

IN THE UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF GEORGIA
ATLANTA DIVISION

UNITED STATES OF AMERICA, and
the STATE OF GEORGIA,

Plaintiffs,

v.

DEKALB COUNTY, GEORGIA,

Defendant.

CIVIL ACTION NO.

1:10-cv-04039-SDG

DEKALB COUNTY'S NOTICE OF FILING

COMES NOW DeKalb County (the "County") and hereby files with the Clerk of Court a copy of its Semi-Annual Report No. 20 (covering July 1, 2021 to December 31, 2021) as submitted to the U.S. Environmental Protection Agency and the Georgia Environmental Protection Division.

Paragraph 57 of the Modified Consent Decree requires that this report include:

- 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. If any missed deadline cannot be fully explained at the time the report is due, the County shall include a statement to that effect in the report;"

- 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;”
- 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;”
- 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;”
- 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. If any missed interim milestone date or deadline cannot be fully explained at the time the report is due, the County shall include a statement to that effect in the report;” and
- 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.”

Respectfully submitted this 31st day of January 2022.

By: /s/ Byron Kirkpatrick

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County, Georgia*

CERTIFICATE OF COMPLIANCE

I hereby certify that the within and foregoing DEKALB COUNTY'S NOTICE OF FILING was prepared using Times New Roman font (14 point).

This 31st day of January 2022.

/s/ Byron Kirkpatrick
Byron Kirkpatrick

CERTIFICATE OF SERVICE

I hereby certify that DEKALB COUNTY'S NOTICE OF FILING was filed electronically with the Clerk of Court using the CM/ECF system, which will send notification of such filing to all counsel of record.

This 31st day of January 2022.

/s/ Byron Kirkpatrick
Byron Kirkpatrick



Office of the Chief Executive Officer

Zachary L. Williams
Executive Assistant, Chief Operating Officer

Chief Executive Officer
Michael L. Thurmond

Board of Commissioners

District 1
Robert Patrick

District 2
Jeff Rader

District 3
Larry Johnson

District 4
Steve Bradshaw

District 5
Mereda D. Johnson

District 6
Edward "Ted" Terry

District 7
Lorraine Cochran-Johnson

Via Electronic Mail and U.S. Mail
January 31, 2022

Chief, Clean Water Protection Branch
ATTN: Mr. Richard Elliot
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, 2022 - 20th Semi-Annual Report**

Dear Mr. Elliot:

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, 2022 — 20th 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 Sanders
Matthew C. Welch, Deputy County Attorney

Semi-Annual Report No. 20

July 1, 2021, to December 31, 2021

Civil Action No. 1:10cv4039 - SDG

**DeKalb County
Department of Watershed Management**



DeKalb County
G E O R G I A



January 31, 2022

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Acronyms

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)
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
LF	linear feet
MCD	Modification to Consent Decree
MMS	Maintenance Management System
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 20th 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 2021, and several projects and activities are projected to be implemented in the first 6 months of 2022. 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 having appropriate personal protective equipment and working block schedules to limit exposure.

In the second half of 2021, 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	July 30, 2021
IX. (57)	19th Semi-Annual Report	July 30, 2021
IX. (56)	Quarterly Report	October 30, 2021
IX. (56)	Quarterly Report	January 30, 2022
IX. (57)	20th Semi-Annual Report	January 30, 2022
VI. (35)	Minimum Linear Footage of Pipe Review, Design, and Rehabilitation Report	February 1, 2022
IX. (57)	10th Annual Report	March 1, 2022
IX. (56)	Quarterly Report	April 30, 2022

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 7/1/2021 to 12/31/2021

- 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 332 personnel in divisions of DWM. New DWM employees were trained in CERP during New Employee Orientation.
 - b. Provided training to 489 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 7 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. Approximately 248,784 FOG educational fliers were distributed by Nextdoor directly to the community. Social media communication posts were used more frequently because of the pandemic; 16 posts were made each on Facebook and Twitter, reaching nearly 4,000 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 10,155 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 1/1/2022 to 6/30/2022

- 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 678 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 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. Fourteen social media posts are currently planned to inform the community about FOG, wipes, sewer laterals, and to provide general SSO information.
- 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 7/1/2021 to 12/31/2021

- i) To prevent FOG from entering the collection system, the following education efforts were executed (refer to Gantt chart lines 734–735).
 - a. Sponsored 1 in-person and 4 virtual public outreach events reaching approximately 1,485 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 2021–2022 school year.

- c. DWM conducted 8 events at schools, senior centers, and recreation centers with 8 presentations reaching approximately 1,425 students and adults 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: 2,537. 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: 384. 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: 1,155. 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: 22
 - i. A total of 19 cases are pending for not coming into compliance 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 due to the ongoing COVID-19 pandemic.

b) Projects and Activities Anticipated for the Reporting Period 1/1/2022 to 6/30/2022

- 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.
 - b. Continue FOG education programs in DeKalb County schools, as conditions allow per COVID-19 safety protocols.
- ii) Program Compliance and Enforcement (refer to Gantt chart lines 739–742)
 - a. Continue to perform inspections of FSEs and issue citations for noncompliance.
 - b. Continue to implement multifamily housing ordinance in FOG Program.

- c. Continue aggressive enforcement program aimed at achieving an even greater compliance with the FOG ordinance. This includes after-hours inspections of sites that generally operate at night.
- d. 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 7/1/2021 to 12/31/2021

- 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 55 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. An online web application gallery for use by project managers and team members allows for a central location to access all maps, applications, and data.
 - d. Continued updates and support through the GIS interface with Cityworks, the County's computerized maintenance management system (CMMS).

b) Projects and Activities Anticipated for the Reporting Period 1/1/2022 to 6/30/2022

- 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 iTracker to the maintenance programs supported by GIS and use the resulting data in analysis for the reduction of wet weather spills.
- c. Add additional ArcGIS story maps to the DeKalb County website to provide information and educate public on progress and work being done to projects.

