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Via Electronic Mail and U.S. Mail
July 31, 2023

Chief, Clean Water Protection Branch
ATTN: Mr. Paul Schwartz
Water Protection Division
United States Environmental Protection Agency – Region 4
61 Forsyth Street
Atlanta, Georgia 30303-8960

**RE: Clean Water Act Consent Decree 1:10cv 4039-WSD
July 31, 2023 – 23rd Semi-Annual Report**

Dear Mr. Schwartz:

As required by §IX. Reporting Requirement of the Consent Decree associated with the above referenced civil action, DeKalb County is submitting the following document for your review and comment:

- July 31, 2023 — 23rd Semi-Annual Report

I certify under penalty of law that these documents and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations pursuant to CWA Section 309 (c)(4).

If you have questions or comments regarding this submittal, please call me at 404-371-2174.

Respectfully,

Zachary L. Williams,
Chief Operating Officer and Executive Assistant
DeKalb County, Georgia

cc: Georgia EPD
Viviane Ernstes, County Attorney
Maria V. Houser, Director of Consent Decree and Environmental Compliance
David E. Hayes, Director, DWM
Brent Zern, Consent Decree Administrator
E. Fitzgerald Veira, Troutman Pepper
Matthew C. Welch, Deputy County Attorney

Semi-Annual Report No. 23

January 1, 2023, to June 30, 2023

Civil Action No. 1:10cv4039 - SDG

**DeKalb County
Department of Watershed Management**



DeKalb County
G E O R G I A



July 31 2023

Table of Contents

Introduction	1
Capacity, Management, Operations, and Maintenance Programs Update.....	3
1. Contingency and Emergency Response Plan (CERP) (CD VI.B.i)	3
2. Fats, Oils, and Grease (FOG) Management Program (CD VI.B.ii)	5
3. Sewer Mapping Program (CD VI.B.iii)	6
4. Collection and Transmission Systems Training Program (CD VI.B.v).....	8
5. System-Wide Flow and Rainfall Monitoring Program (CD VI.B.vi)	9
6. Infrastructure Acquisitions Program (CD VI.B.ix)	10
7. System-Wide Hydraulic Model.....	11
8. Priority Areas Sewer Assessment and Rehabilitation Program (PASARP) (CD VI.B.x).....	11
9. Ongoing Sewer Assessment and Rehabilitation Program (OSARP) (CD X 38.).....	14
10. Maintenance Management System (MMS) Program (CD VI.B.iv)	14
Gantt Chart.....	16
Table	
Table 1. Consent Decree Submittals – Schedule and Status.....	2

Acronyms

CCTV	closed-circuit television
CD	Consent Decree
CERP	Contingency and Emergency Response Plan
CIP	Capital Improvement Program
CMOM	Capacity, Management, Operations, and Maintenance
CMMS	computerized maintenance management system
COVID-19	Coronavirus Disease 2019 (aka, 2019 novel Coronavirus)
CV360	CloudVergent 360
DWM	Department of Watershed Management (DeKalb County)
EPA	United States Environmental Protection Agency
EPD	Georgia Environmental Protection Division
FOG	fats, oils, and grease
FSE	food service establishment
ft ²	square foot (feet)
GIS	geographic information system
GSRR	Gravity Sewer Rehabilitation and Replacement
I/I	infiltration and inflow
LDP	land development permit
LF	linear feet
MCD	Modification to Consent Decree
MMS	Maintenance Management System
NTP	Notice to Proceed
OSARP	Ongoing Sewer Assessment and Rehabilitation Program
PASARP	Priority Areas Sewer Assessment and Rehabilitation Program
QA/QC	Quality Assurance/Quality Control
RFP	Request for Proposals
SL-RAT	Sewer Line Rapid Assessment Tool
SSO	sanitary sewer overflow
TISCIT	Totally Integrated Sonar and Camera Inspection Technique

Introduction

DeKalb County (hereafter, the “County”) submits this 23rd Semi-Annual Report in accordance with Section IX, Paragraph 57, of the Consent Decree (CD) (Civil Action 1:10cv4039-SDG) to provide:

- a) “A summary description of projects and significant activities completed, and deadlines achieved during the previous applicable six (6) month period pursuant to the requirements of this Consent Decree, in Gantt chart or similar format, including a summary of any missed deadline required by this Consent Decree and, if applicable, the reasons for missing such deadline.”
- b) “A summary of projects and significant activities anticipated to be performed, and deadlines anticipated to be achieved, in the successive applicable six (6) month period to comply with the requirements of this Consent Decree, in Gantt chart or similar format. The Parties agree that schedules, dates or deadlines reported pursuant to this subparagraph 57. (b) are not intended to be and shall not become enforceable under this Consent Decree, unless any such schedule, date or deadline is otherwise specifically enforceable pursuant to this Consent Decree.”

On September 22, 2021, a Modification to Consent Decree (MCD) was entered, which among other things, extends the timeline to complete the assessment and rehabilitation work under the Priority Areas Sewer Assessment and Rehabilitation Program (PASARP) to December 20, 2027. The MCD also modified the County’s reporting obligations, including the provisions governing semi-annual reports. According to the MCD,

- c) “Each Semi-Annual Report shall include a detailed written description, supplemented by a Gantt chart, of projects and significant activities completed and interim milestone dates and deadlines achieved under the PASARP during the previous applicable six (6) month period for each Initial or Additional Priority Area. Each Semi-Annual Report shall also include a list of all Initial and/or Additional Priority Areas wherein the County has completed all work required by the PASARP and the date on which the County completed such work. Each Semi-Annual Report shall also include a detailed written description of any missed interim milestone date and deadlines, the reasons for missing such interim milestone dates and deadlines, and the expected date for completing the applicable work.”
- d) “Each Semi-Annual Report shall include a detailed written description, supplemented by a Gantt chart, of projects and significant activities anticipated to be performed and interim milestone dates and deadlines anticipated to be achieved under the PASARP during the successive applicable six (6) month period in each Initial or Additional Priority Area, and a list of all Initial and/or Additional Priority Areas wherein the County anticipates completing all work required by the PASARP and the date on which the County anticipates completing such work.”

Several projects and activities have taken place during the first 6 months of 2023, and several projects and activities are projected to be implemented in the second 6 months of 2023. As implementation of the Capacity, Management, Operations, and Maintenance (CMOM) programs continues with the addition of multiple projects and activities, the reporting of those projects and significant activities is more conducive to a Gantt chart format as described in the CD provision outlined above.

Despite the coronavirus 2019 (COVID-19) global pandemic, the County adapted existing processes to minimize risk and ensure continued safety for the County’s citizens, employees, and contractors. In conjunction with the State Executive Order on March 14, 2020, declaring a Public Health State of Emergency, the County implemented a Socially Distant Service Delivery Strategy on March 15, 2020. This strategy restricted access to government facilities, increased sanitation, and ensured County services were still available through electronic, telephone, or mail methods.

To work toward protecting public health and the environment, especially during a pandemic, wastewater services were considered essential and many members of the staff are considered to be front-line workers. The efforts listed above allowed the Department of Watershed Management (DWM) to continue to function—even initiating repair and replacement projects for areas previously subject to repeat sanitary sewer overflows (SSOs). Some tasks were temporarily suspended to develop protocols to allow safer implementation. For example, training sessions that were previously conducted in person were adapted to smaller groups that allowed for appropriate distancing while virtual sessions were under development. Additionally, the County Innovation and Technology Department provided upgrades to support video conferencing as meetings were moved to virtual settings. As schools closed and DWM’s planned public education events were canceled, online education campaigns increased, particularly to address a COVID-19-specific concern of toilet paper scarcity leading to an increase of “flushable” wipes in the sewer. Maintenance work on the system continues with County crews using appropriate personal protective equipment and working block schedules to limit exposure.

In the first half of 2023, the County continued to function under adapted COVID-19 safety protocols. The County has put in place the infrastructure to continue virtual training sessions and meetings, use electronic processes and signatures, and so forth. As the County begins to reopen facilities, including schools, the County will be able to perform selected functions in person including outreach sessions at recreation centers, training, and meetings.

Table 1 summarizes completed and projected submittals during the reporting period.

