLOYDS FORK	MECHANICAL FAILURE (FORCE MAIN BREAK).	STRUCTURAL FAILURE	3537429	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL.	CONTRACTOR TO REPAIR FORCE MAIN BREAK.
MORRIS FORMAN	KY0022411	1201 OLD CANNONS LN	7/29/2022 23:30	7/29/2022 0:45	60,000	Sewer Manhole	IS021A-SI	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544554	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWAY. DIRECTLY INTO STREAM.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	1201 OLD CANNONS LN	7/31/2022 7:45	8/1/2022 0:15	1,944,444	Sewer Manhole	IS021A-SI	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544787	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWAY. DIRECTLY INTO STREAM.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	1001 BRECKEN-RIDGE LN	7/31/2022 8:15	7/31/2022 15:45	299,375	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544788	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWAY. DIRECTLY INTO STREAM.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	2408 GRAY FOX RD	7/31/2022 9:00	7/31/2022 19:45	30,000	Sewer Manhole	27012	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544791	CLEAN UP NOT REQUIRED NO SOLID OR DEBRIS OBSERVED.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	1011 ALTA CIR	7/31/2022 9:15	7/31/2022 19:50	120,000	Sewer Manhole	45796	DITCH	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544794	WOR#3545218.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	3402 CHARLANE PKY	7/31/2022 10:00	8/1/2022 6:43	62,150	Sewer Manhole	28452	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544798	WOR#3545221.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	3402 CHARLANE PKY	7/31/2022 10:09	8/1/2022 6:39	30,750	Sewer Manhole	28453	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544797	WOR#3545219.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	3406 CHARLANE PKY	7/31/2022 10:15	8/1/2022 6:45	30,750	Sewer Manhole	28451	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544799	WOR#3545222.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	3506 CHARLANE PKY	7/31/2022 10:20	8/1/2022 6:46	30,750	Sewer Manhole	28250	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544800	WOR#3545223.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	3500 ST EDWARDS DR	7/31/2022 10:25	8/1/2022 6:50	30,625	Sewer Manhole	28249	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544801	WOR#3545224.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	3620 CHARLANE PKY	7/31/2022 10:30	8/1/2022 6:53	61,150	Sewer Manhole	28340	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544802	WOR#3545226.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	3620 CHARLANE PKY	7/31/2022 10:35	8/1/2022 6:58	61,150	Sewer Manhole	28336	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544803	WOR#3545228.	LOCATION INCLUDED IN THE IOAP.



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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	202 OX-MOOR LN	7/31/2022 11:05	7/31/2022 22:00	150,000	Sewer Manhole	47583	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544805	WO#3545229.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	201 BUL-LITT LN	7/31/2022 11:20	7/31/2022 22:00	30,000	Sewer Manhole	47582	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3544806	WO#3545230.	LOCATION INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	3402 CHARLANE PKY	12/14/2022 10:10	12/15/2022 9:15	3,450	Sewer Manhole	28463	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3590838	DISCLN WO#3591000	SYSTEM INCLUDED IN IOAP.
MORRIS FORMAN	KY0022411	3402 CHARLANE PKY	12/14/2022 10:19	12/15/2022 9:15	3,450	Sewer Manhole	28462	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY HEAVY RAIN.	LACK OF SYSTEM CAPACITY	3590840	DISCLN WO#3590899.	SYSTEM INCLUDED IN IOAP.



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**APPENDIX D**

**UNAUTHORIZED DISCHARGES - DRY WEATHER CSOs**

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WQTC NAME	WQTC KPDES#	OVERFLOW LOCATION	START DATE & TIME	STOP DATE & TIME	VOLUME (GAL)	SOURCE ASSET TYPE	SOURCE ASSET ID	SOURCE ASSET DISCHARGES TO	RECEIVING STREAM	CAUSE	DUE TO	WO #	CLEANUP EFFORTS	REPAIR EFFORTS

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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
DEREK R. GUTHRIE	KY0078956	9513 LAMBORNE BLVD	8/5/2022 0:00	8/5/2022 0:35	25	Sewer Manhole	79819D	GROUND	POND CREEK	GREASE BLOCKAGE IN THE MAIN SEWER	GREASE BLOCKAGE	3547129	MSD PERSONNEL WILL CLEAN IMPACTED AREA	FLUSHED MAIN SEWER TO REMOVE BLOCKAGE #3547126
FLOYDS FORK	KY0102784	303 N ENGLISH STATION RD	8/29/2022 9:14	8/29/2022 12:21	1,250	Sewer Manhole	117636	GROUND	FLOYDS FORK	GREASE IN MAIN SEWER.	GREASE BLOCKAGE	3566800	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	FLUSH #3566802
MORRIS FORMAN	KY0022411	4545 TAYLORSVILLE RD	10/22/2022 19:00	10/22/2022 20:00	1	Sewer Manhole	48681	GROUND	SOUTH FORK BEARGRASS CREEK	UNKNOWN OBSTRUCTION IN THE MAIN SEWER.	OBSTRUCTION- NOT GREASE / ROOTS	3576068	REFERRED TO AREA SUPERVISOR FOR DISCLN.	FLUSHED THE MAIN TO REMOVE OBSTRUCTION; #3576070.
FLOYDS FORK	KY0102784	911 EASTWOOD FISHERVILLE RD	11/10/2022 13:55	11/10/2022 14:15	1000	Sewer Main	98911-V	STREAM	LONG RUN	STRUCTURAL FAILURE, FORCEMAIN BREAK.	STRUCTURAL FAILURE	3579931	AREA DISINFECTED WITH LIME.	CONTRACTOR CALLED TO PERFORM REPAIRS.
MORRIS FORMAN	KY0022411	701 WATERFORD RD	12/2/2022 16:40	12/8/2022 16:45	5	Sewer Service Line	151384	GROUND	MUDDY FORK BEARGRASS CREEK	UTILITY DAMAGED SEWER LINE.	UTILITY DAMAGED MSD ASSET	3566865	MSD WILL CLEAN AND SANITIZE IMPACTED AREA.	MSR #3566863
MORRIS FORMAN	KY0022411	1130 ROSTREVOR CIR	12/12/2022 10:28	12/12/2022 12:35	720	Sewer Manhole	72592	GROUND	MIDDLE FORK BEARGRASS CREEK	ROOTS IN MAIN SEWER.	ROOTS	3580230	MSD CLEANED AND SANITIZED IMPACTED AREA.	RC #3580287

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**APPENDIX F**

**BYPASSES AT WATER QUALITY TREATMENT CENTERS**

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WQTC NAME	WQTC KPDES#	OVERFLOW LOCATION	START DATE & TIME	STOP DATE & TIME	VOLUME (GAL)	SOURCE ASSET ID	SOURCE ASSET DISCHARGES TO	RECEIVING STREAM	CAUSE	WEATHER	WO #	CLEANUP EFFORTS	REPAIR EFFORTS
MORRIS FORMAN	KY0022411	4622 ALGONQUIN PKY	12/7/2022 5:21	12/7/2022 6:45	900000	MSD0278	STREAM	OHIO RIVER	BYPASS AT WASTEWATER TREATMENT PLANT. INCORRECT TANK READINGS ON HYPO AT BELLS LANE - RAN OUT OF CHEMICAL.	WET WEATHER	3589685	NA	REPAIRED THE TANK LEVEL MONITOR. GET EMERGENCY DELIVERY OF CHEMICAL. DOSE TABS IF NEEDED.

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**APPENDIX G**

**IOAP CROSSWALK**

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PROJECT NAME	PROGRAM	ASSET ID	PROJECT ID
17TH ST FPS DWO ELIMINATION	LTCP-DWO	MSD0306-FP	L_OR_MF_190_S_03_A_A
27TH STREET FPS DWO ELIM	LTCP-DWO	MSD0307-FP	L_OR_MF_019_S_03_A_A
34TH ST FPS DWO ELIMINATION	LTCP-DWO	MSD0308-FP	L_OR_MF_019_S_03_A_B
4TH STREET FPS DWO ELIMINATION	LTCP-DWO	CS0022	L_OR_MF_022_M_03_A_A
4TH STREET FPS DWO ELIMINATION	LTCP-DWO	MSD0303-FP	L_OR_MF_022_M_03_A_A
ADAMS STREET SEWER SEPARATION (FORMERLY STORAGE BASIN)	LTCP-CSO	CS0172	L_OR_MF_172_S_09B_B_A_0
ADMIRAL WAY FORCE MAIN DIVERSION	AM	93703	AMADMIRALWAYS
ADMIRAL WAY FORCE MAIN DIVERSION	AM	93705	AMADMIRALWAYS
ANCHOR ESTATES PS ELIMINATIONS 1 - VANNAH PUMP STATION ELIMINATION	SSDP-SSO	01106	S_MI_MF_NB06_M_01_A_A-2
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	00066-W	S_MI_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	0057-W	S_MI_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	00746	S_MI_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	00817	S_MI_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	MSD0056-LS	S_MI_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	MSD0057-LS	S_MI_MF_NB06_M_01_A_A-1
ANCHOR ESTATES PS ELIMINATIONS 2 - ANCHOR ESTATES #1 AND #2 PUMP STATION ELIMINATION	SSDP-SSO	MSD0165-PS	S_FF_FF_NB03_M_01_C_A
ASHBURTON PS IMPROVEMENTS & DIVERSION	SSDP-SSO	MSD0166-PS	S_FF_FF_NB03_M_01_C_A
ASHBURTON PS IMPROVEMENTS & DIVERSION	SSDP-SSO	21229	S_PO_WC_PC07_M_01_A
AVANTI PS ELIMINATION	SSDP-SSO	88545	S_CC_CC_MSD1025_S_03_B
BARDSTOWN RD PS IMPROVEMENTS	SSDP-SSO	51594	S_SD_MF_NB06_S_13_C
BEARGRASS INTERCEPTOR REHABILITATION PH 2	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#39;S RUN) WET WEATHER TREATMENT FACILITY	LTCP-CSO	CS0015	L_OR_MF_015_M_13_B_B_8
BELLS LANE (FORMERLY PADDY#39;S RUN) WET WEATHER TREATMENT FACILITY	LTCP-CSO	CS0191	L_OR_MF_015_M_13_B_B_8
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	08426	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	08427	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	08429	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	08430	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	08431	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	085100290046A	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	18654	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	49647	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	85055	C_SF_MF_B
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	85075	C_SF_MF_B



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PROJECT NAME	PROGRAM	ASSET ID	PROJECT ID
BUECHEL TRUNK SEWER REHABILITATION	AEAP-CR	85097	C_SF_MF_B
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	08717	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	104223	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	104224	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	104231	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	13831	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	13843	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	13846	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	34093542	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	36763	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	44396	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	44397	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	51301	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	66349	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	99259	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	KK14815019	S_SF_MF_30917_M_09_A
CAMP TAYLOR SYSTEM IMPROVEMENT PHASE 1 - SSES	SSDP-SSO	KK1485239	S_SF_MF_30917_M_09_A
CAVEN AVENUE PS ELIMINATION	SSDP-SSO	17724	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP-SSO	27116	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP-SSO	61667	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP-SSO	61687	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP-SSO	70212	S_PO_WC_PC09_M_09B_C
CAVEN AVENUE PS ELIMINATION	SSDP-SSO	MSD0133-PS	S_PO_WC_PC09_M_09B_C
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0028	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0029	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0034	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0036	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0178	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0181	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0183	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0185	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0186	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0197	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0199	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0200X	L_OR_MF_155_M_09B_B_B_4-1
CENTRAL RELIEF DRAIN CSO IN-LINE STORAGE, GREEN INFRASTRUCTURE, AND DISTRIBUTED STORAGE	LTCP-CSO	CS0202	L_OR_MF_155_M_09B_B_B_4-1
CHARLESWOOD INTERCEPTOR EXTENSION	SSDP-SSO	25477	S_PO_WC_PC03_M_01_C
CHARLESWOOD INTERCEPTOR EXTENSION	SSDP-SSO	25479	S_PO_WC_PC03_M_01_C