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

a) Projects and Activities Accomplished for the Reporting Period 7/1/2021 to 12/31/2021

- i) Continue to implement the revised Training Program (2018) using the Training Matrix, Training Calendar, and Compliance Suite software. A total of 1,982 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.
- 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 software and were made available to all personnel.
- vii) Examples of classes provided and number of participants:
 - a. Accountability: 0
 - b. Blood-borne Pathogen: 80 (440 online), 520 total
 - c. Confined Space Awareness: 0
 - d. Department Safety Management Systems: 42
 - e. Emergency Action/Response Plan: 76 (443 online), 519 total
 - f. Employee Rights and Responsibilities: 40
 - g. Ergonomics: 40
 - h. Fire Prevention Plans: 39
 - i. Hazard Communication: 81 (420 online), 501 total
 - j. Medical Services and First Aid: 31
 - k. Personal Protective Equipment: 39 (448 online), 487 total
 - l. Safety Management Division Overview: 33
 - m. Slip, Trips & Falls: 39
 - n. Workplace Violence: 22 (455 online), 477 total

b) Projects and Activities Anticipated for the Reporting Period 1/1/2022 to 6/30/2022

- i) Continue implementation of updated Training Program using Training Matrix, Training Calendar, and Compliance Suite 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 7/1/2021 to 12/31/2021

- i) Continued implementing a robust maintenance and calibration program, supporting a monthly average of 307 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 lines 987 and 988). For the reporting period, the flow monitoring field crews completed the following:

A total of 2,117 flow meter maintenance visits including:

- a. 1,063 battery replacements
- b. 193 flow monitor calibrations (refer to Gantt chart line 987)
- c. No new modem installations on existing flow monitors (refer to Gantt chart line 986)

268 rain gauge maintenance visits (refer to Gantt chart line 987)

- 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 and 7 permanent meters were installed (refer to Gantt chart line 987).
- iv) Removed temporary meters for completed capacity studies and Capital Improvement Program (CIP) projects. For this reporting period, 14 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) Data processing from the previous deployment of manhole-mounted I/I monitoring system is in progress, and additional location candidates have been identified for future deployments (refer to Gantt chart line 981).
- viii) Continued implementing audit program to quantify and track data quality. The program includes consideration for timeliness of maintenance visits, consistency, and timeliness of QA/QC communications, and minimizing data loss (refer to Gantt chart line 985).

b) Projects and Activities Anticipated for the Reporting Period 1/1/2022 to 6/30/2022

- 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 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) Continue using the 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 7/1/2021 to 12/31/2021

- i) Evaluated/inspected 10,990 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): 737 (refer to Gantt chart line 996).
- iv) Wastewater plan review (land disturbance): 151 (refer to Gantt chart line 997).
- v) Final plat reviews: 19 (refer to Gantt chart line 998).
- vi) FOG building reviews (Bldg. & LDP): 732 (refer to Gantt chart line 999).
- vii) Backflow reviews (Bldg. & LDP): 624 (refer to Gantt chart line 1000).
- viii) Sewer capacity requests received: 224 (refer to Gantt chart line 1001).
- ix) Capacity letters issued: 161 (refer to Gantt chart line 1002).
- x) Conditional capacity letters issued: 13 (refer to Gantt chart line 1002).
- xi) Sewer capacity requests canceled: 19 (refer to Gantt chart line 1003).
- xii) On September 23, 2021 EPA/EPD approved the dynamic hydraulic model for use. The County discontinued use of the steady state hydraulic model for capacity request reviews at this time (refer to Gantt Chart lines 1013-1014).
- xiii) Sewer capacity approval requests re-evaluated under CD modification: 564 (refer to Gantt Chart line 1004).
- xiv) Complete development of the I/I Banking Credit System as a potential alternative for processing sewer capacity approvals (refer to Gantt chart lines 1015-1016).
 - a. Completed development of the I/I Banking Credit application and certification that the calculations to determine capacity credits earned has been accurately applied per the Capacity Assurance Program.
 - b. Imported into the credit bank completed rehabilitation from April 30, 2019 through December 31, 2021 and certified all data sources were accurate.

b) Projects and Activities Anticipated for the Reporting Period 1/1/2022 to 6/30/2022

- i) Continue working with Permitting Department and City Partners to add efficiency and clarity to sewer capacity approval process (refer to Gantt chart line 1012).
- ii) Begin implementation of I/I Banking Credit System as a potential alternative for processing sewer capacity approvals (refer to Gantt chart lines 1015-1016).
 - a. Submit certification on Information Management System to EPA/EPD.

7. System-Wide Hydraulic Model

a) Projects and Activities Accomplished for the Reporting Period 7/1/2021 to 12/31/2021

- i) Completed updating of Pole Bridge model with current GIS and survey data (refer to Gantt chart line 1270).
- ii) Continue to update Snapfinger, South Fork Peachtree Creek, North Fork Peachtree Creek, and Nancy Creek models with current GIS and survey data (refer to Gantt chart lines 1065-1218).
- iii) Developed and ran dynamic model simulations with updated data to verify various capacity improvement projects and identify comprehensive rehabilitation areas.
- iv) Completed sewer capacity evaluations for previously submitted sewer capacity request backlog and for November 2021 requests using the dynamic models.
- v) Developed standard operating procedure for Sewer Capacity Evaluations using dynamic models.
- vi) Setup central model server as a single storage location for capacity models with check in/check out procedures to ensure use of latest approved model versions.

b) Projects and Activities Anticipated for the Reporting Period 1/1/2022 to 6/30/2022

- i) Complete updating of Snapfinger, South Fork Peachtree Creek, North Fork Peachtree Creek and Nancy Creek models with current GIS and survey data (refer to Gantt chart lines 1065-1218)..
- ii) Update all applicable models with as-built information from completed rehabilitation projects.
- iii) Review potential version upgrade of InfoWorks ICM model software.
- iv) Continue to use the dynamic model as required for ongoing CIP projects.