Table 1. Consent Decree Submittals – Schedule and Status

CD No.	Title	DWM Submittal for Review
IX. (56)	Quarterly Report	January 31, 2023
IX. (57)	22nd Semi-Annual Report	January 31, 2023
VI. (35)	2023 Minimum Linear Footage of Pipe Review, Design, and Rehabilitation Report	February 1, 2023
IX. (58)	11th Annual Report	March 1, 2023
IX. (56)	Quarterly Report	May 1, 2023
IX. (56)	Quarterly Report	July 31, 2023
IX. (57)	23rd Semi-Annual Report	July 31, 2023
IX. (56)	Quarterly Report	October 30, 2023

Capacity, Management, Operations, and Maintenance Programs Update

1. Contingency and Emergency Response Plan (CERP) (CD VI.B.i)

a) Projects and Activities Accomplished for the Reporting Period 1/1/2023 to 6/30/2023

- i) Provided multiple instances of training to ensure County personnel and applicable contractors are prepared to respond to SSO emergencies (refer to Gantt chart lines 719–722).
 - a. Conducted CERP refresher training for 153 personnel in divisions of DWM. New DWM employees were trained in CERP during New Employee Orientation.
 - b. Provided training to 575 additional County staff regarding SSO identification and reporting via the County-wide New Employee Orientation administered by Human Resources. (Having personnel trained in SSO identification in more departments facilitates better communication between other departments and DWM and improves response when other departments have information regarding an SSO.)
 - c. Conducted CERP training for 252 contractor personnel involved with CD-related projects. Contractors are trained as to their responsibilities related to the CERP and how to prevent SSOs during their activities.
- ii) Promoted greater communication within the wider community about SSO prevention and response (refer to Gantt chart lines 724–725).
 - a. Amplified community awareness and education efforts related to fats, oils, and grease (FOG) as well as other causes of SSOs. Over 500,000 FOG educational fliers were electronically distributed by Nextdoor directly to the community. Social media communication posts were continued on Facebook and Twitter; 82 posts were made each on Facebook and Twitter, reaching nearly 27,000 community members with each post to inform them about the effects of FOG and wipes in the collection system as well as other general SSO information (additional information about this outreach is in the FOG program section).
- iii) Implemented immediate maintenance and long-term project planning solutions to ensure the resolution and prevention of SSOs (refer to Gantt chart lines 728–731).
 - a. Continued to monitor and coordinate areas for follow-up cleaning or rehabilitation measures. Upon completion of initial response cleaning (approximately 6,635 linear feet [LF]), areas were further cleaned or rehabilitated as needed.
 - b. Addressed long-term solutions to maintenance-related SSOs by using formal root control and cleaning asset management programs. After a root-related SSO, created work orders for chemical root control or easement clearing. Coordinated with other DWM divisions to have contractors perform work and complete documentation. Additional information is included in the Maintenance Management Program section.
 - c. Private property SSOs are not considered to be part of the Consent Decree and, as such, are not enforceable by EPA or EPD. However, good management of private property SSOs helps the County achieve its overall goals. In accordance with the process in Section 2.3.3.1.d of the CERP Program, the County issued 2 warnings and 10 citations in this reporting period.

“If onsite inspection reveals that a private SSO is entering the waters of the State, perform work to prevent the SSO from entering the waters of the State, providing such work would not result in the County taking ownership of the infrastructure, and notify the property owner immediately to secure private resources to remedy the problem. i) If owner is resistant to action notify a Compliance Inspector or the Health Department to issue a citation, shut off water to the site at the meter and followup to assure problem has been corrected before restoring water service.”

Exception Reporting: Georgia Environmental Protection Division (EPD) was notified via letter dated October 11, 2016, of an inability to meet the public notice with a 7-day time frame in the legal organ. (*The Champion Newspaper*, which publishes once per week, requires up to a 10-day pre-notice time frame). Notwithstanding the inability to meet the 7-day time frame, the County meets the earliest possible date *The Champion Newspaper* would allow after the occurrence of a major spill. Moreover, the County notifies the public expeditiously when the public is potentially affected by an SSO. For example, the County sends information regarding all reported spills in an email to the media (radio stations, television stations, and newspapers), in addition to regulatory entities and downstream users as soon as possible but within 24 hours of learning of the spill. Signs that notify the public that a spill has occurred are posted at the spill site as well as upstream/downstream of the site.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2023 to 12/31/2023

- i) Provide multiple instances of training (refer to Gantt chart lines 719–722).
 - a. Continue to provide CERP refresher training to personnel within DWM, as conditions allow per standard safety protocols. All personnel are required to attend training yearly. Anticipate training of approximately 150 personnel.
 - b. Continue to provide SSO identification and reporting training to new employees County-wide, as conditions allow per COVID-19 safety protocols. These classes occur monthly in person or online (virtual).
 - c. Continue CERP training for contractor personnel involved with CD-related projects, as conditions allow per standard safety protocols. This training is held as new contracts or contract personnel are added.
- ii) Ensure effective Community Communications (refer to Gantt chart lines 724–725).
 - a. Continue community awareness and education efforts related to FOG. DWM will continue its all-inclusive communication approach to work with a team focused on distributing fliers, including virtually through Nextdoor, and attending community events. 121 social media posts are currently planned to inform at least 32,000 community members about FOG, wipes, sewer laterals, and to provide general SSO information.
 - b. Continue community awareness and distribute over 500,000 FOG fliers to be disseminated via Nextdoor.
- iii) Provide solutions to resolve SSOs and potential SSOs before they occur (refer to Gantt chart lines 728–731).
 - a. Continue to monitor and coordinate areas for follow-up cleaning or rehabilitation measures after an SSO. Areas that have experienced an SSO will be prioritized above routine cleaning.

- b. Continue to address long-term solutions to maintenance-related SSOs with ongoing implementation of root control and cleaning asset management programs. Ensure ongoing scheduling of areas for chemical root control or easement clearing. Additional information is included in the Maintenance Management Program section.

2. Fats, Oils, and Grease (FOG) Management Program (CD VI.B.ii)

a) Projects and Activities Accomplished for the Reporting Period 1/1/2023 to 6/30/2023

- i) To prevent FOG from entering the collection system, the following education efforts were executed (refer to Gantt chart lines 734–735).
 - a. Sponsored 14 outdoor community events reaching approximately 2,200 citizens with information about FOG and its effect on sewer systems.
 - b. DWM has partnered with the DeKalb County School District to reduce sewer spills by conducting 10 school visits. DWM collaborated with the school district to develop the “No FOG, No Clog” public education campaign for elementary, middle, and high school students. The “No FOG, No Clog” campaign educates students about the hazards of grease clogs in the sewer systems and aims to positively change FOG disposal behaviors. DWM designed and created presentations, brochures, and promotional materials that illustrate proper disposal. The campaign also includes tips on social media. The campaign was launched in areas where sewer spills most often occur and has continued during the 2022–2023 school year.
 - c. DWM conducted 55 FOG presentations reaching approximately 5,200 students with information about FOG and its effect on sewer systems.
- ii) Program Compliance and Enforcement (refer to Gantt chart lines 739–742)
 - a. Total inspections: 4,786. Inspections are performed to ensure that Food Service Establishments (FSEs) have proper FOG interceptors, are properly maintaining the equipment, and have paid all required fees.
 - b. Warning citations issued: 725. Facilities are given a warning citation to comply with poor interceptor maintenance. The majority of FSEs comply within the required 48-hour period. For those who do not, the County may proceed with a court summons.
 - c. Permits issued: 1,492. All FSEs proposing to discharge or are currently discharging wastewater that contains FOG must obtain a FOG wastewater discharge permit annually or cease ongoing operation.
 - d. Court summons issued: 30.
 - i. A total of 4 cases are pending for noncompliance with the ordinance.
- iii) Program Statistics (refer to Gantt chart lines 744–746)
 - a. More than 3.4 million gallons of FOG were removed by haulers from FSEs.
 - b. Though not a part of the CD, no multifamily complexes were cited for violations related to the FOG ordinance.

- c. No quarterly FOG and multifamily housing workshops were held; however, FOG information packets and brochures were mailed with all FOG permits issued to each FSE (a total of 1,492 packets this period).

b) Projects and Activities Anticipated for the Reporting Period 7/1/2023 to 12/31/2023

- i) Community Education (refer to Gantt chart lines 734–735)
 - a. Continue communication with County students, residents, and customers as part of the Public Education Program through presentations and outreach with the school district, Parks and Recreation Department, senior centers, and community groups and organizations. Four outdoor community events are planned and aimed at reaching at least 12,000 community members.
 - b. Continue FOG education programs in DeKalb County schools with promotional giveaways and in-person presentations. Forty (40) FOG presentations are currently planned at 15 DeKalb County Schools to reach at least 5,500 students.
- ii) Program Compliance and Enforcement (refer to Gantt chart lines 739–742)
 - a. Conduct after-hours inspections at nightclubs biannually.
 - b. Increase total FOG inspections by 10%.
 - c. Obtain adequate vehicles and proper staffing to perform job duties productively.
 - d. Continue to perform inspections of FSEs and issue citations for noncompliance.
 - e. Plan to reimplement waste hauler truck inspections to generate revenue for the FOG/pretreatment programs.
 - f. Continue aggressive enforcement program aimed at achieving even greater compliance with the FOG ordinance. This includes after-hours inspections of sites that generally operate at night.
 - g. Continue enforcement of Industrial Pretreatment customers to install pretreatment systems if necessary.

