



## Office of the Chief Executive Officer

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*Via Electronic Mail and U.S. Mail*  
January 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  
January 31, 2023 – 22nd 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:

- January 31, 2023 — 22nd 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

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# Semi-Annual Report No. 22

July 1, 2022, to December 31, 2022

Civil Action No. 1:10cv4039 - SDG

**DeKalb County  
Department of Watershed Management**



DeKalb County  
G E O R G I A



January 30, 2023

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## 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 <sup>2</sup>	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 22nd 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 second 6 months of 2022, and several projects and activities are projected to be implemented in the first 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 second half of 2022, 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**

<b>CD No.</b>	<b>Title</b>	<b>DWM Submittal for Review</b>
<b>IX. (56)</b>	<b>Quarterly Report</b>	<b>July 30, 2022</b>
<b>IX. (57)</b>	<b>21st Semi-Annual Report</b>	<b>July 30, 2022</b>
<b>IX. (56)</b>	<b>Quarterly Report</b>	<b>October 30, 2022</b>
<b>IX. (56)</b>	<b>Quarterly Report</b>	<b>January 30, 2023</b>
<b>IX. (57)</b>	<b>22nd Semi-Annual Report</b>	<b>January 30, 2023</b>
<b>VI. (35)</b>	<b>2023 Minimum Linear Footage of Pipe Review, Design, and Rehabilitation Report</b>	<b>February 1, 2023</b>
<b>IX. (57)</b>	<b>11th Annual Report</b>	<b>March 1, 2023</b>
<b>IX. (56)</b>	<b>Quarterly Report</b>	<b>April 30, 2023</b>

## 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 7/1/2022 to 12/31/2022

- 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 388 (online) personnel in divisions of DWM. New DWM employees were trained in CERP during New Employee Orientation.
  - b. Provided training to 644 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 a potential SSO.)
  - c. Conducted CERP training for 201 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 400,000 FOG educational fliers were distributed by Nextdoor directly to the community. Social media communication posts were used more frequently because of the pandemic; 112 posts were made each on Facebook and Twitter, reaching nearly 26,453 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 12,478 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.

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 1/1/2023 to 6/30/2023**

- 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 COVID-19 safety protocols. All personnel are required to attend training yearly. Anticipate training of approximately 640 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 COVID-19 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 to work with a team focused on distributing fliers, including virtually through Nextdoor, and attending community events. 102 social media posts are currently planned to inform at least 29,700 community members about FOG, wipes, sewer laterals, and to provide general SSO information.
  - b. Continue community awareness and distribute over 350,000 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 7/1/2022 to 12/31/2022**

- i) To prevent FOG from entering the collection system, the following education efforts were executed (refer to Gantt chart lines 734–735).
  - a. Sponsored 2 outdoor community events reaching approximately 5,500 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. 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 22 FOG presentations reaching approximately 8,200 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: 3,797. 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: 531. 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: 1,136. 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: 79
    - i. A total of 3 cases are pending for noncompliance with the ordinance.
- iii) Program statistics (refer to Gantt chart lines 744–746)
  - a. More than 3.1 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 due to the ongoing COVID-19 pandemic.

**b) Projects and Activities Anticipated for the Reporting Period 1/1/2023 to 6/30/2023**

- i) Community Education (refer to Gantt chart lines 734–735)
  - a. Continue communication with County residents and customers as part of the Public Education Program through contacts with community groups and organizations aiding new residents to DeKalb County. Two outdoor community events are planned and aimed at reaching at least 10,000 community members.
  - b. Continue FOG education programs in DeKalb County schools, as conditions allow per COVID-19 safety protocols. Fifteen FOG presentations are currently planned at DeKalb County Schools to reach at least 4,500 students.

- ii) Program Compliance and Enforcement (refer to Gantt chart lines 739–742)
  - a. Conduct after-hours inspections at night clubs biannually.
  - b. Increase total FOG inspections by 10 to 12%.
  - c. Obtain adequate vehicles and equipment to productively perform job duties.
  - d. Continue to perform inspections of FSEs and issue citations for noncompliance.
  - e. Continue to implement multifamily housing ordinance in FOG Program.
  - 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 7/1/2022 to 12/31/2022**

- 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 43 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 Maintenance Management System 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 1/1/2023 to 6/30/2023**

- 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. Add additional ArcGIS story maps to the DeKalb County website to provide information and educate the public on progress and work being done to projects.
  - c. 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.
  - d. Start the ArcGIS geodatabase project to add lift station and pump station assets 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) and SSO dashboard for wider access across user groups. 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 computerized maintenance management system (CMMS).

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

**a) Projects and Activities Accomplished for the Reporting Period 7/1/2022 to 12/31/2022**

- i) Continue to implement the revised Training Program (2018) using the Training Matrix, and Training Calendar. As of September 1, 2022, DWM has transitioned from using Compliance Suite to CloudVergent 360 (CV360) to track and schedule training. A total of 2,919 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. The COVID-19 pandemic prevented many classes from being held.

- 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 the Compliance Suite software until full transition to CV360 on September 1, 2022.
- 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 Compliance Suite/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: 450 (online)
  - c. Confined Space Awareness: 0
  - d. Department Safety Management Systems: 46
  - e. Emergency Action/Response Plan: 450 (online)
  - f. Employee Rights and Responsibilities: 50
  - g. Ergonomics: 49
  - h. Fire Prevention Plans: 49
  - i. Hazard Communication: 450 (online)
  - j. Medical Services and First Aid: 48
  - k. Personal Protective Equipment: 450 (online)
  - l. Safety Management Division Overview: 52
  - m. Slips, Trips & Falls: 49
  - n. Workplace Violence: 450 (online)

**b) Projects and Activities Anticipated for the Reporting Period 1/1/2023 to 6/30/2023**

- 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 7/1/2022 to 12/31/2022**

- 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 2,438 flow meter maintenance visits including:

- a. 1,115 battery replacements
- b. 268 flow monitor calibrations

- c. 20 new modem installations on existing flow monitors were completed for this period (refer to Gantt chart line 986)

A total of 219 rain gauge maintenance visits were also completed.