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

a) Projects and Activities Accomplished for the Reporting Period 7/1/2021 to 12/31/2021

- 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.
- ii) For Design Build Package No. 3, construction is complete for 6 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. Based on unanticipated petroleum-impacted soils at this location, the County is developing a new alignment to complete the remaining portion of the final project in this package.

- iii) Continue 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 1719).
- 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 lines 1724–1725).
- v) Annual Construction Contracts 1 through 4 continued lining and point repair construction (refer to Gantt chart line 1738–1739).
- vi) Under Gravity Sewer Rehabilitation and Replacement (GSRR) Section 1 contract continued with construction (lining/point repair) (refer to Gantt chart line 1751). Under GSRR Section 2 contract started construction of Package Nos. 5 and 8 projects (refer to Gantt chart lines 1755, 1756, and 1763).
- vii) Completed construction (lining/point repair) for Co-Op Agreement 1 (refer to Gantt chart line 1767).
- viii) Ongoing construction (lining/point repair) for Co-Op Agreement 2 (refer to Gantt chart line 1769).
- ix) Completed siting study and continued preparation of design build bridging documentation for Shoal Creek and Snapfinger East wet weather storage tanks (refer to Gantt chart lines 1992–1998).
- x) Continued design Request for Proposals (RFP) procurement for Shoal Creek Trunk project (refer to Gantt chart lines 1772–1776).
- xi) Continued on-call design RFP procurement for various trunk capacity projects (refer to Gantt chart lines 1796–1802).
- xii) Complex Rehabilitation projects completed within Priority Areas I-SF3 and A-SF8. Additional rehabilitation construction on individual assets within other priority areas is ongoing (refer to Gantt chart lines 2014 – 2063 for the status of that work).
- 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 failed to complete 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 is working to complete this project by December 31, 2022.

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.

b) Projects and Activities Anticipated for the Reporting Period 1/1/2022 to 6/30/2022

- i) Continue construction of projects in Design Build Rehabilitation Package Nos. 2 and 3 (refer to Gantt chart lines 1668–1682 and 1693–1702, respectively).
- ii) For Rehabilitation Packages No. 4 and 7, complete design of capacity improvement projects (refer to Gantt chart lines 1719–1725).
- iii) Under GSRR Section 1, continue construction (lining/point repair) (refer to Gantt chart line 1751).
- iv) Under GSRR Section 2, continue construction of Package Nos. 5 and 8 projects to mitigate I/I and improve conveyance capacity (refer to Gantt chart lines 1755, 1756, and 1763).
- v) Continue construction under Co-Op Agreement 2 contract (refer to Gantt chart line 1769).
- vi) Finalize sites and design build bridging documents for Shoal Creek and Snapfinger East wet weather storage tanks (refer to Gantt chart lines 1992-1998).
- vii) Start design build procurement for Shoal Creek and Snapfinger East wet weather storage tanks (refer to Gantt chart lines 2001-2005).
- viii) Issue Notice to Proceed for Shoal Creek Trunk design project (refer to Gantt chart line 1776).
- ix) Issue Notice to Proceed for on-call design build RFP for various trunk capacity projects (refer to Gantt chart line 1802).
- x) Complete complex rehabilitation project in I-IG13 (refer to Gantt chart line 2019).

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

a) Projects and Activities Accomplished for the Reporting Period 7/1/2021 to 12/31/2021

- i) Performed ongoing tiered assessment in OSARP areas. Completed approximately 470,879 lf of smoke testing, 405,584 lf of acoustic inspections, and 935 manhole condition assessments (refer to Gantt chart lines 2260–2318).
- ii) Completed approximately 10.33 miles of Totally Integrated Sonar and Camera Inspection Technique (TISCIT) assessments of large-diameter trunk sewers in OSARP areas (refer to Gantt chart lines 2386–2407).
- iii) Removed approximately 62 tons of debris from large-diameter trunks that may contribute to restoration of capacity in the system (refer to Gantt chart lines 2411–2433).

b) Projects and Activities Anticipated for the Reporting Period 1/1/2022 to 6/30/2022

- i) Continue tiered assessment in OSARP areas. Anticipate completing approximately 50 miles of CCTV assessments, 110 miles of smoke testing, 110 miles of acoustic inspections, and 1,500 manhole condition assessments (refer to Gantt chart lines 2260–2318).
- ii) Complete approximately 20 miles of TISCIT assessments of large-diameter trunks in OSARP areas (refer to Gantt chart lines 2386–2407).