3. Sewer Mapping Program (CD VI.B.iii)

a) Projects and Activities Accomplished for the Reporting Period 1/1/2023 to 6/30/2023

- i) Data Input and Quality Control (refer to Gantt chart lines 751–752)
 - a. Continued to populate a geographic information system (GIS) layer for sanitary sewer easements in the County. DWM is capturing easements from record drawings and subdivision plats to augment records. Maps of easements are used to provide locations of access for maintenance of assets. Approximately 39 easements were identified from drawings and subdivision plats, scanned into the GIS software, and then added into the GIS layer.
 - b. Continued updates to the sewer mapping GIS to reflect new developments, connectivity issues, system improvements, and maintenance revisions. As assets are added to the GIS, they are also added to the MMS Program for maintenance and evaluation. Maintenance activity is regularly updated to the GIS and used in planning for continuing maintenance.

- ii) System Enhancements (refer to Gantt chart line 755–758)
 - a. Optimized the GIS platform to better track edits among multiple users and to allow users to edit layers and assets simultaneously in order to leverage multiple resources and streamline overall GIS maintenance activities. Third-party tools have been implemented to the GIS software to enhance Quality Assurance/Quality Control (QA/QC) processes through better integration of multiple data sources and through data set comparison features.
 - b. Used a database of project as-built construction drawings to facilitate updates to the GIS for completed sewer projects.
 - c. Created online maps and applications to support specific tasks and projects. Online web maps and apps have also been created for future construction where the preliminary plans are added to the GIS. Continued to update main online web viewer (WAV) and SSO dashboard for wider access across user groups.
 - d. Continued updates and support through the GIS interface with Cityworks, the County’s computerized maintenance management system (CMMS).
 - e. Continued updating the Project Finder App as new information was made available. The Project Finder App was made to display planned ongoing water and sewer projects by contractor. This is intended to assist and inform the project managers overseeing the projects.
 - f. Continued to update two interactive online dashboards known as Sewer Capacity Requests. One is public facing and the other is for internal use only.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2023 to 12/31/2023

- i) Data Input and Quality Control (refer to Gantt chart lines 751–752)
 - a. Identify which assets are in areas without sufficient or properly recorded easement documents.
 - b. Expand the use of Data Reviewer by ESRI within our QA/QC process. The software extension Data Reviewer allows management of data for data production and analysis by providing a system for automating and simplifying data quality control that can improve data integrity. Data Reviewer provides a set of QC tools that allow an efficient and consistent data review process. Training has already been completed with all staff.
 - c. Continue the Cityworks project that adds lift station and pump station assets together with relationships and required tables into Cityworks. This project will allow users to create work orders within Cityworks for the assets.
- ii) System Enhancements (refer to Gantt chart line 755–758)
 - a. Use a database of project as-built construction drawings to facilitate updates to the GIS for completed sewer projects.
 - b. Create online maps and applications to support specific tasks and projects. Continue to update main online web viewer (WAV). Create an online web application gallery for use by project managers and team members to allow for a central location to access all maps, applications, and data.

- c. Continue updates and support through the GIS interface with Cityworks, the County's CMMS.

4. Collection and Transmission Systems Training Program (CD VI.B.v)

a) Projects and Activities Accomplished for the Reporting Period 1/1/2023 to 6/30/2023

- i) Continue to implement the revised Training Program (2018) using the Training Matrix, and Training Calendar. A total of 3,307 hours of training was performed during this period (refer to Gantt chart lines 764–766).
- ii) The DWM Safety Division held classes monthly for safety and security topics, when possible.
- iii) Classes for personal development, computer applications, management training, and New Employee Orientation were administered by the County Human Resources Department monthly.
- iv) Training was scheduled and tracked, by division, using CloudVergent 360 (CV360).
- v) Monthly and quarterly reports notifying supervisors of their cost center's required participation were produced and distributed. Reports indicated which employees had attended class and which still needed to register for upcoming classes.
- vi) Schedules of classes were recorded and updated using the CV360 software and were made available to all personnel.
- vii) Examples of classes provided and number of participants:
 - a. Accountability: 0
 - b. Blood-borne Pathogen: 142 (online)
 - c. Confined Space Awareness: 0
 - d. Department Safety Management Systems: 55
 - e. Emergency Action/Response Plan: 142 (online)
 - f. Employee Rights and Responsibilities: 55
 - g. Ergonomics: 55
 - h. Fire Prevention Plans: 55
 - i. Hazard Communication: 142 (online)
 - j. Medical Services and First Aid: 55
 - k. Personal Protective Equipment: 142 (online)
 - l. Safety Management Division Overview: 55
 - m. Slips, Trips & Falls: 55
 - n. Workplace Violence: 142 (online)

b) Projects and Activities Anticipated for the Reporting Period 7/1/2023 to 12/31/2023

- i) Continue implementation of updated Training Program using Training Matrix, Training Calendar, and CV360 software to track compliance (refer to Gantt chart lines 764–766).
- ii) Continue producing and distributing reports of participation by cost center.
- iii) Continue online (virtual) and in-person training for DWM personnel.

5. System-Wide Flow and Rainfall Monitoring Program (CD VI.B.vi)

a) Projects and Activities Accomplished for the Reporting Period 1/1/2023 to 6/30/2023

- i) Continued implementing a robust maintenance and calibration program, supporting a monthly average of 308 flow monitors and 41 rain gauges. Maintenance field operations are supported by daily, weekly, and monthly QA/QC measures to identify meters in need of additional attention (refer to Gantt chart line 987). For the reporting period, the flow monitoring field crews completed the following:

A total of 2,564 flow meter maintenance visits including:

- a. 1,215 battery replacements
- b. 319 flow monitor calibrations (refer to Gantt chart line 987)
- c. 40 new modem installations on existing flow monitors were completed for this period (refer to Gantt chart line 986)

A total of 238 rain gauge maintenance visits were also completed (refer to Gantt chart line 987).

- ii) Engaged contractors to support flow monitoring operations and supplement County resources.
- iii) Maintained temporary flow monitors in the system to assist in determining available sewer capacity and collecting additional data on known collection system issues. For the reporting period, one new temporary meter was installed (refer to Gantt chart line 990).
- iv) Removed temporary meters for completed capacity studies and Capital Improvement Program (CIP) projects. For this reporting period, five temporary meters were removed. Removed flow meter originally identified as permanent due to inconsistency with control point criteria identified in Section 1.6.2.1 of the System-Wide Flow and Rainfall Monitoring Program.
- v) Continued collecting data to support multiple CMOM programs and engineering studies.
 - a. Generating reports for intergovernmental billing.
 - b. Determining spill volumes where possible, as part of the CERP.
 - c. Performing infiltration and inflow (I/I) study for areas with suspected new or changing system inflow.
 - d. Investigating other non-ideal flow, including backwater and surcharge conditions.
- vi) Used system depth information from flow meters, combined with manhole-specific level alarms, to alert field personnel of possible operational issues that could result in an SSO.
- vii) Deployment of a new group of manhole-mounted (I/I) monitoring system (iTrackers) in new areas is under development. The selected deployment area is USF5 meter shed. Eleven (11) manholes have been selected for iTracker deployment. Resource allocation for deployment is currently under review. Flow monitoring and rain gauge data were used to identify locations with the highest observed I/I located at the lowest points on potentially affected branches in the WCTS (refer to Gantt chart line 981).
- viii) Continued implementing audit program to quantify and track data quality. The program includes scoring for system up times and rating of overall data quality including

completeness of data and field accuracy checks. All aforementioned efforts are to minimize data loss and ensure accuracy of the data (refer to Gantt chart line 985).

b) Projects and Activities Anticipated for the Reporting Period 7/1/2023 to 12/31/2023

- i) Continue the use of flow monitors to collect data to support multiple CMOM programs.
- ii) Continue maintenance and calibration of rain gauges and flow monitors at least monthly for permanently installed sites and within 45 days for temporary sites with additional visits as needed to support data quality (refer to Gantt chart line 987).
- iii) Maintain working cellular modems, replacing where necessary, with priority given to flow monitors identified as permanent (refer to Gantt chart line 986).
- iv) Continue to implement monitoring at new spill sites to:
 - a. Serve as an alarm for surcharge conditions.
 - b. Assist with determining spill volume.
 - c. Investigate the area for problem or I/I issue.
- v) Investigate new deployment areas for manhole-mounted I/I monitoring system (refer to Gantt chart line 981).
- vi) Install temporary flow meters on privately owned sewer mains to assess levels of private I/I.