- ii) Engaged contractors to support flow monitoring operations and supplement County resources because of the COVID-19 pandemic.
- 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, 1 new temporary meter was installed.
- iv) Removed temporary meters for completed capacity studies and Capital Improvement Program (CIP) projects. For this reporting period, 2 temporary meters were removed.
- 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 the manhole-mounted (I/I) monitoring system (itrackers) in new areas has been temporarily suspended due to lack of resources. Flow monitoring and rain gauge data have been used to identify I/I in place of the I/I monitoring system. Additional location candidates are being identified for future deployments (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 1/1/2023 to 6/30/2023**

- 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 in additional deployment areas (refer to Gantt chart line 981).

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

### **a) Projects and Activities Accomplished for the Reporting Period 7/1/2022 to 12/31/2022**

- i) Evaluated/inspected 8,328 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): 627 (refer to Gantt chart line 996).
- iv) Wastewater plan review (land disturbance): 108 (refer to Gantt chart line 997).
- v) Final plat reviews: 18 (refer to Gantt chart line 998).
- vi) FOG building reviews (Bldg. & land development permit [LDP]): 325 (refer to Gantt chart line 999).
- vii) Backflow reviews (Bldg. & LDP): 522 (refer to Gantt chart line 1000).
- viii) Sewer capacity requests received: 243 (refer to Gantt chart line 1001).
- ix) Capacity letters issued: 120 (refer to Gantt chart line 1002).
- x) Conditional capacity letters issued: 75 (refer to Gantt chart line 1002).
- xi) Sewer capacity requests canceled: 54 (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.

### **b) Projects and Activities Anticipated for the Reporting Period 1/1/2023 to 6/30/2023**

- 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 7/1/2022 to 12/31/2022**

- i) Completed 2022 update of the dynamic model networks with current GIS and survey data for Nancy Creek, South Fork Peachtree Creek and Snapfinger (refer to Gantt chart lines 1065, 1166, and 1218).
- ii) Completed sewer capacity evaluations for capacity requests through November 2022 (refer to Gantt chart line 1019).
- iii) Transferred sewer capacity request models to DeKalb County modeling team and held training workshops.
- iv) Used the dynamic model to evaluate ongoing CIP project designs and future design alternatives.

### **b) Projects and Activities Anticipated for the Reporting Period 1/1/2023 to 6/30/2023**

- i) Continue updating the dynamic model networks with current GIS and survey data (refer to Gantt chart line 1019).
- ii) Continue updating model calibration parameters as necessary.

- iii) Continue using the dynamic model as required to evaluate ongoing CIP project designs and future design alternatives.

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

### **a) Projects and Activities Accomplished for the Reporting Period 7/1/2022 to 12/31/2022**

- i) For Design Build Package No. 2, construction is complete for 15 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 1664–1669). As discussed in Section 8(a)(xiii), the County was unable to complete one of the projects in this package, Nancy Creek Branch 1. Construction has started for the remaining sections of pipe of the Nancy Creek Branch 1 project. The County continues to provide project updates to the United States Environmental Protection Agency (EPA)/EPD.
- ii) For Design Build Package No. 3, construction is complete for 4 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). As discussed in Section 8(a)(xiii), the County was unable to complete one of the projects in this package, Snapfinger Woods. For the final project, Snapfinger Woods, a new alignment has been designed for the remaining sections of pipe to avoid the current area of contaminated soil. Construction has started for the new pipe alignment. The County continues to provide project updates to EPA/EPD.
- iii) Completed design for Rehabilitation Package No. 4. This design package includes capacity improvement projects to mitigate I/I and improve conveyance capacity (refer to Gantt chart line 1720).
- iv) Design for Rehabilitation Package No. 7 is ongoing. This design package includes capacity improvement projects to mitigate I/I and improve conveyance capacity (refer to Gantt chart line 1727).
- v) Annual Construction Contracts 1 through 4 continued lining and point repair construction (refer to Gantt chart line 1739–1740).
- vi) 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, completed construction package No.5 Country Squire project. Continued construction of Package Nos. 5, 7, and 8 projects (refer to Gantt chart lines 1754–1762).
- vii) Continued construction (lining/point repair) for Co-Op Agreement 2 (refer to Gantt chart line 1769).
- viii) Continued construction (lining/point repair) for Co-Op Agreement 3 (refer to Gantt chart line 1770).
- ix) Completed draft design build bridging documentation for Shoal Creek and Snapfinger East wet weather storage tanks (refer to Gantt chart lines 2038 and 2058).
- x) Completed design Request for Proposals (RFP) procurement for Shoal Creek Trunk project. Issued Notice to Proceed (NTP) to consultant. Started development of Basis of Design Report for Shoal Creek Trunk project (refer to Gantt chart lines 1775 - 1778).
- xi) Completed on-call design RFP procurement for various Trunk capacity projects. Issued NTP to 3 of the 5 selected on-call consultants (refer to Gantt chart lines 2003, 2012, and 2021).

- xii) Complex rehabilitation projects completed within Priority Areas I-IG5, I-IG13, I-SF2, and A-IG5. Additional rehabilitation construction on individual assets completed within other priority areas (refer to Gantt chart lines 2071–2117).
- xiii) 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.

Exception Reporting: The County has not completed construction related to two projects listed in Table E-3 of Appendix E in the MCD – Task 32 (Snapfinger Woods Dr.) and Task 36 (Nancy Creek Branch).