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



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DEREK R GUTHRIE WQTC UPGRADES	OTHER	32688	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	OTHER	59169	DEREK R GUTHRIE WQTC UPGRADES
DEREK R GUTHRIE WQTC UPGRADES	OTHER	MSD0277	DEREK R GUTHRIE WQTC UPGRADES
DERINGTON CT PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	20154-W	S_OR_MF_NB03_S_07_C
DERINGTON CT PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	20155	S_OR_MF_NB03_S_07_C
DERINGTON CT PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	MSD0095-PS	S_OR_MF_NB03_S_07_C
DERINGTON CT PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	04689-W	S_MC_WC_NB02_S_03_C
EAST ROCKFORD PS RELOCATION	SSDP-SSO	MSD1105-PS	S_FF_FF_NB02_S_13_C
EDEN CARE PS SSO INVESTIGATION	SSDP-SSO	92098	S_PO_WC_PC11_M_07_C
EDSEL PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	92099	S_PO_WC_PC11_M_07_C
EDSEL PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	94009	S_PO_WC_PC11_M_07_C
EDSEL PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	MSD1048-PS	S_PO_WC_PC11_M_07_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	64096	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	68052	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	92061	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	MSD0196-PS	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	MSD0263	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	MSD0263A-PS	S_JT_JT_NB01A_M_03_C
ELIMINATION OF CHENOWETH HILLS WQTC, CHENOWETH RUN PUMP STATION, AND CHIPPEWA PUMP STATION	SSDP-SSO	MSD1043-PS	S_JT_JT_NB01A_M_03_C
FAIRMOUNT RD PS IMPROVEMENTS	SSO	116106	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSO	81316	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSO	97362	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSO	97363	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSO	97365	S_FF_CC_81316_M_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSDP-SSO	MSD1066-PS	S_HC_HS_NB01_S_03_C_A
FAIRMOUNT RD PS IMPROVEMENTS	SSDP-SSO	108953	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP-SSO	108956	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP-SSO	108957	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP-SSO	108958	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP-SSO	90776	S_HC_HC_MSD1086_M_07_C_A
FLOYDSBURG RD I&I INVEST	SSDP-SSO	MSD1086-PS	S_HC_HC_MSD1086_M_07_C_A
FOX HARBOR IN-LINE STORAGE	SSO	62769	S_HC_HN_NB03_S_09A_A_A
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	109306	S_ML_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	117721	S_ML_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	43472	S_ML_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	46891	S_ML_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	62418	S_ML_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	62420	S_ML_MF_NB04_M_03_B-1

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GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	91629	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	91630	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	MSD0040-PS	S_MI_MF_NB04_M_03_B-1
GOOSE CREEK PS IMPROVEMENTS AND WET WEATHER STORAGE 1 - DEVONDALE WET WEATHER STORAGE	SSDP-SSO	MSD1024-PS	S_MI_MF_NB04_M_03_B-1
GOVERNMENT CENTER PS ELIMINATION	SSDP-SSO	94541	S_PO_WC_PC06_M_01_C
GOVERNMENT CENTER PS ELIMINATION	SSDP-SSO	94542	S_PO_WC_PC06_M_01_C
GOVERNMENT CENTER PS ELIMINATION	SSDP-SSO	MSD0180-PS	S_PO_WC_PC06_M_01_C
GUNPOWDER PS IN-LINE STORAGE	SSDP-SSO	MSD1055-LS	S_HC_HN_NB02_S_09A_C_B
HAZELWOOD PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	55665	S_MC_MF_55665_S_07_C
HAZELWOOD PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	55667	S_MC_MF_55665_S_07_C
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	17571	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18134	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18297	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18298	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18299	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18302	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18318-W	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18370	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18434	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18471	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18483	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18505	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	18595	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	47960A	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	48885	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	48886	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	48888	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	49224	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	49236	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	49672	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	49673	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	73111	HIKES LN INTER & HIGHGATE SPR
HIKES LANE INTERCEPTOR & HIGHGATE SPRINGS PS	ISSDP	MSD0012-PS	HIKES LN INTER & HIGHGATE SPR
HURSTBOURNE I/I INVESTIGATION & REHABILITATION	SSDP-SSO	01793	S_MI_MF_NB07_S_07_C
HURSTBOURNE I/I INVESTIGATION & REHABILITATION	SSDP-SSO	47650	S_MI_MF_NB07_S_07_C
HURSTBOURNE I/I INVESTIGATION & REHABILITATION	SSDP-SSO	47656	S_MI_MF_NB07_S_07_C
HURSTBOURNE I/I INVESTIGATION & REHABILITATION	SSDP-SSO	67535	S_MI_MF_NB07_S_07_C
IDLEWOOD IN-LINE STORAGE	SSDP-SSO	28984	S_CC_CC_70188_M_09A_C



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IDLEWOOD IN-LINE STORAGE	SSDP-SSO	28985	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP-SSO	28998	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP-SSO	63094	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP-SSO	63095	S_CC_CC_70158_M_09A_C
IDLEWOOD IN-LINE STORAGE	SSDP-SSO	70158	S_CC_CC_70158_M_09A_C
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	28173	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	28390	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	28391	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	28392	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	28395	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	28651	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	31733	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	64505	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	IS028-SI	S_JT_JT_NB01_M_01_C_A
JEFFERSONTOWN WQTC ELIMINATION	SSDP-SSO	MSD0255	S_JT_JT_NB01_M_01_C_A
KAVANAUGH RD PS IMPROVEMENTS	SSDP-SSO	MSD1085-PS	S_HC_HC_MSD1085_S_03_A
KLONDIKE INTERCEPTOR	SSDP-SSO	20644	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP-SSO	25676	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP-SSO	26650	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP-SSO	26651	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP-SSO	49513	S_SD_MF_NB04_S_01_B_A
KLONDIKE INTERCEPTOR	SSDP-SSO	66232	S_SD_MF_NB04_S_01_B_A
LAKE FOREST PS SSO INVESTIGATION	SSDP-SSO	MSD1169-LS	S_FF_LF_NB01_S_13_C_A
LANTANA #1 PS I/I INVESTIGATION & REHABILITATION	SSDP-SSO	MSD0101-PS	S_PO_WC_PC05_M_07_C
LANTANA PS ELIMINATION	AM	25484	AMLANTANAPS
LANTANA PS ELIMINATION	AM	93719	AMLANTANAPS
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	19360	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	19369	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	29633	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	29643	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	29648	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	29649	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	31073	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	31074	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	31083	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	31084	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	57874	S_PO_WC_PC08_M_01_C
LEA ANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	61266	S_PO_WC_PC08_M_01_C

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LEANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	79076	S_PO_WC_FC08_M_01_C
LEANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	MSD1010-PS	S_PO_WC_FC08_M_01_C
LEANN WAY SYSTEM IMPROVEMENT	SSDP-SSO	MSD1200-PS	S_PO_WC_FC08_M_01_C
LELAND RD SSO INVESTIGATION	SSDP-SSO	96020	S_OR_MF_NB02_S_13_C
LEVEN PS ELIMINATION	SSDP-SSO	36419	S_PO_WC_FC10_M_01_C
LEVEN PS ELIMINATION	SSDP-SSO	MSD1019-PS	S_PO_WC_FC10_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP-SSO	67997	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP-SSO	67999	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP-SSO	86423	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP-SSO	86424	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP-SSO	89196	S_CC_CC_67997_M_01_C
LITTLE CEDAR CREEK INTERCEPTOR IMPROVEMENTS	SSDP-SSO	89197	S_CC_CC_67997_M_01_C
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO091	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO097	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO106	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO110	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO111	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO113	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO137	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO146	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO148	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO149	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO151	L_SO_MF_092_M_09B_B_D_8
LOGAN & BRECKINRIDGE ST STORAGE BASIN	LTCP-CSO	CSO152	L_SO_MF_092_M_09B_B_D_8
LUCAS LANE PS IN-LINE STORAGE	SSDP-SSO	MSD0199-LS	S_FF_BT_NB01_S_09A_C_A
MEADOW STREAM PS & FM UPGRADE	SSDP-SSO	91087	S_HC_HC_MSD1082_S_09A_C
MEADOW STREAM PS & FM UPGRADE	SSDP-SSO	MSD1082-PS	S_HC_HC_MSD1082_S_09A_C
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	24152-W	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	24472	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	26752	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	41374	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	41416	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	MSD0006-PS	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	MSD0007-PS	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	MSD0010-PS	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	MSD0023-PS	S_OR_MF_NB01_M_01_B-1
MELLWOOD SYSTEM IMPROVEMENTS AND PS ELIMINATIONS 1 - MELLWOOD PS AND FM IMPROVEMENTS	SSDP-SSO	MSD0024-PS	S_OR_MF_NB01_M_01_B-1



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MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	02932	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	02933	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	02935	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	08637	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	08935-SM	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	115183	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	115184	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	115185	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	15194	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	15195	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	17618	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	23211	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	23212	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	24653	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	27005	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	27007	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	27008	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	27012	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	30376	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	40471	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	40471A	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	40471C	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	40559	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	43726	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	45796	S_MISF_MF_NB01_M_01_C_A1-2



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MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	45829	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	45835	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	45900	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47034	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47582	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47583	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47593	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47596	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47603	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	47604	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	48864	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	51160	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	51161	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	51180	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	51221	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	65070	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	72288	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	72289	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	74512	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	74513	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	74520	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	84155	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	90700	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	96672	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	96673	S_MISF_MF_NB01_M_01_C_A1-2



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MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	BU06074039	S_MISF_MF_NB01_M_01_C_A1-2
MIDDLE FORK RELIEF INTERCEPTOR, WET WEATHER STORAGE AND DIVERSION PHASE 2 - UPPER MIDDLE FORK PS DIVERSION	SSDP-SSO	IS021A-SI	S_MISF_MF_NB01_M_01_C_A1-2
MONTICELLO PS ELIMINATION	SSDP-SSO	27969	S_JT_JT_NB04_M_01_A
MONTICELLO PS ELIMINATION	SSDP-SSO	MSD0151-PS	S_JT_JT_NB04_M_01_A
MORRIS FORMAN WQTC HEADWORKS (FORMERLY ALGONQUIN PKWY STORAGE BASIN)	LTCP-CO	CS0211	L_OR_MF_211_M_13_B_A_8
NIGHTINGALE PS REPLACEMENT & STORAGE	LTCP-CO	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-SSO	47250	S_SD_MF_NB03_S_07_C
PORTLAND CSO STORAGE BASIN	LTCP-CO	CS0019	L_OR_MF_019_S_13_B_A_8
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	16455	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	22436	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	40870	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	40871	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	40872	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	40879	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	40880	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	42675	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	42680	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	46621	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	46623	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	46627	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	65606	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	65610	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	65623	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	65633	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	65635	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	89646	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	89791	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0123-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0183-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0186-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0192-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0198-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0291	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD0292	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD1044-PS	S_OR_MF_NB04_M_03_B_B-1
PROSPECT SYSTEM IMPROVEMENTS 1 - WQTC ELIMINATIONS	SSDP-SSO	MSD1063-PS	S_OR_MF_NB04_M_03_B_B-1