6. Infrastructure Acquisitions Program (CD VI.B.ix)

a) Projects and Activities Accomplished for the Reporting Period 1/1/2023 to 6/30/2023

- i) Evaluated/inspected 36,722 LF of sewer pipe (refer to Gantt chart line 994).
- ii) No new lift stations acquired this period (refer to Gantt chart line 995).
- iii) Wastewater plan review (buildings): 650 (refer to Gantt chart line 996).
- iv) Wastewater plan review (land disturbance): 135 (refer to Gantt chart line 997).
- v) Final plat reviews: 15 (refer to Gantt chart line 998).
- vi) FOG building reviews (building and land development permit [LDP]): 278 (refer to Gantt chart line 999).
- vii) Backflow reviews (building and LDP): 577 (refer to Gantt chart line 1000).
- viii) Sewer capacity requests received: 232 (refer to Gantt chart line 1001).
- ix) Capacity letters issued: 80 (refer to Gantt chart line 1002).
- x) Conditional capacity letters issued: 102 (refer to Gantt chart line 1002).
- xi) Sewer capacity requests canceled: 25 (refer to Gantt chart line 1003).
- xii) Continue utilizing the I/I Banking Credit System as an alternative for processing sewer capacity approvals (refer to Gantt chart line 1016).
 - a. Coordinated deposits of capacity credits with CIP team for continuing rehabilitation work.
 - b. Continued working with large sewer contributors to have developer contribute financially to rehabilitation to generate I/I credits. Two projects were finalized in this reporting period.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2023 to 12/31/2023

- i) Continue optimizing the implementation of sewer capacity review process with Permitting Department and City partners (refer to Gantt chart line 1012).

- ii) Continue utilizing the I/I Banking Credit System (refer to Gantt chart line 1016).

7. System-Wide Hydraulic Model

a) Projects and Activities Accomplished for the Reporting Period 1/1/2023 to 6/30/2023

- i) Continued to update the seven dynamic model networks covering the countywide sewer system with the latest county GIS and field surveyed data. As new information and revisions become available, the model is regularly updated to reflect these changes. The models are also verified with current flow monitoring data (refer to Gantt chart lines 1057-1058).
- ii) Continued to use the dynamic model for sewer capacity evaluations requests (refer to Gantt chart line 1019).
- iii) Used the dynamic sewer models to evaluate ongoing CIP project designs and possible future alternatives in the Snapfinger, Pole Bridge, North Fork Peachtree Creek, Nancy Creek, Intrenchment Creek, and South Fork Peachtree Creek sewersheds. New projects and previously proposed projects were re-evaluated as new information became available (refer to Gantt chart line 1064).
- iv) Prepared model packages in response to requests from design engineers. Model packages included existing and future sewer networks covering the areas of interest, as well as all the necessary supplemental files to run the model simulations.
- v) Supported the System-Wide Flow and Rainfall Monitoring Program by evaluating flow splits in the dynamic model. The model provided insights into how water moves through the sewer system between flow monitors (refer to Gantt chart line 1059).

b) Projects and Activities Anticipated for the Reporting Period 7/1/2023 to 12/31/2023

- i) Continue updating the dynamic model networks as new information becomes available (refer to Gantt chart lines 1057-1058).
- ii) Continue using the dynamic model as required to evaluate ongoing CIP project designs and future alternatives.
- iii) Continue supporting design engineers by providing model results and preparing model packages, as necessary.
- iv) Continue supporting the System-Wide Flow and Rainfall Monitoring Program, as necessary (refer to Gantt chart line 1059).

8. Priority Areas Sewer Assessment and Rehabilitation Program (PASARP) (CD VI.B.x)

a) Projects and Activities Accomplished for the Reporting Period 1/1/2023 to 6/30/2023

- i) For Design Build Package No. 2, construction is complete for 16 of the 16 projects. This design build package was implemented to address structural defects identified from assessment activities and improve conveyance capacity (refer to Gantt chart lines 1664–1682). Construction is complete for the remaining sections of pipe of the Nancy Creek Branch 1 project.
- ii) For Design Build Package No. 3, construction is complete for 5 of the 7 projects. This design build package was implemented to address structural defects identified from assessment activities and improve conveyance capacity (refer to Gantt chart lines 1693–1698). For the

final PASARP project in this package, Snapfinger Woods, construction is complete for the new pipe alignment.

- iii) Annual Construction Contracts 1 through 4 completed lining and point repair construction (refer to Gantt chart lines 1739–1740).
- iv) On-Call Water and Sewer contracts were awarded. Under this contract, started construction of Package 5 component 12 (refer to Gantt chart line 1750).
- v) Under Gravity Sewer Rehabilitation and Replacement (GSRR) Section 1 contract, continued with construction (lining/point repair) (refer to Gantt chart line 1750). Under GSRR Section 2 contract continued construction of Package Nos. 7 and 8 projects (refer to Gantt chart lines 1753–1762).
- vi) Continued construction (lining/point repair) for Co-Op Agreement 2 (refer to Gantt chart line 1769).
- vii) Continued construction (lining/point repair) for Co-Op Agreement 3 (refer to Gantt chart line 1770).
- viii) Completed final design build bridging documentation for Shoal Creek and Snapfinger East wet weather storage tanks (refer to Gantt chart lines 2039 and 2060).
- ix) Completed development of Basis of Design Report and 30% design for Shoal Creek Trunk project (refer to Gantt chart lines 1778, 1780, 1786, and 1792). Started development of 60% design for Shoal Creek Trunk project (refer to Gantt chart lines 1781, 1787, and 1793).
- x) Issued NTP to on-call consultants for design of Cobb Fowler Trunk capacity projects (refer to Gantt chart line 1994).
- xi) Completed development of Basis of Design Report for North Fork Peachtree Creek/South Fork Peachtree Creek Trunks projects (refer to Gantt chart line 2013).
- xii) Started development of Basis of Design Report for Cobb Fowler Trunks, Doolittle/Blue/Sugar Trunks, and Upper Snapfinger Trunk (refer to Gantt chart lines 1995, 2004, and 2022).
- xiii) Complex rehabilitation projects constructed within Priority Areas I-IG7, I-IG14, and A-IG5. Additional rehabilitation construction on individual assets completed within other priority areas (refer to Gantt chart lines 2073–2119).
- xiv) As a result of the contracts noted above, the County exceeded Minimum Linear Footage Requirements in all categories listed in Table E-1 of Appendix E in the MCD.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2023 to 12/31/2023

- i) Continue construction of projects in Design Build Rehabilitation Package No. 3 (refer to Gantt chart lines 1693-1698).
- ii) Under On Call Water and Sewer Contracts continue construction of Package 5 project (refer to Gantt chart line 1743).
- iii) Under GSRR Section 1, continue construction (lining/point repair) (refer to Gantt chart line 1750).
- iv) Under GSRR Section 2, continue construction of Package Nos. 5, 7, and 8 projects to mitigate I/I and improve conveyance capacity (refer to Gantt chart lines 1753–1762).

- v) Continue construction under Co-Op Agreement 2 contract (refer to Gantt chart line 1769).
- vi) Continue construction under Co-Op Agreement 3 contract (refer to Gantt chart line 1770).
- vii) The County stated the following in the *Update on Fifteen (15) Priority Fix List Locations Associated with the Snapfinger Basin TM* submitted to EPA/EPD on June 16, 2023:

Completing work for the remaining 15 PFL sites has been based on a plan to construct two (2) storage facilities within the Snapfinger Basin to manage peak wet weather flows in conjunction with significant efforts to remove infiltration and inflow (I/I) and increase the conveyance capacity of a substantial portion of the associated trunk sewers. The County previously noted several key risk factors which could impact these project plans. Among these was the recognition that the in-basin storage facilities could significantly impact their surrounding communities and that community acceptance and governmental approval to construct such facilities was not certain.