Task 32 (Snapfinger Woods Dr) is included in the County’s Design Build Package No. 3. As reported by the County on November 4, 2021, the County was unable to complete this project based on a force majeure event related to unanticipated petroleum impacts in the soil and groundwater at this location. Due to this force majeure event, the contractor was only able to complete 8,821 LF of the total 9,421 LF required for this project but was unable to complete the remaining 600 LF. On December 17, 2021, EPA/EPD agreed that the force majeure event interfered with the County’s ability to complete Task 32. The County continues to provide project updates to EPA/EPD.

Task 36 (Nancy Creek Branch 1) is included within the County’s Design Build Package No. 2. As required by the MCD, the County contracted to have this project completed by December 31, 2021. Although this project was projected to be completed as scheduled, the contractor experienced an unanticipated equipment failure in December 2021, which impacted the contractor’s ability to complete the project by the end of the year. The contractor only informed the County that it would be unable to complete the work in late December 2021. Prior to the equipment failure, the contractor completed 8,735 LF of the total 9,415 LF of pipe replacement required by the project. However, the contractor was unable to complete the remaining 680 LF by December 31, 2021. The County continues to provide project updates to EPA/EPD.

**b) Projects and Activities Anticipated for the Reporting Period 1/1/2023 to 6/30/2023**

- i) Continue construction of projects in Design Build Rehabilitation Package Nos. 2 and 3 (refer to Gantt chart lines 1669–1682 and 1693–1698, respectively).
- ii) For Rehabilitation Package No. 7, complete design of capacity improvement projects (refer to Gantt chart lines 1725–1727).
- 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 1754–1762).
- 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) Start design build procurement for Shoal Creek and Snapfinger East wet weather storage tanks (refer to Gantt chart lines 2045–2048 and 2063–2066).
- viii) Issue NTP to on-call consultants for Cobb Fowler Trunks (refer to Gantt chart line 1994).



- ix) Complete BODR and start design for Shoal Creek Trunk project (refer to Gantt chart lines 1778–1793).
- x) Complete BODR and start design for Cobb Fowler Trunks, Doolittle/Blue/Sugar Trunks, North Fork Peachtree Creek/South Fork Peachtree Creek Trunks, and Upper Snapfinger Trunks (refer to Gantt chart lines 1992–2023).

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

### **a) Projects and Activities Accomplished for the Reporting Period 7/1/2022 to 12/31/2022**

- i) Performed ongoing tiered assessment in OSARP areas. Completed approximately 607,570 LF of smoke testing, 491,040 LF of acoustic inspections, and 3,858 manhole condition assessments (refer to Gantt chart lines 2314–2372).
- ii) Completed approximately 12.86 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 56 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 1/1/2023 to 6/30/2023**

- i) Continue tiered assessment in OSARP areas. Anticipate completing approximately 30 miles of closed-circuit television (CCTV) assessments, 55 miles of smoke testing, 55 miles of acoustic inspections, and 1,500 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 7/1/2022 to 12/31/2022**

- i) To address maintenance-related SSOs (grease, roots, debris, or any combination), the following maintenance activities were completed (refer to Gantt chart line 3910):
  - a. Performed 95 miles of small-diameter (15 inches or smaller) sewer cleaning. This represents 5 percent of the system.
  - b. A total of 43 miles of sanitary sewer mains were treated for roots using chemicals. This represents 1.7 percent of the system.
  - c. A total of 6,237,870 square feet (ft<sup>2</sup>), or approximately 59 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 802 sewer creek crossing inspections for pipes previously identified as needing revisit within a year (refer to Gantt chart line 3911).
- 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 414

letters were sent to property owners. A total of 82 repairs were completed on laterals and cleanout caps (refer to Gantt chart line 3912).

- iv) Sewer Line Rapid Assessment Tool (SL-RAT) acoustic inspection program was suspended due to loss crew. No assessments were made during this reporting period.
- v) Completed analysis of email notification procedures for spill and other CD notices. Implementation is expected later in the year.

**b) Projects and Activities Anticipated for the Reporting Period 1/1/2023 to 6/30/2023**

- i) Perform 270 miles of small-diameter (15 inches or smaller) sewer cleaning (refer to Gantt chart line 3910).
- 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 3910).
- iii) Use easement clearing contract to clear approximately 1,500,000 ft<sup>2</sup> of easements of vegetation to provide access for maintenance and for root control (refer to Gantt chart line 3910).
- 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 3911).

## 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

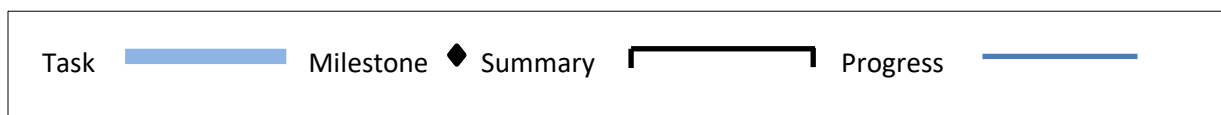
**Finished** - Date the task finished or is projected to finish.