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PROSPECT SYSTEM IMPROVEMENTS 3 - ORFM SYSTEM IMPROVEMENTS	SSDP-SSO	117963	S_OR_MF_NB04_M_03_B_B_3
PROSPECT SYSTEM IMPROVEMENTS 3 - ORFM SYSTEM IMPROVEMENTS	SSDP-SSO	117969	S_OR_MF_NB04_M_03_B_B_3
PROSPECT SYSTEM IMPROVEMENTS 3 - ORFM SYSTEM IMPROVEMENTS	SSDP-SSO	89641	S_OR_MF_NB04_M_03_B_B_3
PROSPECT SYSTEM IMPROVEMENTS 3 - ORFM SYSTEM IMPROVEMENTS	SSDP-SSO	89790	S_OR_MF_NB04_M_03_B_B_3
RAINTREE DRIVE AND MARIAN COURT SYSTEM IMPROVEMENTS PHASE 1 - PUMP STATION ELIMINATION	SSDP-SSO	28729	S_JT_JT_NB03_M_01_C_1
RAINTREE DRIVE AND MARIAN COURT SYSTEM IMPROVEMENTS PHASE 1 - PUMP STATION ELIMINATION	SSDP-SSO	MSD0149-PS	S_JT_JT_NB03_M_01_C_1
RIDING RIDGE PS IMPROVEMENTS	SSDP-SSO	MSD1060-LS	S_HC_HH_NB01_S_03_C_A
RUNNING FOX PS ELIMINATION	SSDP-SSO	MSD1080-LS	S_CC_CC_MSD1080_S_01_C
SHAWNEE FPS DWO ELIMINATION	LITCP-DWO	MSD0309-FP	L_OR_MF_189_M_03_A_A
SHIVELY INTERCEPTOR	SSDP-SSO	04498	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	04642	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	81814-W	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	MSD0016-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	MSD0043-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	MSD0044-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	MSD0047-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	MSD0048-PS	S_MC_WC_NB01_M_01_A
SHIVELY INTERCEPTOR	SSDP-SSO	MSD0050-PS	S_MC_WC_NB01_M_01_A
SINKING FORK INTERCEPTOR	ISSDP	21103	SINKING FORK RELIEF SEWER
SINKING FORK INTERCEPTOR	ISSDP	25012	SINKING FORK RELIEF SEWER
SINKING FORK INTERCEPTOR	ISSDP	63319	SINKING FORK RELIEF SEWER
SONNE PS I&I INVESTIGATION & REHABILITATION	SSDP-SSO	MSD0042-PS	S_OR_MF_42007_S_07_C
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	30680	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	30681	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	30701	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	30702	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	30704	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	63779	SOUTHEASTERN DIVERSION STRUCT
SOUTHEASTERN DIVERSION STRUCTURE & INTERCEPTOR	ISSDP	72571-X	SOUTHEASTERN DIVERSION STRUCT
SOUTHERN OUTFALL IN-LINE STORAGE AT 43RD STREET (SOR1) (FORMERLY ALGONQUIN PKWY STORAGE BASIN)	LITCP-CSO	CSO016	L_OR_MF_211_M_13_B_A_8__
SOUTHERN OUTFALL IN-LINE STORAGE AT 43RD STREET (SOR1) (FORMERLY ALGONQUIN PKWY STORAGE BASIN)	LITCP-CSO	CSO210	L_OR_MF_211_M_13_B_A_8__
SOUTHWESTERN PKWY CSO BASIN	LITCP-CSO	CSO104	L_OR_MF_105_M_13_B_A_0
SOUTHWESTERN PKWY CSO BASIN	LITCP-CSO	CSO105	L_OR_MF_105_M_13_B_A_0
SOUTHWESTERN PKWY CSO BASIN	LITCP-CSO	CSO189X	L_OR_MF_105_M_13_B_A_0
ST RENE RD PS IN-LINE STORAGE	SSDP-SSO	94187	S_FF_CH_NB01_S_08A_C_A
SUTHERLAND INTERCEPTOR	SSDP-SSO	16649	S_SD_MF_NB05_M_01_A
WATERWAY PROTECTION TUNNEL	LITCP-CSO	CSO020	MULTIPLE
WATERWAY PROTECTION TUNNEL	LITCP-CSO	CSO023	MULTIPLE



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PROJECT NAME	PROGRAM	ASSET ID	PROJECT ID
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO050	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO051	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO052	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO053	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO054	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO055	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO056	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO082	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO084-M	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO118-M	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO119	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO120	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO121	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO125	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO126	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO127	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO141	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO150	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO153	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO155	MULTIPLE
WATERWAY PROTECTION TUNNEL	LTCP-CSO	CSO166	MULTIPLE
WOODLAND HILLS PS DIVERSION	SSDP-SSO	33003	S_FF_FF_NB01_S_01_C_A
WOODLAND HILLS PS DIVERSION	SSDP-SSO	65516	S_FF_FF_NB01_S_01_C_A
WOODLAND HILLS PS DIVERSION	SSDP-SSO	65531	S_FF_FF_NB01_S_01_C_A

**APPENDIX H**

**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
2022-047	7/2/2022 20:45	7/7/2022 5:45	105:00	0	0	TR05	23	No	Moderate wet weather event concentrated mostly on the Northern area of the collection system. CSO16 occurred due to localized rain event over the Shawnee park area, while 22% of Shawnee basin, 63% of NWI and 63% of T/O storage capacity are used. SED2 is still on degraded mode. Portland and Shawnee are partially on degraded mode. Malfunction in Rain Gauge TR-33 for several hours.
2022-050	7/8/2022 10:35	7/12/2022 4:50	90:15	0	1	TR15	88	No	Moderate wet weather event concentrated mostly on Western and Northern areas of the collection system. Shawnee is still on Manual Operating Mode.
2022-051	7/17/2022 8:45	7/19/2022 20:05	59:20	1	1	TR13	92	No	Moderate wet weather event homogeneously distributed over the collection system. Clifton is on degraded mode, therefore only 24% of its storage capacity is used while the CSO20 is occurred. Shawnee is still on Manual Operating Mode.
2022-052	7/24/2022 23:20	8/1/2022 3:35	172:15	4	4	TR13	302	No	Very large wet weather event homogeneously distributed over the collection system. Shawnee is still on Manual Operating Mode. CSO016 overflow in the downstream of SOBA Basin while only 40% of the Basin capacity is used.
2022-053	8/1/2022 3:35	8/2/2022 17:40	36:05	0	0	TR14	46	No	Small wet weather event heterogeneously distributed over the collection system.
2022-054	8/4/2022 21:45	8/6/2022 12:45	39:00	0	0	TR11	68	No	Moderate wet weather event homogeneously distributed over the collection system. Shawnee is back to GOP Operating Mode. A problem in Csoft configuration caused an overflow in CSO016 while only 8% of the SOBA Basin capacity was used. The problem was resolved on October 6.
2022-055	8/6/2022 12:45	8/7/2022 14:30	25:45	0	0	TR11	9	No	Small wet weather event heterogeneously distributed over the collection system.
2022-057	8/9/2022 21:10	8/11/2022 15:05	41:55	1	2	TR05	127	No	Large wet weather event homogeneously distributed over the collection system except the central area. A problem in Csoft configuration caused an overflow in CSO016 while the SOBA Basin capacity is not completely used. The problem was resolved on October 6.
2022-059	8/21/2022 13:00	8/22/2022 14:45	25:45	0	1	TR11	43	No	Moderate rainfall event distributed mostly on central area of the collection system. Discharge to the Ohio River at the CSO211 during the SOR1 dewatering period.
2022-061	8/29/2022 14:15	8/30/2022 22:05	31:50	1	2	TR14	52	No	Large rainfall event distributed mostly on Southern and Eastern areas of the collection system.
2022-062	9/3/2022 16:50	9/6/2022 1:55	57:05	0	1	TR04	88	No	Large rainfall event heterogeneously distributed on the peripheral parts (West and East) of the collection system.
2022-063	9/6/2022 14:55	9/7/2022 3:05	12:10	0	0	TR04	47	No	Moderate wet weather event concentrated mostly on the western area of the collection system. A problem in Csoft configuration caused an overflow in CSO016 while the SOBA Basin is dewatering and only 53% of its capacity is used. The problem was resolved on October 6.
2022-064	9/10/2022 22:30	9/12/2022 3:15	28:45	0	0	TR12	8	No	Small wet weather event homogeneously distributed over the collection system.
2022-068	10/25/2022 18:25	10/26/2022 9:20	14:55	0	0	TR05	57	No	Small homogeneous wet weather event. The SOBA basin was prevented from filling as it remain in Basin mode filling. The MF WQTC treatment capacity is reduced to 160 MGD.
2022-069	10/30/2022 10:40	10/31/2022 8:15	21:35	0	0	TR11	75	No	Moderate wet weather event concentrated mostly on central parts of the collection system. The rain gauges TR12-NIGHTINGALE PS and TR10-CAMP HORINE(JEFFERSON FOREST) seems to be non-functional. Overflow in CSO16 despite available capacity in NWI and WO. The MF WQTC treatment capacity is reduced to 160 MGD.



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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
2022-070	10/31/2022 19:35	11/1/2022 4:45	9:10	0	0	TR11	28	No	Small wet weather event homogeneously distributed over the Southeastern area of the collection system. The MF WQTC treatment capacity is reduced to 160 MGD.
2022-072	11/11/2022 5:00	11/12/2022 13:10	32:10	0	0	TR14	85	No	Moderate wet weather event concentrated mostly on the Eastern and Western parts of the collection system. Overflow in CSO16 despite available capacity in NW1 and WO. The MF WQTC treatment capacity is reduced to 160 MGD.
2022-076	11/26/2022 20:45	11/27/2022 23:50	27:05	0	0	TR15	13	No	Small rainfall event homogeneously distributed over the collection systems. The MF WQTC treatment capacity is reduced to 160 MGD.
2022-077	11/29/2022 20:25	11/30/2022 10:55	14:30	0	0	TR15	45	No	Small rainfall event concentrated mostly on Eastern parts of the collection system. Buchel Basin is unavailable. The MF WQTC treatment capacity is reduced to 160 MGD.
2022-078	12/2/2022 20:40	12/8/2022 2:00	125:20	0	0	TR04	115	No	Moderate wet weather event concentrated on peripheral parts (mostly Southern parts) of the collection system. Two successive rainfall with the system dewatering partially between the two. Overflow of CSO016 despite the storage availability at Shawnee which is on degraded mode. Clifton, BUBA, BL, Nighthale PS and Basin are also on degraded mode. The MF WQTC treatment capacity is reduced to 160 MGD.
2022-080	12/8/2022 6:05	12/9/2022 2:10	20:05	0	0	TR04	81	No	Small wet weather event homogeneously concentrated over the collection system except for the central part. BUBA is unavailable. The MF WQTC treatment capacity is reduced to 160 MGD.
2022-082	12/14/2022 2:00	12/16/2022 2:55	48:55	1	1	TR14	265	No	Large homogeneous wet weather event. Shawnee is on manual/degraded mode and an overflow caused in CSO016. The MF WQTC treatment capacity is reduced to 160 MGD.
2022-085	12/30/2022 22:25	12/31/2022 18:15	19:50	0	0	TR11	27	No	Small rainfall event homogeneously distributed over the collection system. The MF WQTC treatment capacity is reduced to 160 MGD.
Total									23