Since the original schedule extension requests were made, the County has undertaken substantial efforts to determine the optimum candidate locations for the in-basin storage facilities based on detailed hydraulic analyses in coordination with a \$1.6M site evaluation contract with a national engineering firm. With the set of approximately 30 candidate locations determined, the County developed a number of criteria to select the most appropriate location based on constructability, operation and maintenance requirements, adaptability and resiliency, permitting, property acquisition requirements, and environmental and community impacts as was initially shared with the agencies on December 15, 2022 and in subsequent communications.

As candidate locations were narrowed, it became clear that the communities adjacent to the most feasible in-basin storage facility locations are comprised of predominately minority households with high unemployment rates and greater than 50% having low to moderate household incomes as represented through US Census data as well as the EPA's Environmental Justice Screening Tool (Version 2.0). Likewise, these communities are designated as disadvantaged by the U.S. Council on Environmental Quality's Climate and Economic Justice Screening Tool. The potential adverse impacts of these candidate locations to disadvantaged communities make these options unlikely to garner the community support and governmental approval necessary for their construction. These issues were not and could not have been fully understood at the time the initial requests for extensions were submitted to meet the submission deadline requirements of the MCD as those deadlines were prior to the lodging of the MCD, before the Snapfinger Basin dynamic hydraulic model was finalized and approved by the EPA and the EPD, and before completion of optimization studies to determine the most timely and effective solutions to address the PFL sites.

As these community and governmental concerns have become clearer, the County expanded its search for appropriate candidate locations for in-basin storage facilities and has not yet identified any alternative locations that would be effective at managing I/I within the Basin and that could be completed within the prior requested schedule extension and that do not have similar environmental justice issues as the previously identified storage locations. Accordingly, the County has begun further evaluation of alternative projects for adequately fixing these 15 PFL sites.

The alternative projects for adequately fixing these PFL sites may include:

- a. Identifying areas of additional comprehensive rehabilitation in Upper Snapfinger and Barbashela.
 - b. Continued design of Section 1 of Shoal Creek Trunk Sewer Design.
 - c. Award contract that includes design of Influent Lift Station at Snapfinger AWTF.
 - d. Review feasibility of tunnel for conveyance and storage of I/I flows in Snapfinger.
- viii) Complete 60% design and start 90% design for Shoal Creek Trunk project (refer to Gantt chart lines 1781–1782).
 - ix) Complete Basis of Design Report and start 30% design for Cobb Fowler Trunks, Doolittle/Blue/Sugar Trunks, North Fork Peachtree Creek/South Fork Peachtree Creek Trunks, and Upper Snapfinger Trunk (refer to Gantt chart lines 1995–1996, 2004–2005, 2014, and 2022–2023).

9. Ongoing Sewer Assessment and Rehabilitation Program (OSARP) (CD X 38.)

a) Projects and Activities Accomplished for the Reporting Period 1/1/2023 to 6/30/2023

- i) Performed ongoing tiered assessment in OSARP areas. Completed approximately 655,705 LF of smoke testing, 544,262 LF of acoustic inspections, and 1,532 manhole condition assessments (refer to Gantt chart lines 2314–2372).
- ii) Completed approximately 17.14 miles of Totally Integrated Sonar and Camera Inspection Technique (TISCIT) assessments of large-diameter trunk sewers in OSARP areas (refer to Gantt chart lines 2442–2461).
- iii) Removed approximately 87 tons of debris from large-diameter trunks that may contribute to restoration of capacity in the system (refer to Gantt chart lines 2465–2487).

b) Projects and Activities Anticipated for the Reporting Period 7/1/2023 to 12/31/2023

- i) Continue tiered assessment in OSARP areas. Anticipate completing approximately 30 miles of closed-circuit television (CCTV) assessments, 20 miles of smoke testing, 20 miles of acoustic inspections, and 1,000 manhole condition assessments (refer to Gantt chart lines 2314–2372).
- ii) Complete approximately 20 miles of TISCIT assessments of large-diameter trunks in OSARP areas (refer to Gantt chart lines 2442–2461).

10. Maintenance Management System (MMS) Program (CD VI.B.iv)

a) Projects and Activities Accomplished for the Reporting Period 1/1/2023 to 6/30/2023

- i) To address maintenance-related SSOs (grease, roots, debris, or any combination), the following maintenance activities were completed (refer to Gantt chart line 3912):
 - a. Performed 261 miles of small-diameter (15 inches or smaller) sewer cleaning. This represents 10 percent of the system.
 - b. A total of 67 miles of sanitary sewer mains were treated for roots using chemicals. This represents 2.6 percent of the system.

- c. A total of 6,497,451 square feet (ft²), or approximately 62 linear miles, of easements were cleared. Clearing of easements is essential to provide access to appurtenances and curtail root growth that could damage pipes.
- ii) Performed 1,193 sewer creek crossing inspections for pipes previously identified as needing revisit within a year (refer to Gantt chart line 3913).
- iii) Continued program of notifying property owners of private lateral maintenance needed. Using PASARP smoke testing data and pictures, DWM notified property owners that a private lateral defect was found on their property during testing. DWM requested that the property owner repair the defect and respond with proof of completion. A total of 208 letters were sent to property owners. A total of 213 repairs were completed on laterals and cleanout caps (refer to Gantt chart line 3914).

b) Projects and Activities Anticipated for the Reporting Period 7/1/2023 to 12/31/2023

- i) Perform 200 miles of small-diameter (15 inches or smaller) sewer cleaning (refer to Gantt chart line 3912).
- ii) Use chemical root control contract to treat areas of known root problems and areas that have a root-related SSO. Anticipate 110 miles of sewer main for treatment (refer to Gantt chart line 3912).
- iii) Use easement clearing contract to clear approximately 1,500,000 ft² of easements of vegetation to provide access for maintenance and for root control (refer to Gantt chart line 3912).
- iv) Complete creek crossing inspections for those crossings identified as needing yearly inspections. Approximately 700 crossings will be completed during this period (refer to Gantt chart line 3913).

Gantt Chart

As detailed in the Introduction, the Gantt chart is to be used as the primary method for presenting a summary of projects and significant activities achieved or anticipated to be achieved during the reporting period. A description of the layout of the Gantt chart is provided below:

DeKalb County Department of Watershed Management		Semi-Annual Report #22										
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	J	A	S	O	N	D	2023
												J

Identification (ID) - Number assigned to each task listed within the scheduling software. This field is used to sequence the order of tasks and to group like tasks under defined headings. The Gantt chart included in this Semi-Annual Report is a collapsed version of a larger project management scheduling chart. As required under the CD, only specific projects and significant activities are outlined in this report; therefore, the ID numbering is not sequential, and the attached chart does not represent the entirety of the tasks currently being undertaken by DWM in the Master Schedule. The number of activities will continue to grow and will be reported in successive Semi-Annual reports.

DeKalb County Department of Watershed Management		Semi-Annual Report #22										
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	J	A	S	O	N	D	2023
												J

Task Name - Name of the task.

DeKalb County Department of Watershed Management		Semi-Annual Report #22										
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	J	A	S	O	N	D	2023
												J

Start - Date the task started or is projected to start.

DeKalb County Department of Watershed Management		Semi-Annual Report #22										
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	J	A	S	O	N	D	2023
												J

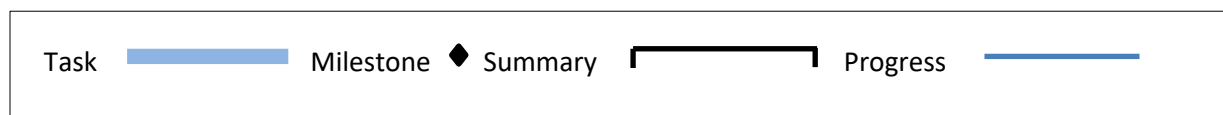
Finished - Date the task finished or is projected to finish.

DeKalb County Department of Watershed Management		Semi-Annual Report #22										
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	J	A	S	O	N	D	2023
												J

% Complete - Status of a task is expressed as a percentage of the task's work (time-wise) that has been completed.

DeKalb County Department of Watershed Management		Semi-Annual Report #22										
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	J	A	S	O	N	D	2023
												J

CD/CMOM Date - Finish date for a milestone based on the CD and CMOM documents. Dates are assigned to milestone type tasks only; other tasks are blank.



Legend - The tasks, milestones, summary, and progress are shown on the chart using the above symbols and line styles.