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

a) Projects and Activities Accomplished for the Reporting Period 7/1/2021 to 12/31/2021

- i) To address maintenance-related SSOs (grease, roots, debris, or any combination), the following maintenance activities were completed (refer to Gantt chart line 3856):
 - a. Performed 361 miles of small-diameter (15 inches or smaller) sewer cleaning. This represents 18 percent of the system.
 - b. A total of 113 miles of sanitary sewer mains were treated for roots using chemicals. This represents 4.5 percent of the system.
 - c. A total of 3,995,720 square feet (ft²), or approximately 63 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 670 sewer creek crossing inspections for pipes previously identified as needing revisit within a year (refer to Gantt chart line 3857).
- iii) Temporarily adapted program of notifying property owners of private lateral maintenance needed. Continued using PASARP smoke testing data and pictures, in addition to DWM observations in the field; DWM has replaced cleanout caps as necessary in the field. A total of 176 cleanout caps were replaced laterals (refer to Gantt chart line 3858).
- iv) Used Sewer Line Rapid Assessment Tool (SL-RAT) acoustic inspection tool. DWM added a crew dedicated to using the tool to investigate blockages in pipes and determined whether pipes needed cleaning based on the percent of the pipe that was blocked. The crew assessed 8.7 miles of pipe (refer to Gantt chart line 3860).
- v) Began procurement of new contracts for small-diameter sewer cleaning, chemical root control, easement clearing, and creek crossing inspections.

b) Projects and Activities Anticipated for the Reporting Period 1/1/2022 to 6/30/2022

- i) Perform 350 miles of small-diameter (15 inches or smaller) sewer cleaning (refer to Gantt chart line 3856).
- 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 3856).
- iii) Use easement clearing contract to clear approximately 3,500,000 ft² of easements of vegetation to provide access for maintenance and for root control (refer to Gantt chart line 3856).

- iv) Complete creek crossing inspections for those crossings identified as needing yearly inspections. Approximately 1,000 crossings will be completed during this period (refer to Gantt chart line 3857).
- v) Use SL-RAT acoustic inspection tool to assess 4 miles of pipe (refer to Gantt chart line 3860).
- vi) Issue Notice to Proceed for new contracts for small-diameter sewer cleaning, chemical root control, easement clearing, and creek crossing inspections.

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 #14															
ID	Task Name	Start	Finish	CD/CMOM Date	% Complete	2019											
						J	A	S	O	N	D	J	F	M	A	M	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 #14															
ID	Task Name	Start	Finish	CD/CMOM Date	% Complete	2019											
						J	A	S	O	N	D	J	F	M	A	M	J

Task Name - Name of the task.

DeKalb County Department of Watershed Management		Semi-Annual Report #14															
ID	Task Name	Start	Finish	CD/CMOM Date	% Complete	2019											
						J	A	S	O	N	D	J	F	M	A	M	J

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

DeKalb County Department of Watershed Management		Semi-Annual Report #14															
ID	Task Name	Start	Finish	CD/CMOM Date	% Complete	2019											
						J	A	S	O	N	D	J	F	M	A	M	J

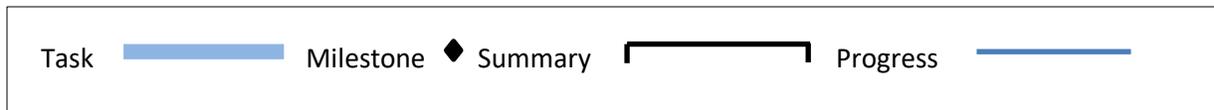
Finished - Date the task finished or is projected to finish.

DeKalb County Department of Watershed Management		Semi-Annual Report #14															
ID	Task Name	Start	Finish	CD/CMOM Date	% Complete	2019											
						J	A	S	O	N	D	J	F	M	A	M	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.

DeKalb County Department of Watershed Management		Semi-Annual Report #14															
ID	Task Name	Start	Finish	CD/CMOM Date	% Complete	2019											
						J	A	S	O	N	D	J	F	M	A	M	J

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



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

DeKalb County Department of Watershed Management						Semi-Annual Report #20														
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2022														
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
4	Capacity Management, Operations and Maintenance Programs (CMOM) Update					[Progress bar]														
30	0. Consent Decree Reporting			Ongoing		[Progress bar]														
112	Quarterly SSO Reporting			Ongoing		[Progress bar]														
147	Quarterly Recurring Report to EPA (2021)					[Progress bar]														
149	Submit Quarterly SSO Report 38		7/30/21	100%		7/30/21														
150	Submit Quarterly SSO Report 39		10/30/21	100%				10/30/21												
151	Submit Quarterly SSO Report 40		1/30/22	0%								1/30/22								
152	Quarterly Recurring Report to EPA (2022)					[Progress bar]														
153	Submit Quarterly SSO Report 41		4/30/22	0%															4/30/22	
166	Semi-Annual Recurring Reporting to EPA			Ongoing		[Progress bar]														
268	Submit Semi-Annual Report 19 to EPA		7/30/21	100%		7/30/21														
270	Submit Semi-Annual Report 20 to EPA		1/30/22	0%								1/30/22								
283	Annual Recurring Reporting to EPA/EPD			Ongoing		[Progress bar]														
346	Submit Annual Report 10 to EPA		3/1/22	0%															3/1/22	
361	Submit MLF Projects 2022 Report to EPA/EPD		2/1/22	0%								2/1/22								
711	1. Contingency and Emergency Response Plan (CERP)			Ongoing		[Progress bar]														
718	Training			Ongoing		[Progress bar]														
719	Conduct CERP refresher training (332 DWM staff in 2H21)			Ongoing		[Progress bar]														
720	Conduct SSO training regarding identification and reporting requirements (489 County staff in 2H21)			Ongoing		[Progress bar]														
721	Continue monthly first responder training relating to CERP & operational policies and procedures			Ongoing		[Progress bar]														
722	Conduct CERP training to contractor personnel involved with CD-related projects (7 Contractor staff in 2H21)			Ongoing		[Progress bar]														
723	Community Awareness			Ongoing		[Progress bar]														
724	Continue to expand social media presence for spill reporting			Ongoing		[Progress bar]														
725	Amplify community awareness and educational efforts relating to FOG (248,784 virtual presentations and 16 media post made reaching 4,000 community members in 2H21)			Ongoing		[Progress bar]														
726	Corrective Actions			Ongoing		[Progress bar]														