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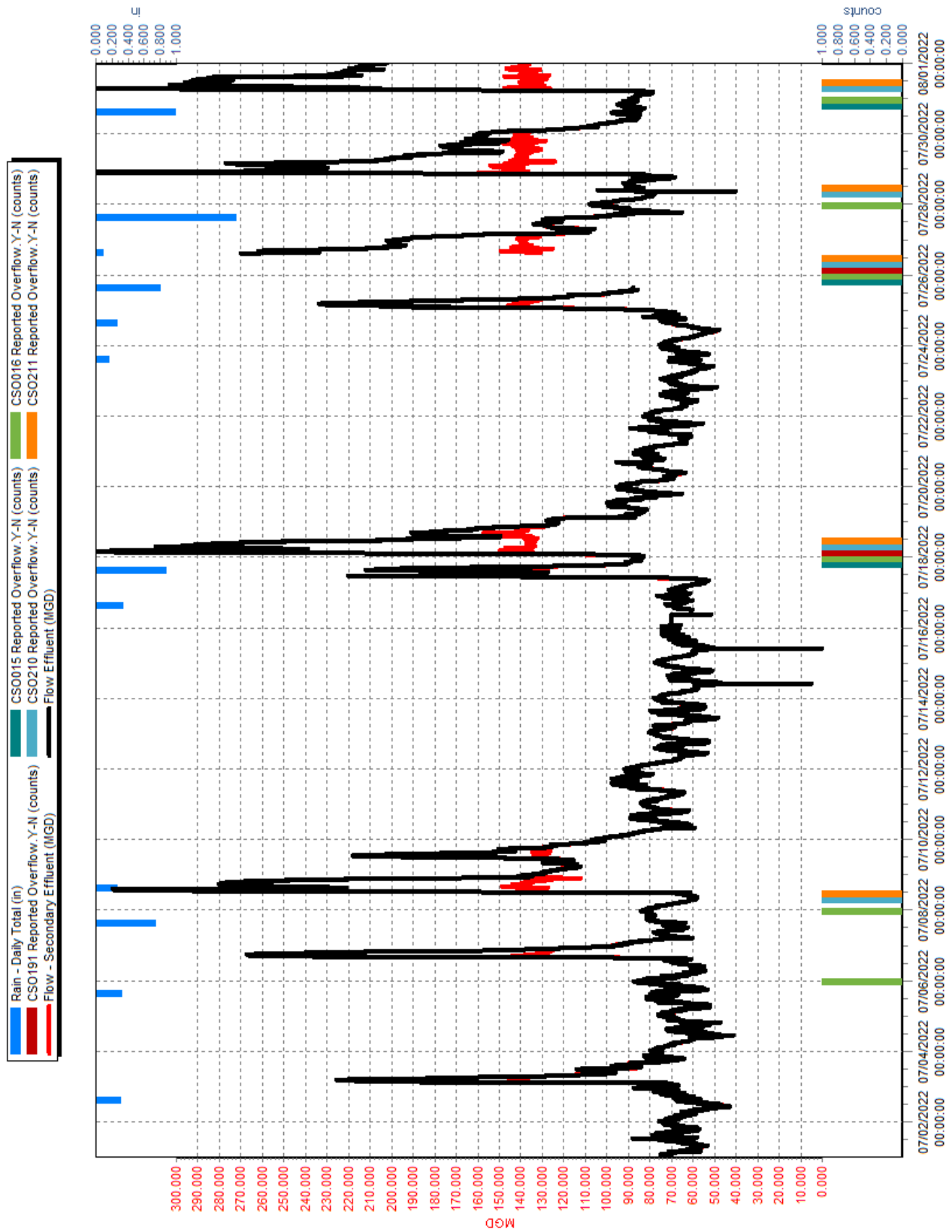
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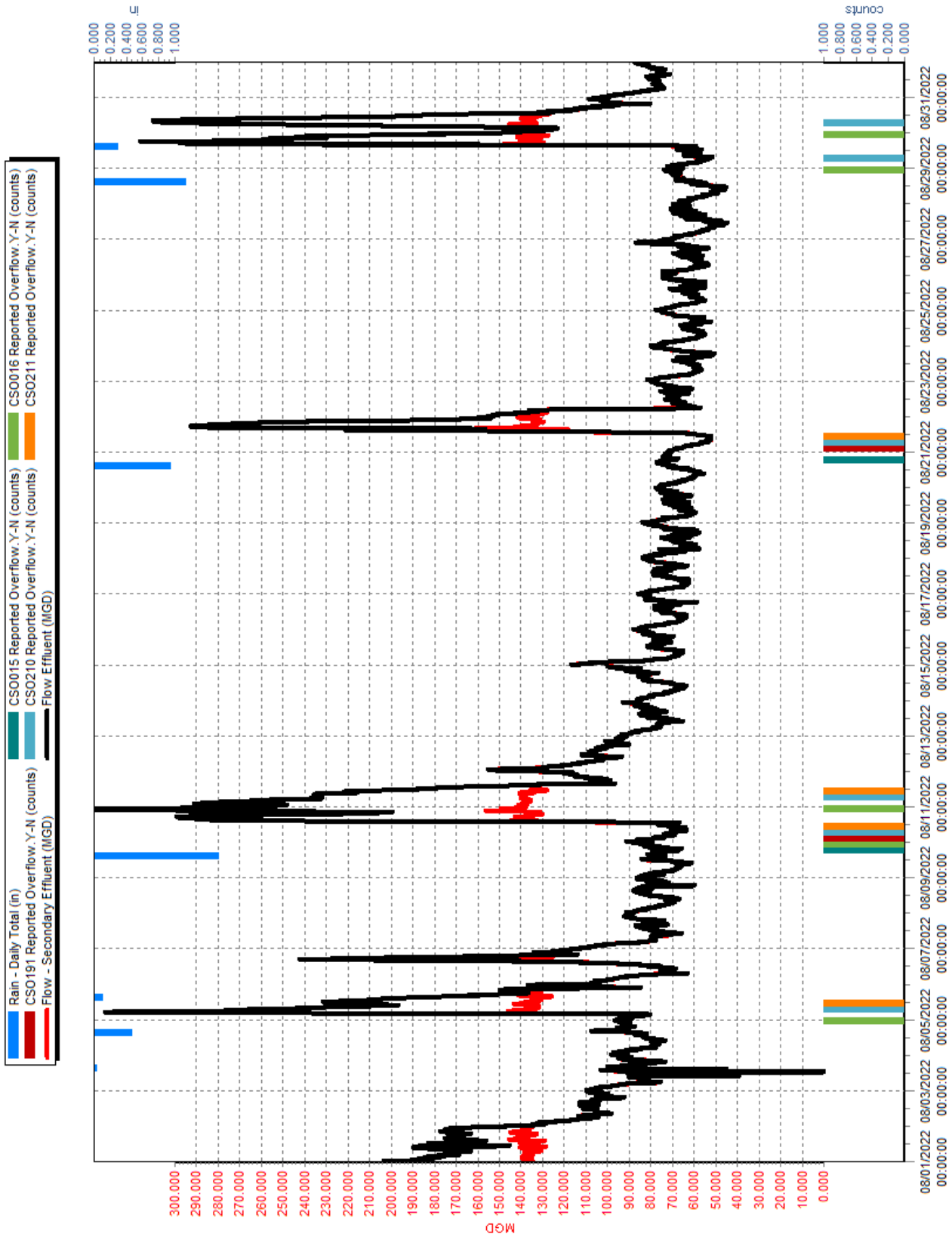
**APPENDIX I**

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

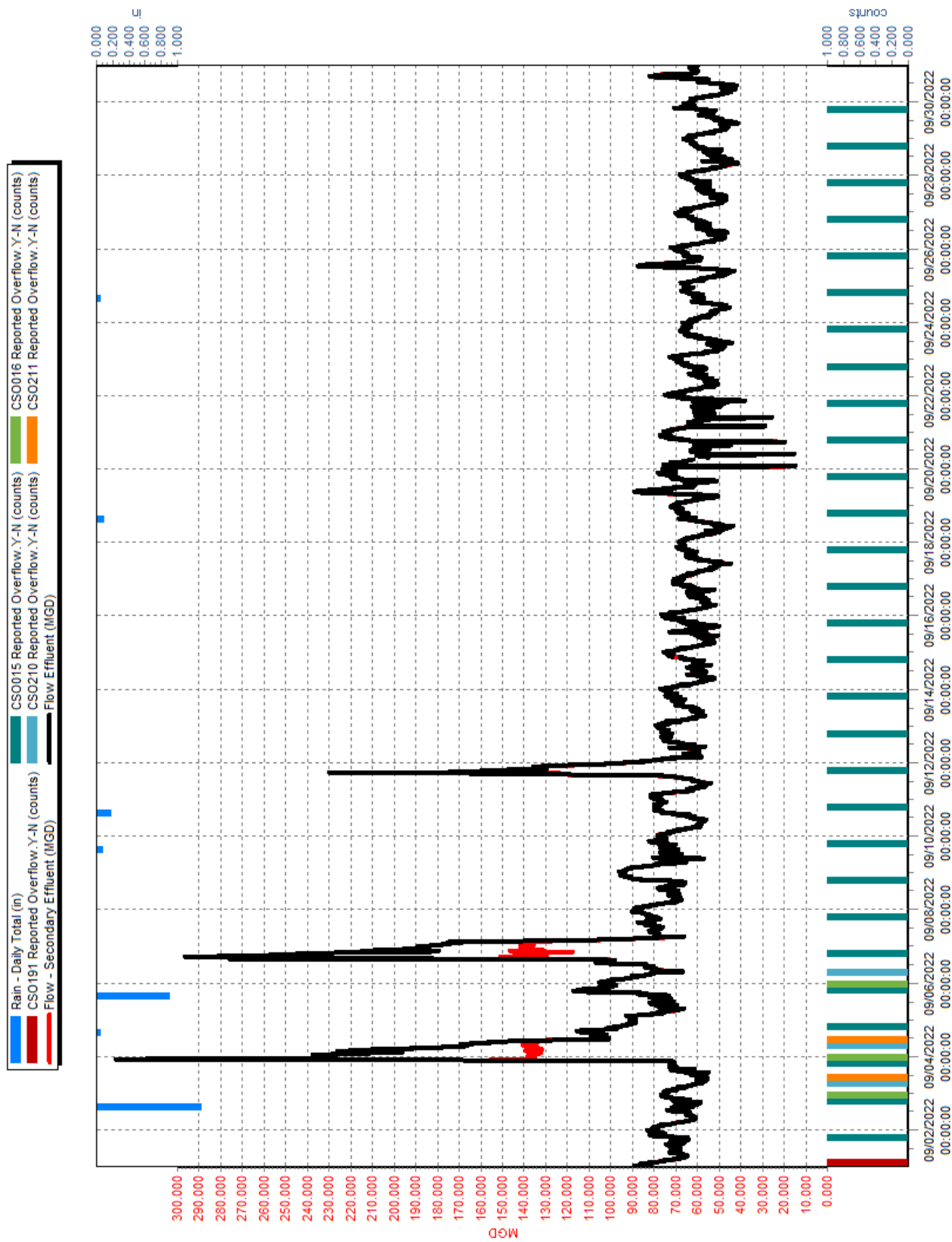
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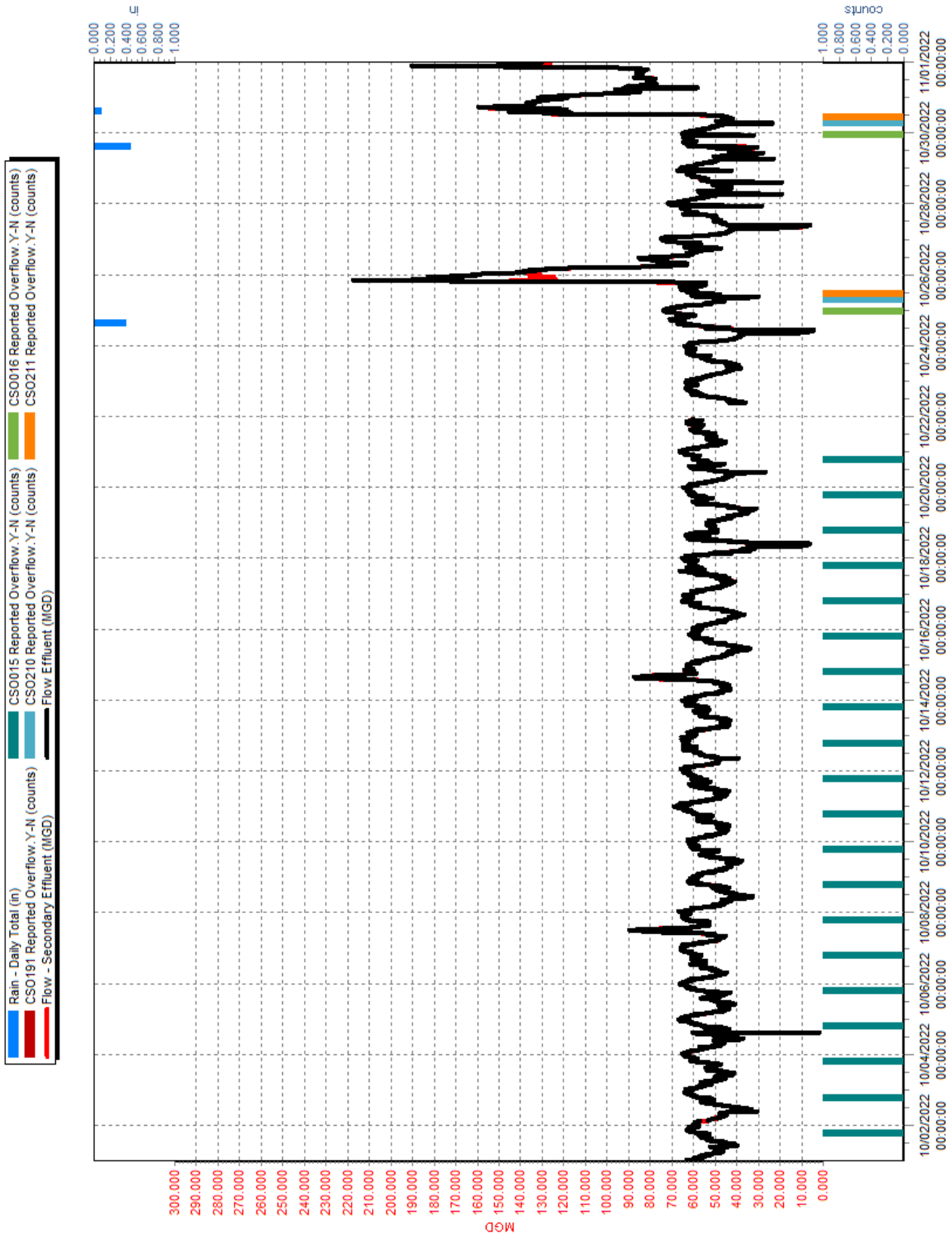
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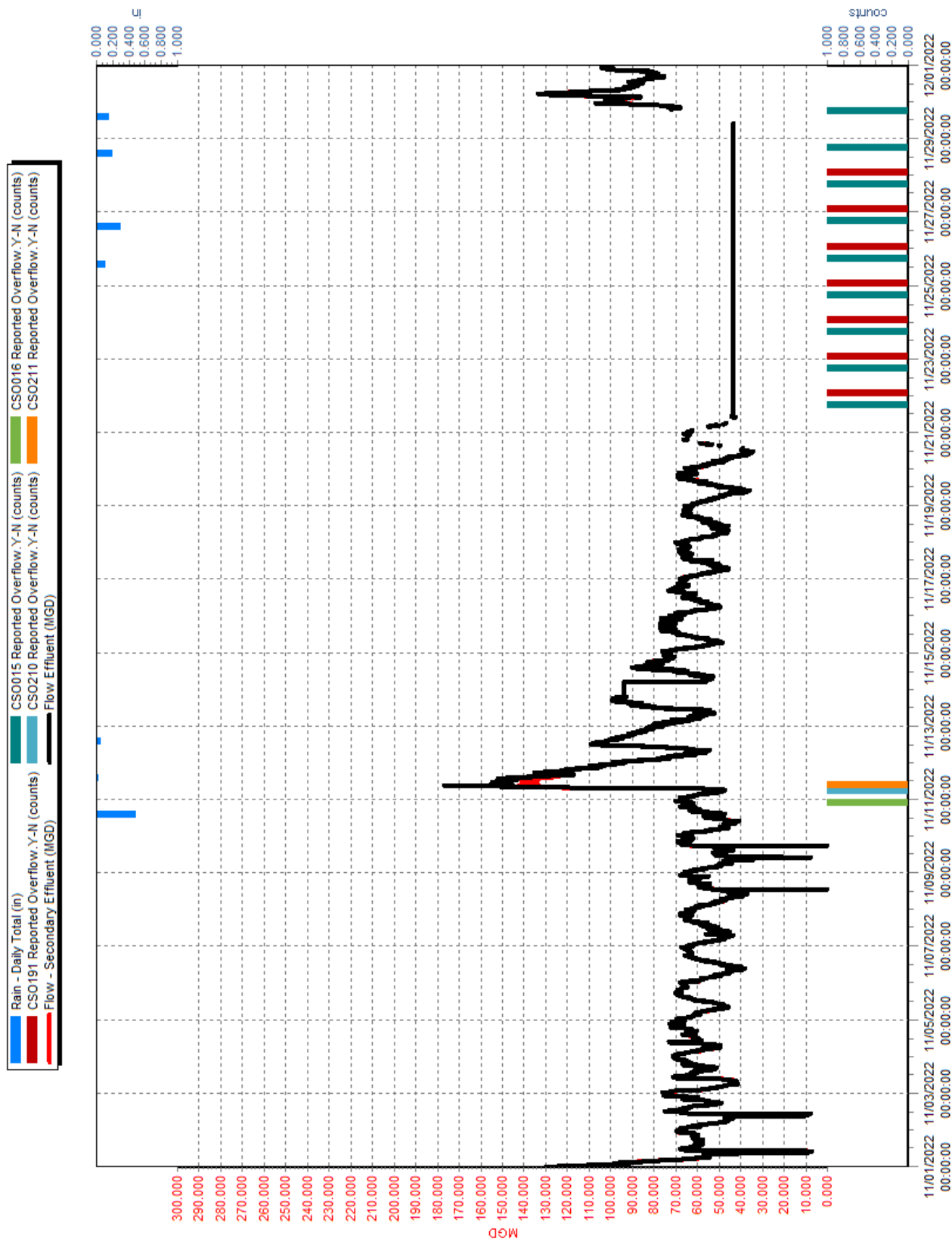