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023														
						J	F	M	A	M	J	J	A	S	O	N	D			
4	Capacity Management, Operations and Maintenance Programs (CMOM)					[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
30	0. Consent Decree Reporting			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
112	Quarterly SSO Reporting			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
152	Quarterly Recurring Report to EPA (2022)					[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
156	Submit Quarterly SSO Report 44		1/31/23	100%		1/31/23														
157	Quarterly Recurring Report to EPA (2023)					[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
158	Submit Quarterly SSO Report 45		5/1/23	100%			5/1/23													
159	Submit Quarterly SSO Report 46		7/31/23	0%						7/31/23										
160	Submit Quarterly SSO Report 47		10/30/23	0%																
166	Semi-Annual Recurring Reporting to EPA			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
274	Submit Semi-Annual Report 22 to EPA		1/31/23	100%		1/31/23														
276	Submit Semi-Annual Report 23 to EPA		7/31/23	0%						7/31/23										
283	Annual Recurring Reporting to EPA/EPD			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
348	Submit Annual Report 11 to EPA		3/1/23	100%			3/1/23													
357	MLF Projects Reporting			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
363	Submit MLF Projects 2023 Report to EPA/EPD		2/1/23	100%		2/1/23														
711	1. Contingency and Emergency Response Plan (CERP)			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
718	Training			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
719	Conduct CERP refresher training (153 DWM staff in 1H23)			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
720	Conduct SSO training regarding identification and reporting requirements (575 County staff in 1H23)			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
721	Continue monthly first responder training relating to CERP & operational policies and procedures			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
722	Conduct CERP training to contractor personnel involved with CD-related projects (252 Contractor staff in 1H23)			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
723	Community Awareness			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
724	Continue to expand social media presence for spill reporting			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
725	Amplify community awareness and educational efforts relating to FOG (500,000 Fliers distributed directly to community and 82 posts made reaching 27,000 community members in 1H23)			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
726	Corrective Actions			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														
727	Report private property SSOs to the property owner and Health Dept as necessary (2 warnings and 10 citations in 1H23).			Ongoing		[Gantt bars for J, F, M, A, M, J, J, A, S, O, N, D]														

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023											
						J	F	M	A	M	J	J	A	S	O	N	D
728	Continue to monitor and coordinate areas for follow up cleaning or rehabilitation (6,635 lf cleaned in 1H23)			Ongoing		[Progress bar: 100% complete]											
729	Implement revisions to identification and reporting of inflow and infiltration and storm event caused SSO's. This includes training, updating Cityworks and reporting documentation			Ongoing		[Progress bar: 100% complete]											
730	Strengthen focus on proper identification of the root cause, short term and long term solutions of SSO's			Ongoing		[Progress bar: 100% complete]											
731	Address long term solutions to maintenance related SSO's by implementing root control and cleaning asset management programs			Ongoing		[Progress bar: 100% complete]											
732	2. Fats, Oils and Grease (FOG) Management Program			Ongoing		[Progress bar: 100% complete]											
733	Community Education			Ongoing		[Progress bar: 100% complete]											
734	Sponsor public outreach with FOG info (sponsored 14 outdoor events reaching 2,200 citizens 1H23)			Ongoing		[Progress bar: 100% complete]											
735	Sponsor school outreach with "No FOG, No Clog" info. Conducted school events with focus on FOG's impact to sewer system (hosted 10 school events and made 55 presentations; reaching 5,200 students in 1H23)			Ongoing		[Progress bar: 100% complete]											
738	Program Compliance and Enforcement			Ongoing		[Progress bar: 100% complete]											
739	Perform FOG interceptor inspections on food service establishments (4,786 in 1H23)			Ongoing		[Progress bar: 100% complete]											
740	Issue FOG interceptor warning citations requiring compliance (725 in 1H23)			Ongoing		[Progress bar: 100% complete]											
741	Issue FOG interceptor permits (1,492 in 1H23)			Ongoing		[Progress bar: 100% complete]											
742	Issue FOG interceptor court summons (30 Summons issued In 1H23 with 4 Cases pending for non compliance)			Ongoing		[Progress bar: 100% complete]											
743	Program Statistics			Ongoing		[Progress bar: 100% complete]											
744	Food service haulers remove fats, oil and grease (3.4 MG in 1H23)			Ongoing		[Progress bar: 100% complete]											
745	FOG information packets and brochures were mailed with all FOG permits issued to each FSE (1,492 in 1H23)			Ongoing		[Progress bar: 100% complete]											
746	Placed multifamily complexes under enforcement for violations related to FOG ordinance regulating spills (0 multifamily violations in 1H23)			Ongoing		[Progress bar: 100% complete]											
749	3. Sewer Mapping Program			Ongoing		[Progress bar: 100% complete]											
750	Data Input and Quality Control			Ongoing		[Progress bar: 100% complete]											

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023											
						J	F	M	A	M	J	J	A	S	O	N	D
751	Continue to populate Geographic Information System (GIS) map layer for sanitary sewer easements to provide access locations for maintenance assets (39 easements were identified from drawings and subdivision plats and added to GIS layer in 1H23)			Ongoing		[Progress bar: 100% complete]											
752	Continue updates to sewer mapping GIS to reflect new developments, connectivity issues, system improvements and maintenance revisions. Continue adding assets to maintenance management system program for maintenance and evaluation			Ongoing		[Progress bar: 100% complete]											
753	System Enhancements			Ongoing		[Progress bar: 100% complete]											
755	Create specific online maps and applications to support specific tasks and projects			Ongoing		[Progress bar: 100% complete]											
756	Create as-built database to ensure GIS is updated in relationship to projects			Ongoing		[Progress bar: 100% complete]											
757	Continue to produce maps of sewer assets for field operations that include linear assets and easements			Ongoing		[Progress bar: 100% complete]											
758	Create an online web application gallery for use by Project Managers and team members			Ongoing		[Progress bar: 100% complete]											
760	4. Collection and Transmission Systems (C&TS) Training Program			Ongoing		[Progress bar: 100% complete]											
764	Continue to generate monthly training reports for superintendents and managers and quarterly for executive management staff to schedule training for personnel			Ongoing		[Progress bar: 100% complete]											
765	Implement updated training program utilizing training matrix, training calendar and compliance suite software (3,307 hours of training performed in 1H23)			Ongoing		[Progress bar: 100% complete]											
766	Knowledge Officer & Supervisors work to document & schedule training as described in program			Ongoing		[Progress bar: 100% complete]											
767	5. System-Wide Flow & Rainfall Monitoring Program			Ongoing		[Progress bar: 100% complete]											
979	Flow Monitoring Program - Management			Ongoing		[Progress bar: 100% complete]											
981	Install manhole mounted infiltration/inflow monitoring system			Ongoing		[Progress bar: 100% complete]											
985	Implement an audit program to quantify and track flow monitoring data			Ongoing		[Progress bar: 100% complete]											
986	Install modems into flow monitors (40 in 1H23)			Ongoing		[Progress bar: 100% complete]											

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023											
						J	F	M	A	M	J	J	A	S	O	N	D
987	Continue calibration and maintenance of flow monitoring and rain gauge network (319 flow monitor calibrations and 238 rain gauge maintenance visits performed in 1H23)			Ongoing		[Progress bar]											
988	Continue QA/QC regarding flow monitoring and rain gauge data			Ongoing		[Progress bar]											
989	Flow Monitoring Program - CMOM Support			Ongoing		[Progress bar]											
990	DWM places temporary monitors in system to determine available sewer capacity for specific projects			Ongoing		[Progress bar]											
991	Collect data to support multiple CMOM projects			Ongoing		[Progress bar]											
992	6. Infrastructure Acquisitions Program			Ongoing		[Progress bar]											
993	Infrastructure Acquisitions Program			Ongoing		[Progress bar]											
994	Evaluate/Inspect wastewater pipe (36,722 lf in 1H23)			Ongoing		[Progress bar]											
995	Review lift station acquisitions as required (0 in 1H23)			Ongoing		[Progress bar]											
996	Complete wastewater plan reviews of buildings (650 in 1H23)			Ongoing		[Progress bar]											
997	Complete wastewater plan reviews of land disturbances (135 in 1H23)			Ongoing		[Progress bar]											
998	Complete final plat reviews (15 in 1H23)			Ongoing		[Progress bar]											
999	Complete FOG building reviews (278 In 1H23)			Ongoing		[Progress bar]											
1000	Complete backflow reviews for building and LDP (577 in 1H23)			Ongoing		[Progress bar]											
1001	Review sewer capacity requests (232 received in 1H23)			Ongoing		[Progress bar]											
1002	Issue capacity request letters (80 in 1H23 with an additional 102 conditional letters)			Ongoing		[Progress bar]											
1003	Sewer capacity requests (25 canceled in 1H23)			Ongoing		[Progress bar]											
1007	Continue to review projects converting from septic to sewer			Ongoing		[Progress bar]											
1008	Continue to review final plats, as-builts and sewer easements for acceptance			Ongoing		[Progress bar]											
1009	Continue providing customer service to applicants/citizens requesting assistance			Ongoing		[Progress bar]											
1012	Streamline capacity allotment process with cities' permitting procedures			Ongoing		[Progress bar]											
1016	Implementation of I/I Sewer Credit Bank as a potential alternative for processing sewer capacity approvals			Ongoing		[Progress bar]											
1017	7. System-Wide Hydraulic Model			Ongoing		[Progress bar]											