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	A	S	O	N	D	J	F	M	A	M	J			
4	<b>Capacity Management, Operations and Maintenance Programs (CMOM) Update</b>																			
30	<b>0. Consent Decree Reporting</b>				Ongoing															
112	<b>Quarterly SSO Reporting</b>				Ongoing															
152	<b>Quarterly Recurring Report to EPA (2022)</b>																			
154	Submit Quarterly SSO Report 42		7/30/22	100%		7/30/22														
155	Submit Quarterly SSO Report 43		10/30/22	100%			10/30/22													
156	Submit Quarterly SSO Report 44		1/30/23	0%				1/30/23												
157	<b>Quarterly Recurring Report to EPA (2023)</b>																			
158	Submit Quarterly SSO Report 45		4/30/23	0%					4/30/23											
166	<b>Semi-Annual Recurring Reporting to EPA</b>				Ongoing															
272	Submit Semi-Annual Report 21 to EPA		7/30/22	100%		7/30/22														
274	Submit Semi-Annual Report 22 to EPA		1/30/23	0%				1/30/23												
283	<b>Annual Recurring Reporting to EPA/EPD</b>				Ongoing															
348	Submit Annual Report 11 to EPA		3/1/23	0%				3/1/23												
357	<b>MLF Projects Reporting</b>																			
363	Submit MLF Projects 2023 Report to EPA/EPD		2/1/23	0%				2/1/23												
711	<b>1. Contingency and Emergency Response Plan (CERP)</b>				Ongoing															
718	<b>Training</b>				Ongoing															
719	Conduct CERP refresher training (388 DWM staff in 2H22)				Ongoing															
720	Conduct SSO training regarding identification and reporting requirements (644 County staff in 2H22)				Ongoing															
721	Continue monthly first responder training relating to CERP & operational policies and procedures				Ongoing															
722	Conduct CERP training to contractor personnel involved with CD-related projects (201 Contractor staff in 2H22)				Ongoing															
723	<b>Community Awareness</b>				Ongoing															
724	Continue to expand social media presence for spill reporting				Ongoing															
725	Amplify community awareness and educational efforts relating to FOG (400,000 fliers distributed directly to community and 112 posts made reaching 26,453 community members in 2H22)				Ongoing															
726	<b>Corrective Actions</b>				Ongoing															

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023																		
						J	A	S	O	N	D	J	F	M	A	M	J							
728	Continue to monitor and coordinate areas for follow up cleaning or rehabilitation (12,478 lf cleaned in 2H22)			Ongoing																				
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																				
730	Strengthen focus on proper identification of the root cause, short term and long term solutions of SSO's			Ongoing																				
731	Address long term solutions to maintenance related SSO's by implementing root control and cleaning asset management programs			Ongoing																				
732	<b>2. Fats, Oils and Grease (FOG) Management Program</b>			<b>Ongoing</b>																				
733	<b>Community Education</b>			<b>Ongoing</b>																				
734	Sponsor public outreach with FOG info (sponsored 2 outdoor event reaching 5,500 citizens 2H22)			Ongoing																				
735	Sponsor school outreach with "No FOG, No Clog" info. Conducted school events with focus on FOG's impact to sewer system (hosted 22 presentations reaching approximately 8,200 students and adults in 2H22)			Ongoing																				
738	<b>Program Compliance and Enforcement</b>			<b>Ongoing</b>																				
739	Perform FOG interceptor inspections on food service establishments (3,797 in 2H22)			Ongoing																				
740	Issue FOG interceptor warning citations requiring compliance (531 in 2H22)			Ongoing																				
741	Issue FOG interceptor permits (1,136 in 2H22)			Ongoing																				
742	Issue FOG interceptor court summons (79 summons issued in 2H22 with 3 cases pending for non compliance)			Ongoing																				
743	<b>Program Statistics</b>			<b>Ongoing</b>																				
744	Food service haulers remove fats, oil and grease (3.1 MG in 2H22)			Ongoing																				
746	Placed multifamily complexes under enforcement for violations related to FOG ordinance regulating spills (0 multifamily violations in 2H22)			Ongoing																				
749	<b>3. Sewer Mapping Program</b>			<b>Ongoing</b>																				
750	<b>Data Input and Quality Control</b>			<b>Ongoing</b>																				
751	Continue to populate Geographic Information System (GIS) map layer for sanitary sewer easements to provide access locations for maintenance assets (43 easements were identified from drawings and subdivision plats and added to GIS layer in 2H22)			Ongoing																				

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023																				
						J	A	S	O	N	D	J	F	M	A	M	J									
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																						
753	<b>System Enhancements</b>			Ongoing																						
755	Create specific online maps and applications to support specific tasks and projects			Ongoing																						
756	Create as-built database to ensure GIS is updated in relationship to projects			Ongoing																						
757	Continue to produce maps of sewer assets for field operations that include linear assets and easements			Ongoing																						
758	Create an online web application gallery for use by Project Managers and team members			Ongoing																						
760	<b>4. Collection and Transmission Systems (C&amp;TS) Training Program</b>			Ongoing																						
764	Continue to generate monthly training reports for superintendents and managers and quarterly for executive management staff to schedule training for personnel			Ongoing																						
765	Implement updated training program utilizing training matrix, training calendar and compliance suite software (2,919 hours of training performed in 2H22)			Ongoing																						
766	Knowledge Officer & Supervisors work to document & schedule training as described in program			Ongoing																						
767	<b>5. System-Wide Flow &amp; Rainfall Monitoring Program</b>			Ongoing																						
979	<b>Flow Monitoring Program - Management</b>			Ongoing																						
981	Install manhole mounted infiltration/inflow monitoring system			Ongoing																						
985	Implement an audit program to quantify and track flow monitoring data			Ongoing																						
986	Install modems into flow monitors (20 in 2H22)			Ongoing																						
987	Continue calibration and maintenance supporting monthly averages (308 flow monitors and 41 rain gauges in 2H22)			Ongoing																						
988	Continue QA/QC regarding flow monitoring and rain gauge data			Ongoing																						
989	<b>Flow Monitoring Program - CMOM Support</b>			Ongoing																						
990	DWM places temporary monitors in system to determine available sewer capacity for specific projects			Ongoing																						
991	Collect data to support multiple CMOM projects			Ongoing																						
992	<b>6. Infrastructure Acquisitions Program</b>			Ongoing																						
993	<b>Infrastructure Acquisitions Program</b>			Ongoing																						