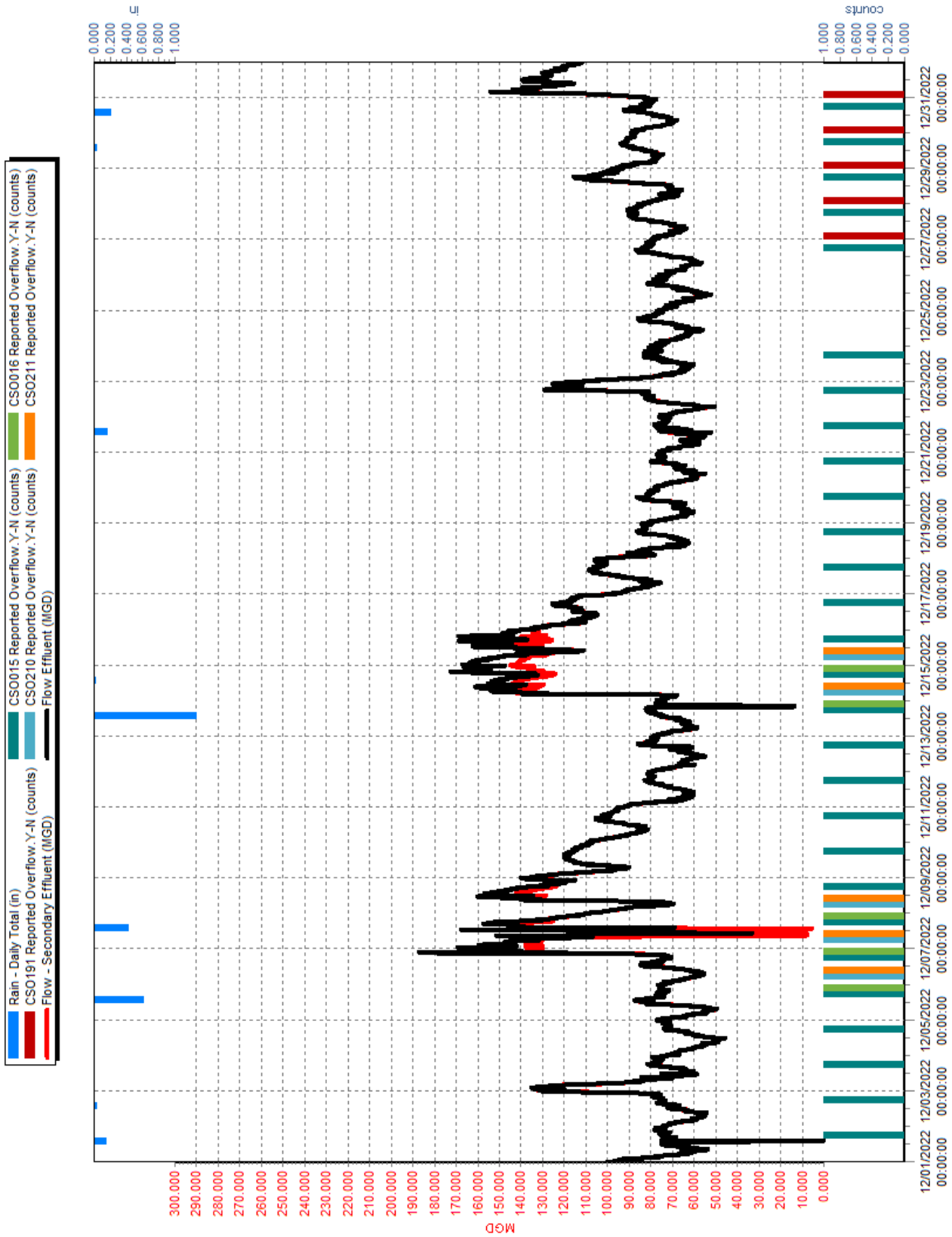
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**APPENDIX J**

**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	SC1082184	MAINTENANCE WORK FY14 JUL-DEC - CEDAR CREEK	SCAPCREDIT		12/31/2013	1,482	689,737
Cedar Creek	145C1000	MAINTENANCE WORK FY13A - CEDAR CREEK	SCAPCREDIT		12/31/2013	2,220	688,255
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	SC101716	CONTRACTED WORK FY17 - CEDAR CREEK	SCAPCREDIT		7/11/2017	309	653,581
Cedar Creek	SC101780	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	Chenoweth 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	LE1049657	Little Spring Farm, Section 4B	LAT EXT	14000	9/12/2019	(30,450)	499,382
Cedar Creek	LE1015579	Glenmary Commons	LAT EXT	8800	9/12/2019	(19,140)	529,832
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 5A FKA 5	LAT EXT	16400	11/3/2021	(35,670)	391,545
Cedar Creek	LE1031168	Wingfield Road Office Building	LAT EXT	400	7/21/2022	(870)	390,675
Cedar Creek							390,675
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

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CREDIT BASIN	APPLICATION	APPLICATION NAME	TYPE	FLOW	RELEASE DATE	APPROVED CREDIT REQUIRED OR FLOW REDUCTION	RUNNING TOTAL
Floyds Fork	315945	BROOKFIELD SEC 3	LAT EXT	12800	10/26/2012	(27,840)	1,017
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	135C1000	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	271,031
Floyds Fork	SC1003809	FY14 BERRY TOWN WQTC III REMEDIATION	SCAPCREDIT		6/30/2015	116,834	274,546
Floyds Fork	LE939198	Speckman Center	LAT EXT	1920	6/30/2015	(4,176)	270,370
Floyds Fork	LE932084	Donan Engineering Co., Inc Main Office	LAT EXT	1335	6/30/2015	(2,904)	157,712
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 Palto Homes	LAT EXT	1200	11/23/2015	(2,610)	264,717
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	Union Woods, Section 2B	LAT EXT	17200	1/4/2017	(37,410)	202,933
Floyds Fork	LE963784	Catalpa Farms Subdivision	LAT EXT	16000	1/6/2017	(34,800)	168,133
Floyds Fork	LE971261	Notling 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	Blanckbaker 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	LE1026269	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	(152,528)	(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	LE1025683	Vinnings at Clalbourne	LAT EXT	69800	12/6/2019	(151,815)	(508,326)



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Floyds Fork							(508,326)
Hite Creek	SC1006307	CONTRACTED WORK FY06 - HITE CREEK	SCAPCREDIT		5/15/2006	656	656
Hite Creek	235561	MAINTENANCE WORK FY06 AUG-FY09 NOV - HITE CREEK	SCAPCREDIT		11/1/2008	6,404	7,060
Hite Creek	362841	MAINTENANCE WORK FY09A - 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	362848	MAINTENANCE WORK FY09B - HITE CREEK	SCAPCREDIT		6/30/2009	7	7,397
Hite Creek	362852	MAINTENANCE WORK FY10A - HITE CREEK	SCAPCREDIT		12/31/2009	10	7,407
Hite Creek	362857	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	362862	MAINTENANCE WORK FY11A - HITE CREEK	SCAPCREDIT		12/31/2010	9	36,185
Hite Creek	362870	MAINTENANCE WORK FY11B - HITE CREEK	SCAPCREDIT		6/30/2011	9	36,194
Hite Creek	SC1011058	FY12 MEADOW STREAM PS AND FM EXPANSION	SCAPCREDIT		9/7/2011	2,304,000	2,340,194
Hite Creek	246638	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 5809 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

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Hite Creek	SC1082536	MAINTENANCE WORK FY18 JUL-DEC-HITE CREEK	SCAPCREDIT		12/30/2017	6,823	2,801,977
Hite Creek	SC1107182	FY18 FLOYDSBURG ROAD PS REHABILITATION	SCAPCREDIT		8/9/2018	7,825	2,809,802
Hite Creek	LE1031180	Norton Commons North Village Phase 6	LAT EXT	26,800	1/7/2019	(58,290)	2,725,412
Hite Creek	LE1042390	Norton Commons North Village Phase 7	LAT EXT	12,000	1/7/2019	(26,100)	2,783,702
Hite Creek	LE1079340	Norton Commons North Village Phase 6A	LAT EXT	6,800	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)	2,709,752
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	LE1086886	Ghasemi/Factory Lane Project	LAT EXT	685	5/29/2019	(1,490)	2,706,522
Hite Creek	LE1103160	Anchorage Plaza II Phase II	LAT EXT	2300	11/18/2019	(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	LE1089366	Norton Commons North Village Phase 10	LAT EXT	29200	6/30/2020	(63,510)	2,459,079
Hite Creek	LE1104374	KEN TOWERY	LAT EXT	400	7/16/2020	(870)	2,458,209
Hite Creek							2,458,209
Jeffersonton	235653	MAINTENANCE WORK FY06 AUG-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	(979)	1,006,984
Jeffersonton	13LE1098	UNIPAK	LAT EXT	720	2/27/2014	(1,566)	1,005,418
Jeffersonton	LE924043	Bluegrass Indoor Carting	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	(4,785)	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	LE948691	Kowaleski Salon	LAT EXT	600	3/15/2016	(1,305)	938,841
Jeffersonton	326360	WATERSON TRAIL CENTER	LAT EXT	2745	5/4/2016	(5,970)	932,871