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023																
						J	F	M	A	M	J	J	A	S	O	N	D					
1018	These subtasks will be performed countywide and not under specific basin					Ongoing																
1056	Ongoing Maintenance and Support					Ongoing																
1057	Continued to update seven (7) dynamic model networks covering the countywide sewer system with the latest County GIS and field survey data					Ongoing																
1058	Verify model calibration with current flow monitoring data					Ongoing																
1059	Supported systemwide Flow and Rainfall Monitoring program					Ongoing																
1063	Support through Design and Construction					Ongoing																
1064	Used the dynamic model as required to evaluate ongoing CIP project designs and future alternatives					Ongoing																
1065	Prepare model packages in response to RFI's from designers and contractors					Ongoing																
1383	8. Priority Areas Sewer Assessment and Rehabilitation Program (PASARP)					Ongoing																
1655	Design/Build Contract 2 - Package 2	1/12/18	7/28/23		12/31/21																	
1664	DB2 Construction	4/16/18	7/28/23																			
1669	Proj 05 - Nancy Creek Branch 1	2/26/19	6/7/23	100%																	6/7/23	
1681	Substantial Completion	6/7/23	6/7/23	100%																	6/8/23	
1682	Final Completion	6/8/23	7/28/23	30%																	7/28/23	
1683	Design/Build Contract 3 - Package 3	10/25/18	3/29/24																			
1692	DB3 Construction	8/1/19	3/29/24																			
1693	Proj 01 - 3597 Sunderland Circle, 1083 Wimberly Rd, A-IG4 (EPA, OSARP SSO)	8/1/19	3/29/24	65%	12/20/27																	
1696	Proj 04 - 854 Sheppard Rd (OSARP SSO)	10/17/19	12/29/23	75%	12/20/27																	
1697	Proj 04 - A-SF2 (OSARP SSO)	10/17/19	12/29/23	75%	12/20/27																	
1698	Proj 05 - Snapfinger Woods Dr (OSARP SSO)	8/29/19	2/23/23	100%	12/31/21																2/23/23	
1701	Substantial Completion	12/4/23	3/29/24	0%																		
1739	Annual Construction Contracts 1-2 (includes approved change order)	8/8/19	1/31/23	100%	12/20/27																1/31/23	
1740	Annual Construction Contracts 3-4 (includes approved change order)	8/8/19	1/31/23	100%	12/20/27																1/31/23	
1741	On Call Water and Sewer Contract 2022	1/2/23	9/22/25		9/22/25																	
1742	GS Construction	1/2/23	9/22/25																			

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023											
						J	F	M	A	M	J	J	A	S	O	N	D
1786	30% Package	10/20/22	3/1/23	100%		3/1/23											
1787	60% Package	3/2/23	7/12/23	80%		7/12/23											
1788	90% Package	7/13/23	11/13/23	0%		11/13/23											
1789	100% Bid Package	11/14/23	2/2/24	0%													
1791	Design - Section 3	10/3/22	5/8/24														
1792	30% Package	10/3/22	3/1/23	100%		3/1/23											
1793	60% Package	3/2/23	7/12/23	80%		7/12/23											
1794	90% Package	7/13/23	11/13/23	0%		11/13/23											
1795	100% Bid Package	11/14/23	2/7/24	0%													
1797	Easements / ROE / Public Outreach	11/27/23	12/6/24														
1798	Easements / ROE / Public Outreach	11/27/23	12/6/24	0%													
1992	Cobb Fowler Trunks	9/28/22	7/2/24														
1993	Design	9/28/22	7/2/24														
1994	NTP Design	9/28/22	1/23/23	100%		1/23/23											
1995	BODR	5/8/23	8/11/23	0%		8/11/23											
1996	30% Package	8/14/23	10/31/23	0%		10/31/23											
1997	60% Package	11/1/23	2/7/24	0%													
2001	Doolittle/Blue/Sugar Trunks	9/28/22	7/15/24														
2002	Design	9/28/22	7/15/24														
2004	BODR	5/3/23	9/20/23	10%		9/20/23											
2005	30% Package	9/21/23	12/12/23	0%		12/12											
2006	60% Package	12/13/23	2/8/24	0%													
2010	NFPC/SFPC/Intrenchment (DeKalb only) Trunks	9/28/22	8/26/24														
2011	Design	9/28/22	8/26/24														
2013	BODR	3/8/23	5/31/23	100%		5/31/23											
2014	30% Package	6/1/23	10/10/23	0%		10/10/23											
2015	60% Package	10/11/23	2/27/24	0%													
2019	Upper Snapfinger Trunks	9/28/22	7/30/24														
2020	Design	9/28/22	7/30/24														
2022	BODR	3/6/23	8/16/23	30%		8/16/23											
2023	30% Package	8/17/23	10/16/23	0%		10/16/23											
2024	60% Package	10/17/23	1/16/24	0%													

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023														
						J	F	M	A	M	J	J	A	S	O	N	D			
2028	Snapfinger Wet Weather Tanks	2/26/21	3/5/26																	
2032	Snapfinger West (Shoal Creek) Tank	10/23/20	1/10/24																	
2033	Tank Siting Study	10/23/20	5/24/23																	
2039	Bridging Documents	12/16/21	5/24/23	100%																
2040	NEPA Process	12/16/21	5/24/23	100%																
2041	Easements / ROE / Public Outreach	6/13/23	11/27/23																	
2042	Easements / ROE / Public Outreach	6/13/23	11/27/23	0%																
2057	Snapfinger East Tank	8/19/22	4/17/24																	
2058	Tank Siting Study	8/19/22	5/12/23																	
2060	Bridging Documents	8/19/22	5/12/23	100%																
2061	NEPA Process	8/19/22	5/12/23	100%																
2062	Easements / ROE / Public Outreach	8/25/23	4/17/24																	
2063	Easements / ROE / Public Outreach	8/25/23	4/17/24	0%																
2069	Priority Areas - Assessment and Rehabilitation		12/20/27		12/20/27															
2070	Priority Areas	11/1/15	12/20/27																	
2073	I-G1 -Winters Chapel Rd at Homeland Drive	3/1/16	12/29/23	65%																
2074	I-G2 -Carver Circle	3/1/16	12/29/23	40%																
2075	I-G3 -Ashford Dunwoody-Nancy Creek	3/1/16	12/29/23	90%																
2076	I-G4 -North Peachtree-North Shallowford	3/1/16	12/29/23	90%																
2077	I-G5 -Oakcliff Road	11/1/15	12/29/23	75%																
2078	I-G6 -City of Chamblee	1/4/16	12/31/24	65%																
2079	I-G7 -Embry Circle Pipe Bursting	1/4/16	12/31/24	75%																
2080	I-G8 -Embry Circle Relining	1/4/16	12/29/23	90%																
2081	I-G9 -Windsor Parkway	3/1/16	12/29/23	50%																
2082	I-G10 -Drew Valley Road subdivisions	1/4/21	12/29/23	60%																
2083	I-G11 -Skyland Road	1/4/21	12/29/23	75%																
2084	I-G12 -Henderson Mill Rd	1/4/21	12/31/24	60%																
2085	I-G13 -Area contributing to TSFORK 5 monitor	1/2/16	12/20/27	25%																
2086	I-G14 -Briarcliff Rd	1/4/16	12/29/23	70%																
2088	I-G16 -Lavista Rd-Clairmont Rd-Houston Mill Rd	1/4/16	12/20/27	70%																
2089	I-G17 -North DeKalb Mall area	1/4/16	12/29/23	40%																
2090	I-G18 -Scott Blvd-Clairmont Rd	1/4/16	12/20/27	70%																