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DeKalb County Department of Watershed Management		Semi-Annual Report #20																		
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2022														
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
728	Continue to monitor and coordinate areas for follow up cleaning or rehabilitation (10,155 lf cleaned in 2H21)			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	2. Fats, Oils and Grease (FOG) Management Program			Ongoing																
733	Community Education			Ongoing																
734	Sponsor public outreach with FOG info (sponsored 1 in-person and 4 virtual public outreach events reaching 1,485 citizens in 2H21)			Ongoing																
735	Sponsor school outreach with "No FOG, No Clog" info. Conducted school events with focus on FOG's impact to sewer system (hosted 8 presentations reaching approximately 1,425 students and adults in 2H21)			Ongoing																
738	Program Compliance and Enforcement			Ongoing																
739	Perform FOG interceptor inspections on food service establishments (2,537 in 2H21)			Ongoing																
740	Issue FOG interceptor warning citations requiring compliance (384 in 2H21)			Ongoing																
741	Issue FOG interceptor permits (1,155 in 2H21)			Ongoing																
742	Issue FOG interceptor court summons (22 summons issued in 2H21 with 19 cases pending for non compliance)			Ongoing																
743	Program Statistics			Ongoing																
744	Food service haulers remove fats, oil and grease (3.4 MG in 2H21)			Ongoing																
746	Placed multifamily complexes under enforcement for violations related to FOG ordinance regulating spills (0 multifamily violations in 2H21)			Ongoing																
749	3. Sewer Mapping Program			Ongoing																
750	Data Input and Quality Control			Ongoing																

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DeKalb County Department of Watershed Management		Semi-Annual Report #20																	
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2022													
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
751	Continue to populate Geographic Information System (GIS) map layer for sanitary sewer easements to provide access locations for maintenance assets (55 easements were identified from drawings and subdivision plats and added to GIS layer in 2H21)			Ongoing															
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	System Enhancements			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	4. Collection and Transmission Systems (C&TS) Training Program			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 (1,982 hours of training performed in 2H21)			Ongoing															
766	Knowledge Officer & Supervisors work to document & schedule training as described in program			Ongoing															
767	5. System-Wide Flow & Rainfall Monitoring Program			Ongoing															
979	Flow Monitoring Program - Management			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 meters and rain gauges (0 in 2H21)			Ongoing															
987	Continue calibration and maintenance of flow monitoring and rain gauge network			Ongoing															
988	Continue QA/QC regarding flow monitoring and rain gauge data			Ongoing															
989	Flow Monitoring Program - CMOM Support			Ongoing															

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DeKalb County Department of Watershed Management		Semi-Annual Report #20																					
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2022																	
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun						
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	6. Infrastructure Acquisitions Program			Ongoing																			
994	Evaluate/inspect wastewater pipe (10,990 lf in 2H21)			Ongoing																			
995	Review lift station acquisitions as required (0 in 2H21)			Ongoing																			
996	Complete wastewater plan reviews of buildings (737 in 2H21)			Ongoing																			
997	Complete wastewater plan reviews of land disturbances (151 in 2H21)			Ongoing																			
998	Complete final plat reviews (19 in 2H21)			Ongoing																			
999	Complete FOG building reviews (732 In 2H21)			Ongoing																			
1000	Complete backflow reviews for building and LDP (624 in 2H21)			Ongoing																			
1001	Review sewer capacity requests (224 received in 2H21)			Ongoing																			
1002	Issue capacity requests (161 in 2H21 including 13 conditional)			Ongoing																			
1003	Sewer capacity requests (19 canceled in 2H21)			Ongoing																			
1004	Sewer capacity approval requests re-evaluated under CD modification (564 in 2H21)	9/23/21	12/8/21	100%																			
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																			
1010	Use the revised interim protocols for capacity assurance and certification of capacity connections		9/23/21	100%																			
1012	Streamline capacity allotment process with cities' permitting procedures		9/23/21	100%																			
1013	Continue using steady state hydraulic routing model for capacity request reviews until dynamic models are approved by the County		9/23/21	100%																			
1014	EPA/EPD approve use of the dynamic hydraulic model for capacity requests		9/23/21	100%																			
1015	County to certify to EPA/EPD that CAP Information Management System is operational		2/4/22	0%																			
1016	Implementation of I/I Sewer Credit Bank as a potential alternative for processing sewer capacity approvals	2/14/22		Ongoing																			

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DeKalb County Department of Watershed Management					Semi-Annual Report #20															
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2022														
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
1017	7. System-Wide Hydraulic Model			Ongoing																
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		5/31/22																	
1063	Ongoing Maintenance and Support																			
1065	Update hydraulic model with current GIS/survey data	9/1/21	5/31/22	80%																5/31/22
1066	Dynamic Model Development - North Fork Peachtree Creek		6/30/22																	
1113	Ongoing Maintenance and Support																			
1115	Update hydraulic model with current GIS/survey data	9/1/20	6/30/22	80%																
1116	Dynamic Model Development - South Fork Peachtree Creek		5/31/22																	
1164	Ongoing Maintenance and Support																			
1166	Update hydraulic model with current GIS/survey data	9/1/21	5/31/22	80%																5/31/22
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	6/30/22	80%																
1219	Dynamic Model Development - Pole Bridge		12/31/21																	
1268	Ongoing Maintenance and Support																			
1270	Update hydraulic model with current GIS/survey data	7/1/21	12/31/21	100%																12/31/21
1383	8. Priority Areas Sewer Assessment and Rehabilitation Program (PASARP)			Ongoing																
1610	EPA Projects	1/2/17	9/30/22		12/31/21															
1616	3597 Sunderland Circle (DB3)	8/1/19	9/30/22	90%																
1618	2312 Clairmont Rd, A-IG6 (DB3)	8/1/19	9/15/21	100%																9/15/21
1655	Design/Build Contract 2 - Package 2	1/12/18	10/31/22		12/31/21															
1664	DB2 Construction	4/16/18	10/31/22																	
1668	Proj 04 - Nancy Creek Branch 2	3/1/19	10/15/21	100%																10/15/21
1669	Proj 05 - Nancy Creek Branch 1	2/25/19		90%																
1683	Design/Build Contract 3 - Package 3	10/25/18	11/30/22																	
1692	DB3 Construction	8/1/19	11/30/22																	