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Jeffersontown	LE972153	Tova Industries	LAT EXT	400	5/9/2016	(870)	932,001
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 Manor 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	235566	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	15,552	171,344
Middle Fork Beargrass Creek	217235	FY09 SINKING FORK ICA PHASE I REHAB	SCAPCREDIT		3/30/2009	437,967	609,311
Middle Fork Beargrass Creek	235376	FY09 MIDDLE FORK INT REHAB PH1	SCAPCREDIT		5/15/2009	487,744	1,097,055
Middle Fork Beargrass Creek	179246	SHADY GLEN OF LYNDON PERSONAL	LAT EXT	-500	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	359401	CALENDAR 2009 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2009	4,000	1,129,531
Middle Fork Beargrass Creek	SC1011290	MAINTENANCE IWORK FY10A - MIDDLE FORK	SCAPCREDIT		12/31/2009	50	1,125,531
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)	1,121,483
Middle Fork Beargrass Creek	260064	OXMOOR GOLF FRONT 9	LAT EXT	400	4/15/2010	(870)	1,120,613
Middle Fork Beargrass Creek	260065	OXMOOR GOLF BACK 9	LAT EXT	400	4/15/2010	(870)	1,119,743
Middle Fork Beargrass Creek	229634	THE BROOK HOS- DUPONT ADDITION	LAT EXT	1763	4/27/2010	(3,835)	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	255793	HERR LANE APARTMENTS - 4 PLEX	LAT EXT	1200	7/14/2010	(2,610)	1,097,339
Middle Fork Beargrass Creek	255792	HERR LANE APARTMENTS - 8 PLEX	LAT EXT	2400	7/14/2010	(5,220)	1,099,949
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	SC1011293	MAINTENANCE WORK FY11A - MIDDLE FORK	SCAPCREDIT		12/31/2010	1,205	1,104,532
Middle Fork Beargrass Creek	359402	CALENDAR 2010 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2010	8,000	1,103,327
Middle Fork Beargrass Creek	265637	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



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Middle Fork Beargrass Creek	291263	BROWNS LANE BUILDING	LAT EXT	400	4/14/2011	(870)	1,096,087
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 NAEEL - MCMAHAN CENTER	LAT EXT	3100	10/31/2011	(6,743)	1,095,276
Middle Fork Beargrass Creek	314591	CHOCOLATE MARTINI BARREST	LAT EXT	3275	11/29/2011	(7,123)	1,088,153
Middle Fork Beargrass Creek	320983	FY12 HURST BOURNE III INVESTIGATION	SCAPCREDIT		12/27/2011	1,408,279	2,496,432
Middle Fork Beargrass Creek	SC1011295	MAINTENANCE WORK FY12A - MIDDLE FORK	SCAPCREDIT		12/31/2011	919	2,513,351
Middle Fork Beargrass Creek	359335	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	16,000	2,512,432
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	145C1003	MAINTENANCE WORK FY13A - MIDDLE FORK	SCAPCREDIT		12/31/2012	3,309	2,536,761
Middle Fork Beargrass Creek	359336	CALENDAR 2012 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2012	92,000	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



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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	319292	WATERMARK ON HURSTBOURNE	LATEX	71600	10/22/2013	(155,730)	2,436,832
Middle Fork Beargrass Creek	331542	DENTAL/MEDICAL OFFICE BLDG	LATEX	400	10/28/2013	(870)	2,435,962
Middle Fork Beargrass Creek	13LE1144	SINGLE FAMILY 1329 ETAWAH AVE	LATEX	400	11/5/2013	(870)	2,434,222
Middle Fork Beargrass Creek	13LE1128	SINGLE FAMILY HOME 1327 ETAWAH AVE	LATEX	400	11/5/2013	(870)	2,435,092
Middle Fork Beargrass Creek	13LE1165	SINGLE FAMILY 8504 LORE LANE	LATEX	400	11/25/2013	(870)	2,433,352
Middle Fork Beargrass Creek	13LE1146	CITY OF ST MATTHEWS COMMUNITY CTR PARK RESTROOM	LATEX	1500	11/28/2013	(3,263)	2,430,089
Middle Fork Beargrass Creek	13LE1099	NICKLIES - ST MATTHEWS	LATEX	1920	12/11/2013	(4,176)	2,425,913
Middle Fork Beargrass Creek	353963	DORSEY COMMONS TRACTS 1, 2, 3	LATEX	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	LATEX	766	12/31/2013	(1,666)	2,511,167
Middle Fork Beargrass Creek	13LE1117	THE VININGS	LATEX	850	4/10/2014	(1,849)	2,509,318
Middle Fork Beargrass Creek	14LE1021	KODA KENTUCKY ORGAN DONOR AFFILIATES	LATEX	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	LATEX	400	6/30/2014	(870)	2,507,578
Middle Fork Beargrass Creek	13LE1163	FIRSTWATCH RESTAURANT	LATEX	925	7/7/2014	(2,012)	2,509,970
Middle Fork Beargrass Creek	14LE1114	Madison Station	LATEX	1640	7/17/2014	(3,567)	2,506,403
Middle Fork Beargrass Creek	356879	MARYHURST CAMPUS ADDITION	LATEX	1800	8/1/2014	(3,915)	2,502,488
Middle Fork Beargrass Creek	14LE1040	SFU-206 Wood Road	LATEX	400	8/18/2014	(870)	2,501,618
Middle Fork Beargrass Creek	354880	ADULT DAY CARE	LATEX	630	8/19/2014	(1,370)	2,500,248
Middle Fork Beargrass Creek	14LE1081	Woodlawn Center - Lot 2	LATEX	540	9/8/2014	(1,175)	2,499,073
Middle Fork Beargrass Creek	LE921312	Oxmoor Ford Car Wash	LATEX	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	14LE1097	TOWNPLACE SUITES & HAMPTON INN	LATEX	15700	1/29/2015	(34,148)	2,463,108
Middle Fork Beargrass Creek	SC1082501	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	LATEX	400	2/25/2015	(870)	2,641,200
Middle Fork Beargrass Creek	LE924108	City of Middletown City Hall	LATEX	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	2,642,028
Middle Fork Beargrass Creek	LE943174	Single Family - 11707 Hazelwood Road	LATEX	400	6/30/2015	(870)	2,641,158
Middle Fork Beargrass Creek	LE943173	Single Family - 11707 Hazelwood Road	LATEX	400	6/30/2015	(870)	2,639,460
Middle Fork Beargrass Creek	LE927810	The Vinings Apartments	LATEX	38100	10/2/2015	(82,868)	2,556,290
Middle Fork Beargrass Creek	LE940742	LOUVINO	LATEX	1930	10/5/2015	(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	LE9171036	Robison Park Splash Pad Bathroom	LATEX	400	2/4/2016	(870)	2,568,438
Middle Fork Beargrass Creek	LE969593	First Watch	LATEX	760	2/22/2016	(1,653)	2,566,785
Middle Fork Beargrass Creek	14LE1026	HIGHLANDS LATIN SCHOOL GYM ADDITION	LATEX	400	4/18/2016	(870)	2,565,915
Middle Fork Beargrass Creek	LE982217	Drooping Bird #12	LATEX	1600	5/9/2016	(3,480)	2,562,435

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Middle Fork Beargrass Creek	LE939199	Westport Road Apartments	LAT EXT	62800	6/8/2016	(1,36,590)	2,425,845
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	SC1006387	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	LE986129	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	2,338,758
Middle Fork Beargrass Creek	SC1107188	CONTRACTED WORK FY17 - MIDDLE FORK	SCAPCREDIT		6/30/2017	51,809	2,334,959
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	(15,497)	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 11)	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	Morat Avenue Apartments	LAT EXT	62250	7/26/2019	(1,35,394)	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 - Breckinridge 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



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Middle Fork Beargrass Creek	LE1056406	Stewart Condos	LAT EXT	4500	12/21/2019	(9,788)	2,042,529
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	Breckinridge 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	LE1088358	Golden Reliever 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	LE1095657	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	12/21/2021	(3,034)	1,815,716
Middle Fork Beargrass Creek	LE1106661	Walgreens	LAT EXT	0	3/15/2022	-	1,815,716
Middle Fork Beargrass Creek	LE1104269	OXMOOR CENTER RESTAURANT OUTPARCEL #1	LAT EXT	12250	11/10/2022	(26,644)	1,789,072
Middle Fork Beargrass Creek							1,789,072
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 FY08 AUG-FY09 NOV - MILL CREEK	SCAPCREDIT		11/1/2008	51,530	87,530
Mill Creek	362642	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	362649	MAINTENANCE WORK FY08B - 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	253586	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	(4,568)	154,702
Mill Creek	362658	MAINTENANCE WORK FY10B - MILL CREEK	SCAPCREDIT		6/30/2010	6,216	160,918
Mill Creek	259408	FAMILY DOLLAR 51 05 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	359325	CALENDAR 2010 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2010	8,000	161,088
Mill Creek	359384	CALENDAR 2010 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2010	4,000	179,833

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Mill Creek	362664	MAINTENANCE WORK FY11A - MILL CREEK	SCAPCREDIT		12/31/2010	22,745	175,833
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
Mill Creek	299399	FAMILY DOLLAR - GREENWOOD RD	LAT EXT	800	10/4/2011	(1,740)	318,638
Mill Creek	308018	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	282545	DIXIE MANOR SHOPPING CENTER	LAT EXT	965	5/21/2012	(2,089)	329,845
Mill Creek	300374	FORT KNOX FEDERAL CREDIT UNION	LAT EXT	400	6/26/2012	(870)	328,975
Mill Creek	362680	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	231800	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	362685	MAINTENANCE WORK FY13A - MILL CREEK	SCAPCREDIT		12/31/2012	22,966	519,929
Mill Creek	359386	CALENDAR 2012 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2012	4,000	496,933
Mill Creek	359327	CALENDAR 2012 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2012	148,000	482,933
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 Cane's - 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



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Mill Creek	SC1082563	MAINTENANCE WORK FY15 JUL-DEC-MILL CREEK	SCAPCREDIT		12/30/2014	4,491	455,723
Mill Creek	SC1065536	FY13 ROSA TERRACE II 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	617,219
Mill Creek	LE941671	Key Oil	LAT EXT	400	6/30/2015	(870)	616,349
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	LE967622	1719 Leroy Ave. Town Homes	LAT EXT	4200	5/9/2016	(9,135)	600,730
Mill Creek	LE953021	Thorntons - 4136 Cane Run Road	LAT EXT	1000	5/9/2016	(2,175)	598,555
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	SC107184	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 WORK FY18 JUL-DEC-MILL CREEK	SCAPCREDIT		12/30/2017	27,283	596,985
Mill Creek	LE986760	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	LE995375	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	359339	CALENDAR 2009 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2009	4,000	154,979
Northern Ditch	SC1011340	MAINTENANCE WORK FY10A - NORTHERN DITCH	SCAPCREDIT		12/31/2009	1,177	150,979

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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
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 CEN	LAT EXT	400	11/11/2011	(870)	156,120
Northern Ditch	359405	CALENDAR 2011 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2011	12,000	193,031
Northern Ditch	SC1011346	MAINTENANCE WORK FY12A - NORTHERN DITCH	SCAPCREDIT		12/31/2011	911	181,031
Northern Ditch	359341	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	24,000	180,120
Northern Ditch	315723	JCS 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	7,893	187,004
Northern Ditch	312659	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)	222,730
Northern Ditch	14LE1136	Single Family - 5220 Petersburg Road	LAT EXT	400	12/29/2014	(870)	221,860
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	LE947318	Heimbrock II	LAT EXT	400	8/14/2015	(870)	224,825
Northern Ditch	LE947316	Heimbrock I	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	High 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



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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
Northern Ditch	LE1032761	TRACKSIDE at Churchhill Downs	LAT EXT	13400	10/22/2018	(29,145)	178,481
Northern Ditch	SC1107188	CONTRACTED WORK FY19 - NORTHERN DITCH	SCAPCREDIT		6/18/2019	14,321	192,802
Northern Ditch							192,802
Ohio River FM	359344	CALENDAR 2007 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2007	4,000	60,000
Ohio River FM	359433	CALENDAR 2007 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2007	56,000	56,000
Ohio River FM	235572	MAINTENANCE WORK FY06 AUG-FY09 NOV - ORFM	SCAPCREDIT		11/1/2008	19,826	79,826
Ohio River FM	362643	MAINTENANCE WORK FY08A - ORFM	SCAPCREDIT		12/31/2008	2	79,828
Ohio River FM	362650	MAINTENANCE WORK FY08B - ORFM	SCAPCREDIT		6/30/2009	3,835	83,663
Ohio River FM	362654	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	362660	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	362665	MAINTENANCE WORK FY11A - ORFM	SCAPCREDIT		12/31/2010	181	57,492
Ohio River FM	362672	MAINTENANCE WORK FY11B - ORFM	SCAPCREDIT		6/30/2011	4,139	61,631
Ohio River FM	280337	SPRINGHURST TOWNE CTR LOT C	LAT EXT	400	9/20/2011	(870)	60,761
Ohio River FM	320920	FY11 SHADOW WOOD III 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	359434	CALENDAR 2011 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2011	16,000	112,448
Ohio River FM	362877	MAINTENANCE WORK FY12A - ORFM	SCAPCREDIT		12/31/2011	7,268	96,448
Ohio River FM	359345	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	16,000	89,180
Ohio River FM	320921	FY12 DERINGTON COURT III 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	185,978
Ohio River FM	362681	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	359346	CALENDAR 2012 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2012	24,000	314,419
Ohio River FM	363235	FY13 MUDDY FORK MH REHAB	SCAPCREDIT		12/31/2012	41,653	290,419
Ohio River FM	362686	MAINTENANCE WORK FY13A - ORFM	SCAPCREDIT		12/31/2012	1,161	248,766