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023											
						J	F	M	A	M	J	J	A	S	O	N	D
2328	Blue Creek	8/12/19	12/29/23	76%		[Progress bar]											
2329	Intrenchment Creek	3/25/16	12/29/23	90%		[Progress bar]											
2330	Nancy Creek	2/8/16	12/29/23	46%		[Progress bar]											
2332	South Fork Peachtree Creek	4/11/16	12/29/23	65%		[Progress bar]											
2333	Barbashela Creek	2/5/16	12/29/23	88%		[Progress bar]											
2334	Lower Snapfinger Creek	1/5/17	12/29/23	95%		[Progress bar]											
2335	Peavine Creek	5/4/16	12/29/23	81%		[Progress bar]											
2336	North Fork Peachtree Creek	2/5/16	12/29/23	65%		[Progress bar]											
2337	Conley Creek	5/3/17	4/4/23	100%		[Progress bar] 4/4/23											
2338	Cobb Fowler	6/3/16	12/29/23	96%		[Progress bar]											
2339	Smoke Testing (655,723 If in 1H23)		12/29/23			[Progress bar]											
2346	Blue Creek	6/1/18	12/29/23	89%		[Progress bar]											
2347	North Fork Peachtree Creek	2/17/16	2/23/23	100%		[Progress bar] 2/23/23											
2348	Peavine Creek	5/26/16	12/29/23	91%		[Progress bar]											
2349	Intrenchment Creek	5/5/16	12/29/23	97%		[Progress bar]											
2350	Nancy Creek	2/7/16	12/29/23	67%		[Progress bar]											
2351	Upper Snapfinger Creek	4/1/16	12/29/23	98%		[Progress bar]											
2352	South Fork Peachtree Creek	3/8/16	12/29/23	94%		[Progress bar]											
2353	Barbashela Creek	3/8/16	12/29/23	98%		[Progress bar]											
2354	Lower Snapfinger Creek	10/31/16	12/29/23	98%		[Progress bar]											
2356	Manhole Condition Assessments (MCA) (1,532 each in 1H23)		12/31/24			[Progress bar]											
2361	Lucky Shoals Creek	11/21/16	12/31/24	97%		[Progress bar]											
2363	Ball Mill Creek	6/18/21	2/14/23	100%		[Progress bar] 2/14/23											
2364	Crooked Creek	9/14/21	12/31/24	14%		[Progress bar]											
2365	Honey Creek	6/22/16	12/31/24	24%		[Progress bar]											
2366	Johnson Creek	6/7/16	12/29/23	91%		[Progress bar]											
2367	Lower Crooked Creek	5/29/17	12/29/23	52%		[Progress bar]											
2368	Peavine Creek	1/19/16	12/29/23	87%		[Progress bar]											
2369	Intrenchment Creek	4/1/16	12/29/23	96%		[Progress bar]											
2371	South Fork Peachtree Creek	1/15/16	12/29/23	64%		[Progress bar]											
2372	Barbashela Creek	3/3/16	12/29/23	91%		[Progress bar]											
2373	Lower Snapfinger Creek	6/5/19	12/29/23	90%		[Progress bar]											

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023												
						J	F	M	A	M	J	J	A	S	O	N	D	
2374	North Fork Peachtree Creek	10/27/15	5/10/23	100%		5/10/23												
2421	Capacity Restoration (Large Diameter) - OSARP Projects		12/31/24															
2424	Capacity Restoration - OSARP Projects		12/31/24															
2442	TISCIT Inspections/Surveys (Raw Data) (17.14 miles in 1H23)		12/30/23															
2444	Upper Snapfinger Creek	11/28/16	1/3/23	100%		1/3/23												
2445	North Fork Peachtree Creek	11/7/16	12/29/23	97%														
2446	Conley Creek	2/5/18	4/25/23	100%		4/25/23												
2451	Indian Creek	3/1/17	12/29/23	97%														
2452	Polebridge Creek	2/28/17	12/29/23	93%														
2454	Intrenchment Creek	7/23/18	12/29/23	95%														
2458	Ball Mill Creek	10/15/18	12/29/23	99%														
2459	Lower Stone Mountain Creek	10/30/18	12/29/23	97%														
2462	Honey Creek	3/4/17	12/29/23	98%														
2463	Doolittle Creek	2/22/17	12/29/23	95%														
2466	Large Diameter Cleaning (Raw Data) (87 tons in 1H23)		12/31/24															
2467	Nancy Creek Sewershed_90	9/20/17	12/31/24	24%														
2468	Conley Creek_78	6/11/18	12/31/24	17%														
2469	Lower Snapfinger Creek_50	6/1/18	12/31/24	10%														
2470	Upper Snapfinger Creek_36	2/27/18	12/31/24	36%														
2471	North Fork Peachtree Creek_101	4/4/18	12/31/24	30%														
2472	Upper Crooked Creek_1	6/3/19	12/31/24	3%														
2473	South Fork Peachtree Creek	8/7/18	12/31/24	23%														
2474	Peavine Creek_25	2/9/17	12/31/24	12%														
2475	Indian Creek_3	3/1/19	12/31/24	51%														
2476	Polebridge Creek_109	7/1/16	12/31/24	16%														
2477	Intrenchment Creek_37	11/7/17	12/31/24	22%														
2478	Shoal Creek_Melanie Court_3	3/1/19	12/31/24	7%														
2481	Sugar Creek_12	5/3/19	12/31/24	5%														
2482	Ball Mill Creek_6	6/3/19	12/31/24	49%														
2483	Lower Stone Mountain Creek_20	6/3/19	12/31/24	1%														
2484	Barbashela Creek_23	4/15/19	12/31/24	4%														
2485	Lower Crooked Creek_14	4/1/19	12/31/24	17%														

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023														
						J	F	M	A	M	J	J	A	S	O	N	D			
2486	Doolittle Creek_28	3/2/20	12/31/24	13%																
2487	Crooked Creek_19	3/2/20	12/31/24	9%																
2488	Honey Creek_20	3/2/20	12/31/24	5%																
2489	Corn Creek_8	3/2/20	12/31/24	0%																
2491	Manhole Condition Assessments (0 each in 1H23)		12/31/24																	
3911	10. Maintenance Management System (MMS)			Ongoing																
3912	Address maintenance related to SSO's by cleaning small diameter pipe of 15 inches or smaller (261 miles in 1H23), chemically treating roots in sewer mains (67 miles in 1H23) and clearing easements (62 linear miles in 1H23)			Ongoing																
3913	Perform sewer creek crossing inspection of pipes requiring a revisit within a year (1,193 inspections in 1H23)			Ongoing																
3914	Notify property owners of deficiencies with their private sewer laterals discovered by PASARP smoke testing. Requested owners fix defects & respond with proof of completion (208 letters sent, 213 repairs completed on laterals and clean out caps in 1H23)			Ongoing																
4450	Task #06 Document Management		5/1/14																	
4452	Continuous Document Control			Ongoing																
4471	Implement Final QMP			Ongoing																
4652																				
4654	Grouped by Work Breakdown Structure (WBS) :																			
4655	Task																			
4656	Subtask																			
4657	Group																			
4658	Package or Subgroup																			
4659	Subpackage																			
4660	Service																			
4663																				
4664	Acronyms :																			
4665	AE - Architectural Engineer or Design Consultant																			
4666	BOC - Board of Commissioners																			
4667	CD - Consent Decree																			
4668	CDPMT - Consent Decree Program Management Team																			
4669	CERP - Contingency and Emergency Response Plan																			

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023														
						J	F	M	A	M	J	J	A	S	O	N	D			
4670	CMOM - Capacity, Management, Operations, and Maintenance																			
4671	D/B - Design Build																			
4672	DWM - Department of Watershed Management																			
4673	EPA - US Environmental Protection Agency																			
4674	FOG - Fats, Oils & Grease																			
4675	GIS - Geographic Information System																			
4676	If - linear feet																			
4677	LS - Lift Station																			
4678	NTP - Notice to Proceed																			
4679	OSARP - Ongoing Sewer Assessment and Rehabilitation Program																			
4680	PASARP - Priority Area Sewer Assessment and Rehabilitation Program																			
4681	P&C - Purchasing & Contracting																			
4682	QA - Quality Assurance																			
4683	QC - Quality Check																			
4684	RFP - Request for Proposal																			
4685	SSO - Sanitary Sewer Overflow																			
4686	TISCIT - Totally Integrated Sonar and Camera Inspection Technology																			