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023													
						J	A	S	O	N	D	J	F	M	A	M	J		
994	Evaluate/inspect wastewater pipe ( 8,328 lf in 2H22)			Ongoing															
995	Review lift station acquisitions as required (0 in 2H22)			Ongoing															
996	Complete wastewater plan reviews of buildings (627 in 2H22)			Ongoing															
997	Complete wastewater plan reviews of land disturbances (108 in 2H22)			Ongoing															
998	Complete final plat reviews (18 in 2H22)			Ongoing															
999	Complete FOG building reviews (325 In 2H22)			Ongoing															
1000	Complete backflow reviews for building and LDP (522 in 2H22)			Ongoing															
1001	Review sewer capacity requests (243 received in 2H22)			Ongoing															
1002	Issue capacity requests (120 in 2H22 including 299 conditional)			Ongoing															
1003	Sewer capacity requests (54 canceled in 2H22)			Ongoing															
1007	Continue to review projects converting from septic to sewer			Ongoing															
1008	Continue to review final plats, as-builts and sewer easements for acceptance			Ongoing															
1009	Continue providing customer service to applicants/citizens requesting assistance			Ongoing															
1012	Streamline capacity allotment process with cities' permitting procedures			Ongoing															
1016	Implementation of I/I Sewer Credit Bank as a potential alternative for processing sewer capacity approvals	2/14/22		Ongoing															
1017	<b>7. System-Wide Hydraulic Model</b>			<b>Ongoing</b>															
1018	County Use of Dynamic Model for Capacity Requests			Ongoing															
1019	County using dynamic model for capacity request reviews			Ongoing															
1020	Dynamic Model Development - Nancy Creek		9/30/22																
1063	Ongoing Maintenance and Support																		
1065	Update hydraulic model with current GIS/survey data	9/1/21	9/30/22	100%															
1116	Dynamic Model Development - South Fork Peachtree Creek		9/30/22																
1164	Ongoing Maintenance and Support																		
1166	Update hydraulic model with current GIS/survey data	9/1/21	9/30/22	100%															
1167	Dynamic Model Development - Snapfinger		6/30/22																
1216	Ongoing Maintenance and Support																		
1218	Update hydraulic model with current GIS/survey data	7/1/21	12/30/22	100%															
1383	<b>8. Priority Areas Sewer Assessment and Rehabilitation Program (PASARP)</b>			<b>Ongoing</b>															
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																

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023											
						J	A	S	O	N	D	J	F	M	A	M	J
1669	Proj 05 - Nancy Creek Branch 1	2/26/19	4/28/23	90%		[Progress bar from 2/26/19 to 4/28/23]											
1681	Substantial Completion	3/1/23	4/28/23	0%		[Progress bar from 3/1/23 to 4/28/23]											
1682	Final Completion	5/2/23	7/28/23	0%		[Progress bar from 5/2/23 to 7/28/23]											
1683	<b>Design/Build Contract 3 - Package 3</b>	<b>10/25/18</b>	<b>3/29/24</b>			[Progress bar from 10/25/18 to 3/29/24]											
1692	<b>DB3 Construction</b>	<b>8/1/19</b>	<b>3/29/24</b>			[Progress bar from 8/1/19 to 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	[Progress bar from 8/1/19 to 3/29/24]											
1696	Proj 04 - 854 Sheppard Rd (OSARP SSO)	10/17/19	12/29/23	70%	12/20/27	[Progress bar from 10/17/19 to 12/29/23]											
1697	Proj 04 - A-SF2 (OSARP SSO)	10/17/19	12/29/23	70%	12/20/27	[Progress bar from 10/17/19 to 12/29/23]											
1698	Proj 05 - Snapfinger Woods Dr (OSARP SSO)	8/29/19	2/28/23	90%	12/31/21	[Progress bar from 8/29/19 to 2/28/23]											
1720	Annual AE Contract 1 - Package 4 {Design Only}	1/21/22	12/30/22	100%		[Progress bar from 1/21/22 to 12/30/22]											
1721	Annual AE Contract 3 - Package 7 {Design Only}	10/1/18	12/30/22	100%		[Progress bar from 10/1/18 to 12/30/22]											
1724	Priority 1 Projects (Components 2, 6, 10, 11)	1/3/19	12/30/22	100%		[Progress bar from 1/3/19 to 12/30/22]											
1725	Priority 1A Projects (Component 8)	1/3/19	9/8/22	100%		[Progress bar from 1/3/19 to 9/8/22]											
1726	Priority 2 Projects (Components 1, 3, 4)	1/3/19	12/30/22	100%		[Progress bar from 1/3/19 to 12/30/22]											
1727	Priority 3 Projects (Components 5, 7, 9)	1/3/19	12/30/22	100%		[Progress bar from 1/3/19 to 12/30/22]											
1739	Annual Construction Contracts 1-2 (includes approved change order)	8/8/19	3/31/23	90%	12/20/27	[Progress bar from 8/8/19 to 3/31/23]											
1740	Annual Construction Contracts 3-4 (includes approved change order)	8/8/19	3/31/23	90%	12/20/27	[Progress bar from 8/8/19 to 3/31/23]											
1741	New Gravity Sewer Rehabilitation and Replacement (GSRR) Contracts	5/13/19	9/22/25	90%	12/20/27	[Progress bar from 5/13/19 to 9/22/25]											
1749	GSSR Section 1 Construction	2/10/21	2/28/25			[Progress bar from 2/10/21 to 2/28/25]											
1750	GSSR Section 1 Lining/Point Repairs Construction	2/10/21	2/28/25	50%		[Progress bar from 2/10/21 to 2/28/25]											
1751	GSSR Section 2 Construction	2/9/21	9/22/25			[Progress bar from 2/9/21 to 9/22/25]											
1753	<b>RGI - Construction</b>	<b>7/27/21</b>	<b>9/22/25</b>			[Progress bar from 7/27/21 to 9/22/25]											
1754	Package 5 Comp 10 (Emerald Castle)	7/11/22	10/17/22	100%		[Progress bar from 7/11/22 to 10/17/22]											
1756	Package 5 Comp 12	11/1/22	9/22/25	0%		[Progress bar from 11/1/22 to 9/22/25]											
1757	Package 8 Comp 8 (Sowell Estates)	10/25/21	8/31/23	5%		[Progress bar from 10/25/21 to 8/31/23]											
1758	<b>KEMI - Construction</b>	<b>10/14/21</b>	<b>11/25/24</b>			[Progress bar from 10/14/21 to 11/25/24]											
1759	Package 7 Comp 3	1/9/23	7/2/24	0%		[Progress bar from 1/9/23 to 7/2/24]											
1760	Package 7 Comp 8 Phase A	5/15/23	12/29/23	0%		[Progress bar from 5/15/23 to 12/29/23]											
1762	Package 8 Comp 5 (Tilly Mill)	10/14/21	8/1/23	43%		[Progress bar from 10/14/21 to 8/1/23]											
1767	<b>New Co-Op Agreements</b>	<b>10/16/19</b>	<b>12/31/24</b>			[Progress bar from 10/16/19 to 12/31/24]											
1768	<b>Construction Contract COP2 and COP3</b>	<b>10/16/19</b>	<b>12/31/24</b>			[Progress bar from 10/16/19 to 12/31/24]											



ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023											
						J	A	S	O	N	D	J	F	M	A	M	J
1769	COP2 Lining/Point Repair Construction	10/16/19	12/29/23	75%		[Gantt bar from 10/16/19 to 12/29/23]											
1770	COP3 Lining/Point Repair Construction	6/7/22	12/31/24	30%		[Gantt bar from 6/7/22 to 12/31/24]											
1771	<b>Trunk Sewer Program</b>	<b>10/23/20</b>	<b>2/8/28</b>		<b>12/20/27</b>	[Gantt bar from 10/23/20 to 2/8/28]											
1772	<b>SF 2,3 / Shoal Creek Trunk Sewers</b>	<b>4/20/21</b>	<b>2/8/28</b>			[Gantt bar from 4/20/21 to 2/8/28]											
1773	Design RFP Procurement	4/20/21	8/15/22			[Gantt bar from 4/20/21 to 8/15/22]											
1775	BOC Approval	3/30/22	7/12/22	100%		[Gantt bar from 3/30/22 to 7/12/22]											
1776	NTP	7/13/22	8/15/22	100%		[Gantt bar from 7/13/22 to 8/15/22]											
1777	Design	8/16/22	6/10/24			[Gantt bar from 8/16/22 to 6/10/24]											
1778	BODR	8/16/22	2/16/23	60%		[Gantt bar from 8/16/22 to 2/16/23]											
1779	Design - Section 1	10/17/22	5/17/24			[Gantt bar from 10/17/22 to 5/17/24]											
1780	30% Package	10/17/22	3/27/23	0%		[Gantt bar from 10/17/22 to 3/27/23]											
1781	60% Package	3/28/23	7/21/23	0%		[Gantt bar from 3/28/23 to 7/21/23]											
1785	Design - Section 2	10/20/22	6/10/24			[Gantt bar from 10/20/22 to 6/10/24]											
1786	30% Package	10/20/22	3/2/23	0%		[Gantt bar from 10/20/22 to 3/2/23]											
1787	60% Package	3/3/23	6/7/23	0%		[Gantt bar from 3/3/23 to 6/7/23]											
1788	90% Package	6/8/23	11/13/23	0%		[Gantt bar from 6/8/23 to 11/13/23]											
1791	Design - Section 3	10/3/22	5/8/24			[Gantt bar from 10/3/22 to 5/8/24]											
1792	30% Package	10/3/22	3/2/23	0%		[Gantt bar from 10/3/22 to 3/2/23]											
1793	60% Package	3/3/23	7/7/23	0%		[Gantt bar from 3/3/23 to 7/7/23]											
1808	<b>Sewer Trunks (On-Call)</b>	<b>11/25/20</b>	<b>9/28/22</b>			[Gantt bar from 11/25/20 to 9/28/22]											
1809	Design RFP Procurement	3/1/21	9/28/22			[Gantt bar from 3/1/21 to 9/28/22]											
1814	BOC Approval	3/18/22	9/27/22	100%		[Gantt bar from 3/18/22 to 9/27/22]											
1992	<b>Cobb Fowler Trunks</b>	<b>9/28/22</b>	<b>9/25/24</b>			[Gantt bar from 9/28/22 to 9/25/24]											
1993	Design	9/28/22	9/25/24			[Gantt bar from 9/28/22 to 9/25/24]											
1994	NTP Design	9/28/22	1/27/23	0%		[Gantt bar from 9/28/22 to 1/27/23]											
1995	BODR	2/15/23	5/19/23	0%		[Gantt bar from 2/15/23 to 5/19/23]											
1996	30% Package	5/23/23	8/18/23	0%		[Gantt bar from 5/23/23 to 8/18/23]											
2001	<b>Doolittle/Blue/Sugar Trunks</b>	<b>9/28/22</b>	<b>4/30/24</b>			[Gantt bar from 9/28/22 to 4/30/24]											
2002	Design	9/28/22	4/30/24			[Gantt bar from 9/28/22 to 4/30/24]											
2003	NTP Design	9/28/22	12/13/22	100%		[Gantt bar from 9/28/22 to 12/13/22]											
2004	BODR	2/27/23	5/24/23	0%		[Gantt bar from 2/27/23 to 5/24/23]											