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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
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 3830 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	352060	DRURY INN	LAT EXT	11508	5/13/2014	(25,090)	250,710
Ohio River FM	225863	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	1,283	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	SC883704	FY13 PROSPECT I&I REHABILITATION - PHASE IA	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	LE938166	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 - 10600 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	SC1082588	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 IB	SCAPCREDIT		10/6/2016	199,036	1,484,975
Ohio River FM	LE929204	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	SC107187	CONTRACTED WORK FY18 - ORFM	SCAPCREDIT		6/20/2018	656	1,462,316
Ohio River FM	SC107194	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



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Ohio River FM	LE971285	Cityscape - 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
Ohio River FM							1,332,298
Pond Creek	235574	MAINTENANCE WORK FY06 AUG-FY09 NOV - POND CREEK	SCAPCREDIT		11/1/2008	71,782	71,782
Pond Creek	359438	CALENDAR 2008 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2008	4,000	81,685
Pond Creek	359347	CALENDAR 2008 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2008	4,000	77,685
Pond Creek	SC1011298	MAINTENANCE WORK FY09A - POND CREEK	SCAPCREDIT		12/31/2008	1,913	73,685
Pond Creek	SC1011299	MAINTENANCE WORK FY09B - 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	CALENDAR 2009 DOWNSPOUT CREDIT	LAT EXT	800	2/17/2010	(1,740)	124,695
Pond Creek	219734	BANNON CROSSINGS SECTION 3A-1	LAT EXT	900	3/26/2010	(1,958)	122,737
Pond Creek	281115	DSL LIFE LONG LEARNING CENTER	LAT EXT	400	4/27/2010	(870)	121,867
Pond Creek	SC1011307	EMERGENCY RESTORATION	SCAPCREDIT		6/30/2010	11,060	132,927
Pond Creek	276977	MAINTENANCE WORK FY10B - POND CREEK	LAT EXT	400	10/13/2010	(870)	132,057
Pond Creek	266833	DADISMAN BUILDERS-POPLAR TREE	LAT EXT	400	12/1/2010	(870)	131,187
Pond Creek	280751	THORNTONS @ PRESTON HWY	LAT EXT	4400	12/29/2010	(9,570)	121,617
Pond Creek	SC1011308	NOTTINGTON HILLS SEC 1	SCAPCREDIT		12/31/2010	19,773	153,390
Pond Creek	359350	MAINTENANCE WORK FY11A - POND CREEK	SCAPCREDIT		12/31/2010	12,000	133,617
Pond Creek	187739	CALENDAR 2010 SUMP PUMP CREDIT	LAT EXT	4300	1/13/2011	(9,353)	144,037
Pond Creek	277777	GLENGARRY INDUSTRIAL PARK	LAT EXT	2960	3/21/2011	(6,438)	137,599
Pond Creek	SC1011309	TIRE DISCOUNTERS - BOERSTE WAY	SCAPCREDIT		6/30/2011	10,562	148,161
Pond Creek	304408	MAINTENANCE WORK FY11B - POND CREEK	LAT EXT	2250	9/14/2011	(4,894)	143,267
Pond Creek	320918	UPS SUPPLY CHAIN SOLUTIONS #7	SCAPCREDIT		9/27/2011	106,700	249,967
Pond Creek	313444	FY12 EDESEL III REHABILITATION	LAT EXT	1600	11/4/2011	(3,480)	246,487
Pond Creek	312391	PLANET FITNESS - JEFF BLVD	LAT EXT	4840	11/29/2011	(10,527)	235,960
Pond Creek	320919	LONGHORN STEAKHOUSE RESTAURANT	SCAPCREDIT		12/29/2011	5,000	240,960
Pond Creek	SC1011310	FY12 LANTANA III REHABILITATION	SCAPCREDIT		12/31/2011	5,380	266,340
Pond Creek	359351	MAINTENANCE WORK FY12A - POND CREEK	SCAPCREDIT		12/31/2011	20,000	260,960
Pond Creek	310845	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	20,000	280,960
Pond Creek	255044	ZAXBY'S RESTAURANT	LAT EXT	3750	2/28/2012	(8,156)	258,184
Pond Creek	312814	ISA-RECYCLING CENTER	LAT EXT	400	3/13/2012	(870)	257,314
Pond Creek	324554	MILLER TRANSPORTATION	LAT EXT	1800	3/19/2012	(3,915)	253,399
Pond Creek	234102	NORTONS TEMPORARY OFFICE	LAT EXT	900	4/16/2012	(1,958)	251,441
Pond Creek	322367	ETHOS AT VALLEY FARM SR LIVING	LAT EXT	7050	6/19/2012	(15,334)	236,107
Pond Creek		SHEPHERDS CARE MEMORY HOME	LAT EXT	2000	6/21/2012	(4,350)	231,757

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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
Pond Creek	279860	BANION 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	329624	COPART	LAT EXT	400	2/20/2013	(870)	202,849
Pond Creek	320824	FY12 LEANN WAY INTERCEPTOR I&I RE	SCAPCREDIT		4/8/2013	1,195,676	1,398,525
Pond Creek	348982	SOUTHGATE BUSINESS CTR RETAIL	LAT EXT	2060	4/15/2013	(4,481)	1,394,044
Pond Creek	346082	ZAXBYS	LAT EXT	2065	5/2/2013	(4,491)	1,389,553
Pond Creek	SC1082593	MAINTENANCE WORK FY13 JAN-JUN-POND CREEK	SCAPCREDIT		6/30/2013	41,995	1,431,548
Pond Creek	335385	HARRISON LOW PRESSURE S/S	LAT EXT	1600	7/2/2013	(3,480)	1,428,068
Pond Creek	SC1005534	FY13 PICADILLY I/I REHABILITATION	SCAPCREDIT		7/12/2013	187,564	1,615,632
Pond Creek	320940	4 RESIDENCE SFU 7821 MANSLUK	LAT EXT	400	8/16/2013	(870)	1,614,762
Pond Creek	SC1005538	CONTRACTED WORK FY13 - POND CREEK	SCAPCREDIT		8/27/2013	18,968	1,633,720
Pond Creek	361336	RENAISSANCE SOUTH BUSINESS	LAT EXT	540	9/6/2013	(1,175)	1,632,545
Pond Creek	324886	PNC BANK	LAT EXT	400	9/6/2013	(870)	1,631,675
Pond Creek	13LE1083	SINGLE FAMILY HOME 5402 (H) E MANSLUK RD	LAT EXT	400	9/26/2013	(870)	1,630,805
Pond Creek	331546	BLAIR JEFFERSON BLVD	LAT EXT	3500	10/7/2013	(7,613)	1,623,192
Pond Creek	SC1006319	FY13 FEGENBUSH I/I REHABILITATION	SCAPCREDIT		11/12/2013	226,201	1,849,393
Pond Creek	353125	PEGASUS TRANSPORTATION	LAT EXT	250	12/9/2013	(644)	1,848,849
Pond Creek	308206	APPLGATE FARMS	LAT EXT	57200	12/10/2013	(124,410)	1,676,154
Pond Creek	341439	PRESTON GARDENS APTS	LAT EXT	22200	12/10/2013	(46,285)	1,800,564
Pond Creek	SC1082594	MAINTENANCE WORK FY14 JUL-DEC-POND CREEK	SCAPCREDIT		12/30/2013	19,491	1,895,645
Pond Creek	13LE1179	TIMBERBEND SUBDIVISION SEC 5B	LAT EXT	6400	2/14/2014	(13,920)	1,881,725
Pond Creek	13LE1035	RENAISSANCE SOUTH BUSINESS PARK TRACT 4	LAT EXT	5415	4/10/2014	(11,778)	1,669,947
Pond Creek	13LE1115	VERIZON-OUTER LOOP	LAT EXT	400	4/22/2014	(870)	1,669,077
Pond Creek	348014	ASHTON PARK TOWN HOMES	LAT EXT	9000	4/24/2014	(19,575)	1,649,502
Pond Creek	280180	LOUISVILLE INDUSTRIAL CTR F	LAT EXT	2480	5/16/2014	(5,394)	1,644,108
Pond Creek	14LE1085	Williams Properties - Self Storage Facility	LAT EXT	400	5/28/2014	(870)	1,643,238
Pond Creek	13LE1034	6300 GEIL LANE WAREHOUSE	LAT EXT	720	6/9/2014	(1,566)	1,641,672
Pond Creek	14LE1052	Stor-All Fairdale	LAT EXT	400	6/12/2014	(870)	1,640,802
Pond Creek	SC1082595	MAINTENANCE WORK FY14 JAN-JUN-POND CREEK	SCAPCREDIT		6/30/2014	14,457	1,655,259
Pond Creek	284215	HURSTBOURNE POINTE APTS	LAT EXT	9600	7/17/2014	(20,880)	1,634,379



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Pond Creek	344230	AUSTIN PARK APARTMENTS PH6	LAT EXT	27600	8/25/2014	(60,030)	1,574,349
Pond Creek	14LE1177	Valley Farm Subd.	LAT EXT	0	8/29/2014	-	1,574,349
Pond Creek	13LE1105	JEFFERSON COMMONS	LAT EXT	17075	11/13/2014	(37,138)	1,537,211
Pond Creek	SC1005323	FY13 FERN CREEK III REHABILITATION	SCAPCREDIT		11/18/2014	551,108	2,088,319
Pond Creek	SC1082596	MAINTENANCE WORK FY15 JUL-DEC-POND CREEK	SCAPCREDIT		12/30/2014	26,095	2,114,414
Pond Creek	13LE1017	APEX ON PRESTON APT HOMES(Formerly CITYSCAPE APTS	LAT EXT	84400	1/13/2015	(183,570)	1,930,844
Pond Creek	14LE1145	Murphy USA - Outer Loop	LAT EXT	2000	2/6/2015	(4,350)	1,926,494
Pond Creek	SC1006541	FY13 STONY BROOK III REHABILITATION	SCAPCREDIT		3/10/2015	345,397	2,271,891
Pond Creek	SC995942	FY13 CAVENAVE II REMEDIATION	SCAPCREDIT		3/11/2015	235,645	2,497,536
Pond Creek	354209	COOPER FARMS SEC 11A	LAT EXT	13200	4/29/2015	(28,710)	2,441,856
Pond Creek	354207	COOPER FARMS SEC 11B	LAT EXT	12400	4/29/2015	(26,970)	2,470,566
Pond Creek	LE939897	Thomtons - 8405 National Turnpike	LAT EXT	1000	5/14/2015	(2,175)	2,439,681
Pond Creek	SC1082597	MAINTENANCE WORK FY15 JAN-JUN-POND CREEK	SCAPCREDIT		6/30/2015	10,279	2,449,960
Pond Creek	LE946692	Jims Express Wash	LAT EXT	10500	7/28/2015	(22,838)	2,427,122
Pond Creek	LE951121	Algeier Site	LAT EXT	400	8/7/2015	(870)	2,426,252
Pond Creek	13LE1086	WOODS OF PENN RUN OFFSITE SS	LAT EXT	1000	8/25/2015	(2,175)	2,424,077
Pond Creek	LE950066	Challenger Lifts New Assembly	LAT EXT	1010	10/1/2015	(2,197)	2,421,880
Pond Creek	13LE1140	JEFFERSON POST APARTMENTS	LAT EXT	28800	10/2/2015	(62,640)	2,359,240
Pond Creek	LE950068	Single Family Home - 1707 Greyling Drive	LAT EXT	400	10/6/2015	(870)	2,357,500
Pond Creek	LE950067	Single Family Home - 1801 Greyling Drive	LAT EXT	400	10/6/2015	(870)	2,356,370
Pond Creek	SC1082598	MAINTENANCE WORK FY16 JUL-DEC-POND CREEK	SCAPCREDIT		12/30/2015	13,994	2,365,404
Pond Creek	14LE1116	CATALPA SPRINGS	LAT EXT	2800	12/30/2015	(6,090)	2,351,410
Pond Creek	13LE1056	MORNING POINTE AT HURSTBOURNE	LAT EXT	13000	2/4/2016	(28,275)	2,337,129
Pond Creek	368366	WOODS OF PENN RUN Section 1	LAT EXT	18800	2/12/2016	(40,890)	2,296,239
Pond Creek	LE971260	Louisville Free Public Library South Central	LAT EXT	2325	2/22/2016	(5,057)	2,291,182
Pond Creek	LE947322	Renaissance South Business Park Tract 5B	LAT EXT	10140	3/14/2016	(22,065)	2,269,127
Pond Creek	LE971269	Renaissance South Business Park, Tract 5	LAT EXT	9336	3/22/2016	(20,306)	2,248,821
Pond Creek	SC1003699	CONTRACTED WORK FY16 - POND CREEK	SCAPCREDIT		5/17/2016	36,063	2,284,884
Pond Creek	LE936598	Jefferson Commerce Center Tract 1A	LAT EXT	5250	6/6/2016	(11,419)	2,273,465
Pond Creek	LE918484	AUSTIN PARK SS PHASE 8	LAT EXT	16800	6/21/2016	(36,540)	2,179,505
Pond Creek	14LE1170	Austin Park Phase 7 & 8	LAT EXT	26400	6/21/2016	(57,420)	2,216,045
Pond Creek	SC1082599	MAINTENANCE WORK FY16 JAN-JUN-POND CREEK	SCAPCREDIT		6/30/2016	12,650	2,192,155
Pond Creek	SC1003087	FY14 HILLRIDGE III REMEDIATION	SCAPCREDIT		8/5/2016	308,184	2,500,339
Pond Creek	SC939830	FY15 LEA ANN WAY WEST (LAWW) III REHABILITATION	SCAPCREDIT		8/20/2016	538,285	3,038,624
Pond Creek	SC1003292	FY14 LEA ANN WAY WEST (LAWW) QUAD3 III REMEDIATION	SCAPCREDIT		8/31/2016	311,526	3,350,150
Pond Creek	SC1006197	CONTRACTED WORK FY15 - POND CREEK	SCAPCREDIT		10/24/2016	310	3,350,460
Pond Creek	SC1006182	CONTRACTED WORK FY14 - POND CREEK	SCAPCREDIT		10/26/2016	8,390	3,358,850