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DeKalb County Department of Watershed Management						Semi-Annual Report #20											
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2022											
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1693	Proj 01 - 3597 Sunderland Circle, 1083 Wimberly Rd, A-IG4 (EPA, OSARP SSO)	8/1/19	9/30/22	90%	12/20/27	[Progress bar]											
1695	Proj 03 - 2312 Clairmont Rd, A-IG6 (EPA)	8/1/19	9/15/21	100%	12/31/21	[Progress bar] 9/15/21											
1696	Proj 04 - 854 Sheppard Rd (OSARP SSO)	10/17/19	9/30/22	85%	12/20/27	[Progress bar]											
1697	Proj 04 - A-SF2 (OSARP SSO)	10/17/19	9/30/22	85%	12/20/27	[Progress bar]											
1698	Proj 05 - Snapfinger Woods Dr (OSARP SSO)	8/29/19	11/30/22	90%	12/31/21	[Progress bar]											
1720	Annual AE Contract 1 - Package 4 (Design Only)	1/21/22	12/30/22			[Progress bar]											
1721	Annual AE Contract 3 - Package 7 (Design Only)	10/1/18	6/30/22			[Progress bar]											
1725	Priority 1A Projects (Component 8)	1/3/19	2/28/22	95%		[Progress bar] 2/28/22											
1726	Priority 2 Projects (Components 1, 3, 4)	1/3/19	6/30/22	90%		[Progress bar]											
1739	Annual Construction Contracts 1-2 (includes approved change order)	8/8/19	6/30/22	83%	12/20/27	[Progress bar]											
1740	Annual Construction Contracts 3-4 (includes approved change order)	8/8/19	6/30/22	83%	12/20/27	[Progress bar]											
1741	New Gravity Sewer Rehabilitation and Replacement (GSRR) Contracts	5/13/19	2/28/25		12/20/27	[Progress bar]											
1749	GSSR Section 1 Construction	2/9/21	2/28/25			[Progress bar]											
1751	GSSR Section 1 Lining/Point Repairs Construction	2/10/21	2/28/25	1%		[Progress bar]											
1752	GSSR Section 2 Construction	2/9/21	2/28/25			[Progress bar]											
1754	RGI - Construction	7/26/21	2/28/25			[Progress bar]											
1755	Package 5 Comp 14 Country Squire	7/26/21	2/28/22	75%		[Progress bar] 2/28/22											
1756	Package 8 Comp 8 Sowell Estates	10/25/21	8/31/23	5%		[Progress bar]											
1759	KEMI - Construction	2/10/21	2/28/25			[Progress bar]											
1763	Package 8 Comp 5 Tilly Mill	10/4/21	9/30/22	10%		[Progress bar]											
1765	New Co-Op Agreements	8/2/19	12/30/22		12/20/27	[Progress bar]											
1766	Construction Contract COP1	8/2/19	12/31/21			[Progress bar]											
1767	COP1 Lining/Point Repair Construction	8/2/19	12/31/21	100%		[Progress bar] 12/31/21											
1768	Construction Contract COP2	10/16/19	12/30/22			[Progress bar]											
1769	COP2 Lining/Point Repair Construction	10/16/19	12/30/22	75%		[Progress bar]											
1770	Trunk Sewer Program	10/23/20			12/20/27	[Progress bar]											
1771	SF 2,3 / Shoal Creek Trunk Sewers	11/30/20	12/31/27			[Progress bar]											
1772	Design RFP Procurement	11/30/20	2/11/22			[Progress bar]											

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ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2022																
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun					
1774	Bids Due	4/20/21	7/21/21	100%		7/21/21																
1775	BOC Approval	7/29/21	1/11/22	99%									1/11/22									
1776	NTP	1/12/22	2/11/22	0%									2/11/22									
1777	Design	2/14/22	7/10/23																			
1778	BODR	2/14/22	4/26/22	0%																		4/26/22
1779	30% Package	4/27/22	8/2/22	0%																		
1795	Sewer Trunks (On-Call)	3/1/21	1/9/23																			
1796	Design RFP Procurement	3/1/21	7/25/22																			
1799	Advertisement	9/20/21	12/27/21	100%								12/27/21										
1800	Bids Due	1/4/22	3/1/22	0%																		3/1/22
1801	BOC Approval	3/8/22	4/4/22	0%																		4/4/22
1802	NTP	4/5/22	5/2/22	0%																		5/2/22
1988	Snapfinger Wet Weather Tanks	10/23/20	12/31/20																			
1992	Tank Siting Study – Snapfinger East and West Tanks	10/23/20	1/17/23																			
1997	Bridging Docs Complete	12/16/21	3/8/22	0%																		3/8/22
1998	NEPA Process	12/16/21	1/17/23	0%																		
1999	Easements / ROW / Public Outreach	12/16/21	1/17/23																			
2000	Easements / ROW / Public Outreach	12/16/21	1/17/23	0%																		
2001	Contractor Procurement	10/1/21	1/17/23																			
2004	Advertisement	4/15/22	6/29/22	0%																		
2005	Bids Due	6/30/22	8/31/22	0%																		
2013	Priority Areas - Assessment and Rehabilitation		6/20/24		12/20/27																	
2014	Priority Areas	11/1/15	6/20/24																			
2017	I-G1 -Winters Chapel Rd at Homeland Drive	3/1/16	12/29/23	50%																		
2018	I-G2 -Carver Circle	3/1/16	12/29/23	40%																		
2019	I-G3 -Ashford Dunwoody-Nancy Creek	3/1/16	12/30/22	75%																		
2020	I-G4 -North Peachtree-North Shallowford	3/1/16	12/30/22	75%																		
2021	I-G5 -Oakcliff Road	11/1/15	12/30/22	75%																		