ID	Task Name	Start	Finish	% Complete	CD/CMOM Date								2023									
						J	A	S	O	N	D	J	F	M	A	M	J					
2065	BOC Approval	6/6/23	8/22/23	0%																		
2066	NTP	8/23/23	10/24/23	0%																		
2067	<b>Priority Areas - Assessment and Rehabilitation</b>		<b>12/20/27</b>		<b>12/20/27</b>																	
2068	<b>Priority Areas</b>	<b>11/1/15</b>	<b>12/20/27</b>																			
2071	I-IG1 -Winters Chapel Rd at Homeland Drive	3/1/16	12/29/23	65%																		
2072	I-IG2 -Carver Circle	3/1/16	12/29/23	40%																		
2073	I-IG3 -Ashford Dunwoody-Nancy Creek	3/1/16	12/29/23	90%																		
2074	I-IG4 -North Peachtree-North Shallowford	3/1/16	12/29/23	90%																		
2075	I-IG5 -Oakcliff Road	11/1/15	12/29/23	75%																		
2076	I-IG6 -City of Chamblee	1/4/16	12/31/24	60%																		
2077	I-IG7 -Embry Circle Pipe Bursting	1/4/16	12/31/24	75%																		
2078	I-IG8 -Embry Circle Relining	1/4/16	12/29/23	90%																		
2079	I-IG9 -Windsor Parkway	3/1/16	12/29/23	50%																		
2080	I-IG10 -Drew Valley Road subdivisions	1/4/21	12/29/23	60%																		
2081	I-IG11 -Skyland Road	1/4/21	12/29/23	75%																		
2082	I-IG12 -Henderson Mill Rd	1/4/21	12/31/24	30%																		
2083	I-IG13 -Area contributing to TSFORK 5 monitor	1/2/16	12/20/27	25%																		
2084	I-IG14 -Briarcliff Rd	1/4/16	12/29/23	50%																		
2085	I-IG15 -Lavista - Oak Grove area	1/4/16	9/28/22	100%																		
2086	I-IG16 -Lavista Rd-Clairmont Rd-Houston Mill Rd	1/4/16	12/20/27	65%																		
2087	I-IG17 -North DeKalb Mall area	1/4/16	12/29/23	40%																		
2088	I-IG18 -Scott Blvd-Clairmont Rd	1/4/16	12/20/27	25%																		
2089	I-IG19 -Old Rockbridge Rd-Avondale (partial)	1/4/16	12/31/24	40%																		
2090	I-SF1 -Old Rockbridge Rd-Avondale (partial)	6/1/16	12/29/23	40%																		
2091	I-SF2 -Cobb Fowler Basin	4/1/16	12/20/27	25%																		
2092	I-SF3 -Shoal Creek Basin	1/2/16	12/20/27	25%																		
2093	I-SF4 -Covington Hwy at Kensington Rd	6/1/16	12/29/23	75%																		
2094	I-PB1 -Lithonia Industrial Pkwy	7/1/16	12/29/23	60%																		
2095	A-IG1 -MARSH-FUL (Marsh Creek)	7/1/16	12/29/23	70%																		
2096	A-IG2 -TAZTEC5 (Aztec)	1/4/16	12/29/23	70%																		
2097	A-IG3 -TNANCY2 (Nancy Creek)	3/1/16	12/29/23	50%																		

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date								2023								
						J	A	S	O	N	D	J	F	M	A	M	J				
2098	A-IG4 -TNANCYS (Nancy Creek)	3/1/16	12/29/23	70%																	
2099	A-IG5 -TNFORK1 (North Fork Peachtree Creek)	1/4/16	12/31/26	60%																	
2100	A-IG6 -TSFORK4 (South Fork Peachtree Creek)	1/4/16	12/29/23	50%																	
2101	A-IG7 -TSFORK3 (South Fork Peachtree Creek)	1/4/16	12/31/24	20%																	
2102	A-SF1 -TUSF14 (Upper Snapfinger Creek)	3/1/16	12/29/23	20%																	
2103	A-SF2 -BAR5 (Barbashela Creek)	2/1/16	12/31/24	20%																	
2104	A-SF3 -IND1 (Indian Creek)	6/1/16	12/20/27	20%																	
2105	A-SF4 -USF4 (Upper Snapfinger Creek)	3/1/16	12/20/27	30%																	
2106	A-SF5 -USF2 (Upper Snapfinger Creek)	3/1/16	12/20/27	30%																	
2107	A-SF6 -ITMC-ATL (Intrenchment Creek)	3/1/16	12/20/27	30%																	
2108	A-SF7 -TDOL5 (Doolittle Creek)	1/2/17	6/30/27	50%																	
2109	A-SF8 -TDOL6 (Doolittle Creek)	1/2/17	6/30/27	80%																	
2110	A-SF9 -SUG5 (Sugar Creek)	5/1/17	12/31/25	50%																	
2111	A-SF10 -CON-CLAY (Conley Creek)	6/1/16	12/29/23	50%																	
2112	A-PB1 -UCKC2 (Upper Crooked Creek)	2/1/16	12/31/24	75%																	
2114	A-PB3 -TJSC1 (Johnson Creek)	6/1/16	12/29/23	50%																	
2116	A-PB5 -PINEM2 (Pine Mountain)	4/1/16	12/31/24	40%																	
2117	A-PB6 -PB1 (Pole Bridge Creek)	7/1/16	12/29/23	50%																	
2119	<b>9. Ongoing Sewer Assessment and Rehabilitation Program (OSARP)</b>			<b>Ongoing</b>																	
2312	<b>OSARP Projects by Work Order</b>		<b>2/28/25</b>																		
2313	<b>OSARP Tiered Projects Tier 1 Assessments</b>		<b>12/31/24</b>																		
2314	<b>Acoustic Testing (491,040 lf in 2H22)</b>		<b>12/31/24</b>																		
2325	Ball Mill Creek	10/18/21	6/30/23	80%																	
2326	Blue Creek	8/12/19	12/29/23	42%																	
2327	Intrenchment Creek	3/25/16	12/29/23	90%																	
2328	Nancy Creek	2/8/16	12/29/23	46%																	
2330	South Fork Peachtree Creek	4/11/16	12/31/24	35%																	
2331	Barbashela Creek	2/5/16	12/29/23	75%																	
2332	Lower Snapfinger Creek	1/5/17	12/29/23	95%																	
2333	Peavine Creek	5/4/16	12/29/23	65%																	
2334	North Fork Peachtree Creek	2/5/16	12/29/23	65%																	



ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023																	
						J	A	S	O	N	D	J	F	M	A	M	J						
2444	Conley Creek	2/22/21	12/30/22	94%																			
2449	Indian Creek	3/1/17	12/30/22	97%																			
2450	Polebridge Creek	2/28/17	12/30/22	93%																			
2452	Intrenchment Creek	7/23/18	12/30/22	95%																			
2456	Ball Mill Creek	10/15/18	12/30/22	99%																			
2457	Lower Stone Mountain Creek	10/30/18	12/30/22	97%																			
2460	Honey Creek	3/4/17	12/30/22	98%																			
2461	Doolittle Creek	2/22/17	12/30/22	95%																			
2464	<b>Large Diameter Cleaning (Raw Data) (56 tons in 2H22)</b>		<b>12/31/24</b>																				
2465	Nancy Creek Sewershed_90	9/20/17	12/31/24	24%																			
2466	Conley Creek_78	6/11/18	12/31/24	17%																			
2467	Lower Snapfinger Creek_50	6/1/18	12/31/24	10%																			
2468	Upper Snapfinger Creek_36	2/27/18	12/31/24	36%																			
2469	North Fork Peachtree Creek_101	4/4/18	12/31/24	30%																			
2470	Upper Crooked Creek_1	6/3/19	12/31/24	3%																			
2471	South Fork Peachtree Creek	8/7/18	12/31/24	23%																			
2472	Peavine Creek_25	2/9/17	12/31/24	12%																			
2473	Indian Creek_3	3/1/19	12/31/24	51%																			
2474	Polebridge Creek_109	7/1/16	12/31/24	16%																			
2475	Intrenchment Creek_37	11/7/17	12/31/24	22%																			
2476	Shoal Creek_Melanie Court_3	3/1/19	12/31/24	7%																			
2479	Sugar Creek_12	5/3/19	12/31/24	5%																			
2480	Ball Mill Creek_6	6/3/19	12/31/24	49%																			
2481	Lower Stone Mountain Creek_20	6/3/19	12/31/24	1%																			
2482	Barbashela Creek_23	4/15/19	12/31/24	4%																			
2483	Lower Crooked Creek_14	4/1/19	12/31/24	17%																			
2484	Doolittle Creek_28	3/2/20	12/31/24	13%																			
2485	Crooked Creek_19	3/2/20	12/31/24	9%																			
2486	Honey Creek_20	3/2/20	12/31/24	5%																			
2487	Corn Creek_8	3/2/20	12/31/24	0%																			
2489	<b>Manhole Condition Assessments (0 each in 2H22)</b>		<b>12/31/24</b>																				

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023																	
						J	A	S	O	N	D	J	F	M	A	M	J						
3909	<b>10. Maintenance Management System (MMS)</b>			Ongoing																			
3910	Address maintenance related to SSO's by cleaning small diameter pipe of 15 inches or smaller (95 miles in 2H22), chemically treating roots in sewer mains (43 miles in 2H22) and clearing easements (59 linear miles in 2H22)			Ongoing																			
3911	Perform sewer creek crossing inspection of pipes requiring a revisit within a year (802 inspections in 2H22)			Ongoing																			
3912	Notify property owners of deficiencies with their private sewer laterals discovered by PASARP smoke testing. Requested owners fix defects & respond with proof of completion (414 letters sent, 82 repairs completed on laterals and clean out caps in 2H22)			Ongoing																			
4661																							
4662	<b>Acronyms :</b>																						
4663	AE - Architectural Engineer or Design Consultant																						
4664	BOC - Board of Commissioners																						
4665	CD - Consent Decree																						
4666	CDPMT - Consent Decree Program Management Team																						
4667	CERP - Contingency and Emergency Response Plan																						
4668	CMOM - Capacity, Management, Operations, and Maintenance																						
4669	D/B - Design Build																						
4670	DWM - Department of Watershed Management																						
4671	EPA - US Environmental Protection Agency																						
4672	FOG - Fats, Oils & Grease																						
4673	GIS - Geographic Information System																						
4674	lf - linear feet																						
4675	LS - Lift Station																						
4676	NTP - Notice to Proceed																						
4677	OSARP - Ongoing Sewer Assessment and Rehabilitation Program																						
4678	PASARP - Priority Area Sewer Assessment and Rehabilitation Program																						
4679	P&C - Purchasing & Contracting																						
4680	QA - Quality Assurance																						
4681	QC - Quality Check																						

ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2023																
						J	A	S	O	N	D	J	F	M	A	M	J					
4682	RFP - Request for Proposal																					
4683	SSO - Sanitary Sewer Overflow																					
4684	TISCIT - Totally Integrated Sonar and Camera Inspection Technology																					
4685																						
4686	<b>Levels</b>																					
4687	Level 1 - Task																					
4688	Level 2 - SubTask																					
4689	Level 3 - Area																					
4690	Level 4 - Element																					
4691	Level 5 - SubElement																					
4692	Level 6 - SubSubElement																					