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Pond Creek	SC1005639	FY16 SILVER HEIGHTS SEWER REHAB	SCAPCREDIT		10/31/2016	284,936	4,336,691
Pond Creek	SC1005631	FY14 LEAANN WAY WEST (LAWW) QUAD4 II/ REHAB	SCAPCREDIT		10/31/2016	692,905	4,051,755
Pond Creek	SC1082801	MAINTENANCE WORK FY17 JUL-DEC-POND CREEK	SCAPCREDIT		12/30/2016	14,699	4,351,390
Pond Creek	LE942402	Preston Crossing Apartments	LAT EXT	46400	1/17/2017	(100,920)	4,250,470
Pond Creek	LE954229	Jefferson Commerce Center Bldg.2	LAT EXT	3150	2/2/2017	(6,851)	4,243,619
Pond Creek	LE971220	Woods of Penn Run Sec. 2	LAT EXT	20000	3/28/2017	(43,500)	4,200,119
Pond Creek	SC1082602	MAINTENANCE WORK FY17 JAN-JUN-POND CREEK	SCAPCREDIT		6/30/2017	14,076	4,214,195
Pond Creek	LE967615	Cooper Farms Section 12	LAT EXT	21200	7/6/2017	(46,110)	4,168,085
Pond Creek	SC1107179	CONTRACTED WORK FY17 - POND CREEK	SCAPCREDIT		7/31/2017	39	4,168,124
Pond Creek	LE1020224	Renaissance South Business Park Tract 11	LAT EXT	6000	9/20/2017	(13,050)	4,155,074
Pond Creek	SC1082603	MAINTENANCE WORK FY18 JUL-DEC-POND CREEK	SCAPCREDIT		12/30/2017	10,803	4,165,877
Pond Creek	LE1016885	Poplar Logistics	LAT EXT	3212	2/19/2018	(6,986)	4,158,891
Pond Creek	LE1029503	Texas Roadhouse	LAT EXT	700	3/15/2018	(1,523)	4,157,368
Pond Creek	LE1053266	Yokomori Manufacturing Facility	LAT EXT	1750	4/9/2018	(3,806)	4,153,562
Pond Creek	SC1107183	FY18 MOUNT WASHINGTON ROAD PS REHABILITATION	SCAPCREDIT		6/4/2018	48,610	4,202,172
Pond Creek	SC1098902	FY17 ADMIRAL PS	SCAPCREDIT		6/30/2018	977,768	5,179,940
Pond Creek	LE1048512	Poplar Logistics Center - Building 3	LAT EXT	3364	2/14/2019	(7,317)	5,164,410
Pond Creek	LE1048509	Poplar Logistics Center building 2	LAT EXT	3776	2/14/2019	(8,213)	5,171,727
Pond Creek	LE1047077	Orell Station 1C	LAT EXT	10400	6/10/2019	(22,620)	5,141,790
Pond Creek	SC1107191	FY18 OAKLAWN	SCAPCREDIT		6/21/2019	198,872	5,340,662
Pond Creek	LE1053368	Ferndale Place Subdivision	LAT EXT	9600	7/10/2019	(20,880)	5,319,782
Pond Creek	LE1056055	Convington by the Lake Area 1	LAT EXT	33600	8/8/2019	(73,080)	5,246,702
Pond Creek	LE1048948	Estates of St.Anthony Sec. 3	LAT EXT	4000	11/22/2019	(8,700)	5,238,002
Pond Creek	LE1013108	Menards	LAT EXT	18450	1/6/2020	(40,129)	5,197,873
Pond Creek	LE1092680	Hidden Forest Section 2	LAT EXT	10000	1/13/2020	(21,750)	5,176,123
Pond Creek	LE1102769	L & N Federal Credit Union	LAT EXT	1950	2/18/2020	(4,241)	5,171,882
Pond Creek	LE1047091	New Cut Road Retail Shop	LAT EXT	1381	5/12/2020	(3,004)	5,168,878
Pond Creek	LE1078674	Frontgate Apartments	LAT EXT	30600	6/10/2020	(66,555)	5,102,323
Pond Creek	LE1104752	Carwash USA	LAT EXT	9000	12/10/2020	(19,575)	5,082,748
Pond Creek	LE1104279	Parkside at Mt. Washington Section 2	LAT EXT	48800	3/9/2022	(106,140)	4,976,608
Pond Creek	LE1105623	The Preserve at Cedar Creek Section 3	LAT EXT	28800	9/27/2022	(62,640)	4,913,968
Pond Creek							4,913,968
Southeast Diversion	359440	CALENDAR 2007 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2007	128,000	136,000
Southeast Diversion	359355	CALENDAR 2007 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2007	8,000	8,000
Southeast Diversion	235575	MAINTENANCE WORK FY06 AUG-FY09 NOV - SE DIVERSION	SCAPCREDIT		11/1/2008	71,472	207,472
Southeast Diversion	236214	FY09 GOLDSMITH BUECHB ICA PHI REHAB	SCAPCREDIT		12/22/2008	314,808	644,968
Southeast Diversion	236296	FY09 BEARGRASS INT REHAB PH1 (SED)	SCAPCREDIT		12/22/2008	122,688	330,160



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Southeast Diversion	SC1011317	MAINTENANCE WORK FY09A - SE DIVERSION	SCAPCREDIT		12/31/2008	1,555	666,523
Southeast Diversion	359441	CALENDAR 2008 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2008	16,000	664,968
Southeast Diversion	359356	CALENDAR 2008 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2008	4,000	648,968
Southeast Diversion	SC1011318	MAINTENANCE WORK FY09B - SE DIVERSION	SCAPCREDIT		6/30/2009	2,929	669,452
Southeast Diversion	228854	TINY HANDS DAYCARE	LAT EXT	1225	10/20/2009	(2,664)	666,788
Southeast Diversion	359443	CALENDAR 2009 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2009	8,000	703,762
Southeast Diversion	359357	CALENDAR 2009 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2009	12,000	695,762
Southeast Diversion	SC1011322	MAINTENANCE WORK FY10A - SE DIVERSION	SCAPCREDIT		12/31/2009	16,974	683,762
Southeast Diversion	235291	SULLIVAN COLLEGE OF TECHNOLOGY	LAT EXT	900	2/11/2010	(1,956)	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	359359	CALENDAR 2011 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2011	64,000	804,452
Southeast Diversion	359445	CALENDAR 2011 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2011	8,000	740,452
Southeast Diversion	SC1011331	MAINTENANCE WORK FY12A - SE DIVERSION	SCAPCREDIT		12/31/2011	5,071	732,452
Southeast Diversion	325231	ASSUMPTION SPORTS AND REC CTR	LAT EXT	1800	4/20/2012	(3,915)	800,537
Southeast Diversion	SC1011316	MAINTENANCE WORK FY12B - SE DIVERSION	SCAPCREDIT		6/30/2012	24,202	830,880
Southeast Diversion	SC1011333	MAINTENANCE WORK FY12B - SE DIVERSION	SCAPCREDIT		6/30/2012	6,141	806,678
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	359446	CALENDAR 2012 DOWNSPOUT CREDIT	SCAPCREDIT		12/31/2012	4,000	925,342
Southeast Diversion	14SC1006	MAINTENANCE WORK FY13A - SE DIVERSION	SCAPCREDIT		12/31/2012	24,202	921,342
Southeast Diversion	359361	CALENDAR 2012 SUMP PUMP CREDIT	SCAPCREDIT		12/31/2012	68,000	897,140
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

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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	SC1005539	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
Southeast Diversion	SC1082607	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	SC1082608	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 Bardsbawn Road	LAT EXT	1000	5/14/2015	(2,175)	919,540
Southeast Diversion	SC1082610	MAINTENANCE WORK FY15 JAN-JUN-SOUTHEAST DIVERSION	SCAPCREDIT		6/30/2015	10,273	928,943
Southeast Diversion	LE932083	Commercial Shell Bldg Addition	LAT EXT	400	6/30/2015	(870)	918,670
Southeast Diversion	SC1006189	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	7,052	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 (SEDO) W/ 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	SC1082612	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	SC1082613	MAINTENANCE WORK FY17 JUL-DEC-SOUTHEAST DIVERSION	SCAPCREDIT		12/30/2016	5,812	1,001,779
Southeast Diversion	LE967621	Chick-It-A FSU #	LAT EXT	1500	1/6/2017	(3,263)	998,516
Southeast Diversion	SC1082614	MAINTENANCE WORK FY17 JAN-JUN-SOUTHEAST DIVERSION	SCAPCREDIT		6/30/2017	6,961	1,005,477
Southeast Diversion	LE1019576	Bachman 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	SC1082615	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	Nickliss Paragon Centre - Corporate Office Addito	LAT EXT	3040	1/10/2019	(6,612)	992,700
Southeast Diversion	SC107193	CONTRACTED WORK FY19 - SOUTHEAST DIVERSION	SCAPCREDIT		8/30/2019	15,760	1,008,460
Southeast Diversion	SC107192	FY18 SOUTHEAST DIVERSION AREA F (SEDF)	SCAPCREDIT		9/12/2019	1,617,410	2,625,870



SECOND AMENDED CONSENT DECREE  
 MID-YEAR STATUS REPORT FY23  
 JULY 1, 2022 - DECEMBER 31, 2022

CREDIT BASIN	APPLICATION	APPLICATION NAME	TYPE	FLOW	RELEASE DATE	APPROVED CREDIT REQUIRED OR FLOW REDUCTION	RUNNING TOTAL
Southeast Diversion	LE1102994	Honda World - building expansion	LAT EXT	400	1/17/2020	(870)	2,625,000
Southeast Diversion	LE1074909	Bardslow 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	SC1107199	FY20 NIGHTINGALE (SEDC)/REHABILITATION	SCAPCREDIT		9/2/2021	739,758	3,343,921
Southeast Diversion	LE1054201	9603 Watterson Trail	LAT EXT	400	11/22/2021	(870)	3,343,051
Southeast Diversion							3,343,051



**Louisville MSD  
Second Amended Consent Decree  
Mid-Year Status Report FY23**