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DeKalb County Department of Watershed Management					Semi-Annual Report #20														
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2022													
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
2022	I-G6 -City of Chamblee	1/4/16	12/31/24	40%															
2023	I-G7 -Embry Circle Pipe Bursting	1/4/16	12/31/24	60%															
2024	I-G8 -Embry Circle Relining	1/4/16	12/30/22	75%															
2025	I-G9 -Windsor Parkway	3/1/16	12/29/23	50%															
2026	I-G10 -Drew Valley Road subdivisions	1/4/21	12/29/23	60%															
2027	I-G11 -Skyland Road	1/4/21	12/30/22	75%															
2028	I-G12 -Henderson Mill Rd	1/4/21	12/31/24	30%															
2029	I-G13 -Area contributing to TSFORK 5 monitor	1/2/16	12/20/27	25%															
2030	I-G14 -Briarcliff Rd	1/4/16	12/29/23	30%															
2031	I-G15 -Lavista - Oak Grove area	1/4/16	12/29/23	40%															
2032	I-G16 -Lavista Rd-Clairmont Rd-Houston Mill Rd	1/4/16	12/20/27	25%															
2033	I-G17 -North DeKalb Mall area	1/4/16	12/29/23	40%															
2034	I-G18 -Scott Blvd-Clairmont Rd	1/4/16	12/20/27	25%															
2035	I-G19 -Old Rockbridge Rd-Avondale (partial)	1/4/16	12/31/24	40%															
2036	I-SF1 -Old Rockbridge Rd-Avondale (partial)	6/1/16	12/29/23	40%															
2037	I-SF2 -Cobb Fowler Basin	4/1/16	12/20/27	25%															
2038	I-SF3 -Shoal Creek Basin	1/2/16	12/20/27	25%															
2039	I-SF4 -Covington Hwy at Kensington Rd	6/1/16	12/29/23	50%															
2040	I-PB1 -Lithonia Industrial Pkwy	7/1/16	12/30/22	60%															
2041	A-G1 -MARSH-FUL (Marsh Creek)	7/1/16	12/29/23	40%															
2042	A-G2 -TAZTEC5 (Aztec)	1/4/16	12/29/23	70%															
2043	A-G3 -TNANCY2 (Nancy Creek)	3/1/16	12/29/23	50%															
2044	A-G4 -TNANCY5 (Nancy Creek)	3/1/16	12/29/23	50%															
2045	A-G5 -TNFORK1 (North Fork Peachtree Creek)	1/4/16	12/31/26	60%															
2046	A-G6 -TSFORK4 (South Fork Peachtree Creek)	1/4/16	12/29/23	20%															
2047	A-G7 -TSFORK3 (South Fork Peachtree Creek)	1/4/16	12/31/24	20%															
2048	A-SF1 -TUSF14 (Upper Snapfinger Creek)	3/1/16	12/29/23	20%															
2049	A-SF2 -BAR5 (Barbashela Creek)	2/1/16	12/31/24	20%															

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ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2022												
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
2050	A-SF3 -IND1 (Indian Creek)	6/1/16	12/20/27	20%														
2051	A-SF4 -USF4 (Upper Snapfinger Creek)	3/1/16	12/20/27	30%														
2052	A-SF5 -USF2 (Upper Snapfinger Creek)	3/1/16	12/20/27	30%														
2053	A-SF6 -ITMC-ATL (Intrenchment Creek)	3/1/16	12/20/27	30%														
2054	A-SF7 -TDOL5 (Doolittle Creek)	1/2/17	6/30/27	50%														
2055	A-SF8 -TDOL6 (Doolittle Creek)	1/2/17	6/30/27	50%														
2056	A-SF9 -SUG5 (Sugar Creek)	5/1/17	12/31/25	50%														
2057	A-SF10 -CON-CLAY (Conley Creek)	6/1/16	12/29/23	50%														
2058	A-PB1 -UCKC2 (Upper Crooked Creek)	2/1/16	12/31/24	50%														
2060	A-PB3 -TJSC1 (Johnson Creek)	6/1/16	12/29/23	50%														
2062	A-PB5 -PINEM2 (Pine Mountain)	4/1/16	12/31/24	40%														
2063	A-PB6 -PB1 (Pole Bridge Creek)	7/1/16	12/29/23	50%														
2065	9. Ongoing Sewer Assessment and Rehabilitation Program (OSARP)			Ongoing														
2258	OSARP Projects by Work Order		2/28/25															
2259	OSARP Tiered Projects Tier I Assessments		12/31/24															
2260	Acoustic Testing 405,584 If in 2H21)		12/31/24															
2271	Ball Mill Creek	10/18/21	6/30/23	56%														
2272	Blue Creek	8/12/19	12/29/23	42%														
2273	Intrenchment Creek	3/25/16	12/29/23	85%														
2274	Nancy Creek	2/8/16	12/29/23	46%														
2275	Upper Snapfinger Creek	3/15/16	6/30/22	99%														
2276	South Fork Peachtree Creek	4/11/16	12/31/24	35%														
2277	Barbashela Creek	2/5/16	12/29/23	63%														
2278	Lower Snapfinger Creek	1/5/17	9/30/22	95%														
2279	Peavine Cree6	5/4/16	12/29/23	36%														
2280	North Fork Peachtree Creek	2/5/16	12/30/22	47%														
2281	Conley Creek	5/3/17	6/30/22	89%														
2282	Cobb Fowler	6/3/16	12/30/22	96%														

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DeKalb County Department of Watershed Management					Semi-Annual Report #20														
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						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
2283	Smoke Testing (470,879 lf in 2H21)		6/30/23																
2290	Blue Creek	6/1/18	12/29/23	56%															
2291	North Fork Peachtree Creek	2/17/16	6/30/23	79%															
2292	Peavine Creek	5/26/16	12/29/23	62%															
2293	Intrenchment Creek	5/5/16	6/30/22	96%															
2294	Nancy Creek	2/7/16	6/30/23	67%															
2295	Upper Snapfinger Creek	4/1/16	6/30/22	96%															
2296	South Fork Peachtree Creek	3/8/16	12/29/23	57%															
2297	Barbashela Creek	3/8/16	6/30/22	98%															
2298	Lower Snapfinger Creek	10/31/16	6/30/22	98%															
2299	Conley Creek	5/15/17	7/2/21	100%		7/2/21													
2300	Manhole Condition Assessments (MCA) (935 each in 2H21)		12/29/23																
2305	Lucky Shoals Creek	11/21/16	12/31/24	26%															
2307	Ball Mill Creek	6/18/21	12/31/24	20%															
2308	Crooked Creek	9/14/21	12/31/24	4%															
2309	Honey Creek	6/22/16	12/31/24	12%															
2310	Johnson Creek	6/7/16	6/30/22	91%															
2311	Lower Crooked Creek Peavine Creek	5/29/17	12/29/23	52%															
2312	Peavine Creek	1/19/16	12/29/23	48%															
2313	Intrenchment Creek	4/1/16	12/30/22	90%															
2314	Upper Snapfinger Creek	4/11/16	6/30/22	96%															
2315	South Fork Peachtree Creek	1/15/16	12/29/23	55%															
2316	Barbashela Creek	3/3/16	12/29/23	49%															
2317	Lower Snapfinger Creek	6/5/19	6/30/23	90%															
2318	North Fork Peachtree Creek	10/27/15	6/30/23	70%															
2365	Capacity Restoration (Large Diameter) - OSARP Projects		12/30/22																
2368	Capacity Restoration - OSARP Projects		12/30/22																
2386	TISCIT Inspections/Surveys (Raw Data) (10.33 miles in 2H21)		12/30/22																

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ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	2022													
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
2388	Upper Snapfinger Creek	11/28/16	12/30/22	95%															
2389	North Fork Peachtree Creek	11/7/16	12/30/22	90%															
2390	Conley Creek	2/22/21	12/30/22	94%															
2395	Indian Creek	3/1/17	12/30/22	97%															
2396	Polebridge Creek	2/28/17	12/30/22	93%															
2398	Intrenchment Creek	7/23/18	12/30/22	95%															
2402	Ball Mill Creek	10/15/18	12/30/22	99%															
2403	Lower Stone Mountain Creek	10/30/18	12/30/22	97%															
2406	Honey Creek	3/4/17	12/30/22	98%															
2407	Doolittle Creek	2/22/17	12/30/22	95%															
2410	Large Diameter Cleaning (Raw Data) (62 tons in 2H21)		12/30/22																
2411	Nancy Creek Sewershed_90	9/20/17	12/31/24	24%															
2412	Conley Creek_78	6/11/18	12/31/24	13%															
2413	Lower Snapfinger Creek_50	6/1/18	12/31/24	10%															
2414	Upper Snapfinger Creek_36	2/27/18	12/31/24	36%															
2415	North Fork Peachtree Creek_101	4/4/18	12/31/24	30%															
2416	Upper Crooked Creek_1	6/3/19	12/31/24	3%															
2417	South Fork Peachtree Creek	8/7/18	12/31/24	23%															
2418	Peavine Creek_25	2/9/17	12/31/24	12%															
2419	Indian Creek_3	3/1/19	12/31/24	51%															
2420	Polebridge Creek_109	7/1/16	12/31/24	16%															
2421	Intrenchment Creek_37	11/7/17	12/31/24	22%															
2422	Shoal Creek_Melanie Court_3	3/1/19	12/31/24	7%															
2425	Sugar Creek_12	5/3/19	12/31/24	5%															
2426	Ball Mill Creek_6	6/3/19	12/31/24	49%															
2427	Lower Stone Mountain Creek_20	6/3/19	12/31/24	1%															
2428	Barbashela Creek_23	4/15/19	12/31/24	4%															
2429	Lower Crooked Creek_14	4/1/19	12/31/24	17%															

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						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
4619	GIS - Geographic Information System																	
4620	If - linear feet																	
4621	LS - Lift Station																	
4622	NTP - Notice to Proceed																	
4623	OSARP - Ongoing Sewer Assessment and Rehabilitation Program																	
4624	PASARP - Priority Area Sewer Assessment and Rehabilitation Program																	
4625	P&C - Purchasing & Contracting																	
4626	QA - Quality Assurance																	
4627	QC - Quality Check																	
4628	RFP - Request for Proposal																	
4629	SSO - Sanitary Sewer Overflow																	
4630	TISCIT - Totally Integrated Sonar and Camera Inspection Technology																	
4631																		
4632	Levels																	
4633	Level 1 - Task																	
4634	Level 2 - SubTask																	
4635	Level 3 - Area																	
4636	Level 4 - Element																	
4637	Level 5 - SubElement																	
4638	Level 6 - SubSubElement																	

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