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Via Electronic Mail and U.S. Mail
January 30, 2021

Chief, Clean Water Protection Branch
ATTN: Ms. Sara Janovitz
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 30, 2021 - 18th Semi-Annual Report**

Dear Ms. Janovitz:


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 30, 2021—18th 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
Reginald D. Wells, Director, DWM
Brent Zern, Consent Decree Administrator
E. Fitzgerald Veira, Troutman Sanders
Matthew C. Welch, Deputy County Attorney

Semi-Annual Report No. 18

July 1, 2020, to December 31, 2020

Civil Action No. 1:10cv4039 - WSD

**DeKalb County
Department of Watershed Management**



DeKalb County
G E O R G I A



January 30, 2021

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Acronyms

CD	Consent Decree
CERP	Contingency and Emergency Response Plan
CIP	Capital Improvement Program
CMOM	Capacity, Management, Operations, and Maintenance
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
I/I	infiltration and inflow
lf	linear feet
LS	lift station
MMS	Maintenance Management System
OSARP	Ongoing Sewer Assessment and Rehabilitation Program
PASARP	Priority Areas Sewer Assessment and Rehabilitation Program
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 18th Semi-Annual Report in accordance with Section IX, Paragraph 57, of the Consent Decree (CD) (Civil Action 1:10cv4039-WSD) 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.”

Several projects and activities have taken place during the second 6 months of 2020, and several projects and activities are projected to be implemented in the first 6 months of 2021. As the 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 citizens, employees, and contractors of the County. 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 much of the staff as 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, previously conducted in person were adapted to smaller groups that allowed for appropriate distancing while virtual sessions are 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 increase of “flushable” wipes in the sewer. Maintenance work on the system continues with County crews having appropriate personal protective equipment and now working block schedules to limit exposure.

In the second half of 2020, the County continued to function under adapted COVID-19 safety protocols, becoming more efficient and increasing the implementation of virtual training sessions and public events from the first half of 2020.

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
VI. (35.i)	Completion of PASARP ^a	June 20, 2020 ^b
IX. (56)	Quarterly Report	July 30, 2020
IX. (57)	17th Semi-Annual Report	July 30, 2020
IX. (56)	Quarterly Report	October 30, 2020
IX. (56)	Quarterly Report	January 30, 2021
IX. (57)	18th Semi-Annual Report	January 30, 2021
IX. (57)	9th Annual Report	February 29, 2021

^a Refer to Section 8.a for exception notation.

^b Revision to submittal date expected pending approval of Modification to the CD.

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 7/1/2020 to 12/31/2020

- 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 694–697).
 - a. Conducted CERP refresher training for 378 personnel in divisions of DWM. New DWM employees are trained in CERP during New Employee Orientation.
 - b. Provided training to 415 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 from other departments and DWM and improves response when other departments have information regarding an SSO.)
 - c. Conducted CERP training for 119 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 699–700).
 - a. Amplified community awareness and education efforts related to FOG. More than 667 FOG educational fliers were distributed to residents in areas of spills and at community events, informing community members about the effects of FOG on the collection system (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 703–706).
 - a. Continued to monitor and coordinate areas for follow-up cleaning or rehabilitation measures. Upon completion of initial response cleaning (approximately 6,953 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 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 timeframe in the legal organ. (The *Champion Newspaper*, which publishes once per week, requires up to a 10-day pre-notice timeframe). Notwithstanding the inability to meet the 7-day timeframe, 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 1/1/2021 to 6/30/2021

- i) Provide multiple instances of training (refer to Gantt chart lines 694–697).
 - a. Continue to provide CERP refresher training to personnel within DWM as conditions allow per COVID-19 safety protocols. These classes usually take place in the first and second quarter of the year. All personnel are required to attend training yearly. Anticipate training of approximately 685 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 699–700).
 - a. Continue community awareness and education efforts related to FOG. DWM will continue to work with a team focused on distributing fliers and attending community events.
- iii) Provide solutions to resolve SSOs and potential SSOs before they occur (refer to Gantt chart lines 703–706).
 - a. Continue to monitor and coordinate areas for follow-up cleaning or rehabilitation measures after an SSO. Areas that have experienced an SSO to 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 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 7/1/2020 to 12/31/2020

- i) To prevent FOG from entering the collection system, the following education efforts were executed (refer to Gantt chart lines 709–710).
 - a. Sponsored 10 public outreach events reaching approximately 132 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 worked 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 will continue during the 2020–2021 school year.
 - c. For the July 1 through December 31, 2020, reporting period, DWM conducted 11 school events with 14 presentations reaching approximately 201 students with information about FOG and its effect on sewer systems.
- ii) Program Compliance and Enforcement (refer to Gantt chart lines 714–717)
 - a. Total inspections: 1,357. 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: 299. 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: 322. All FSEs proposing to discharge or currently discharging wastewater that contains FOG must obtain a FOG wastewater discharge permit annually or cease ongoing operation.
 - d. Court summons issued: 3
 - i. A total of 3 cases were resolved with the FSE paying a fine and coming into compliance with the ordinance.
- iii) Program statistics (refer to Gantt chart lines 719–721)
 - a. Though not a part of the CD, 9 multifamily complexes were cited for violations related to the FOG ordinance.
 - b. Performed quarterly FOG and Multifamily Housing workshop.

b) Projects and Activities Anticipated for the Reporting Period 1/1/2021 to 6/30/2021

- i) Community Education (refer to Gantt chart lines 709–710)
 - 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 714–717)
 - a. Continue to perform inspections of FSEs and issue citations for non-compliance.
 - 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 7/1/2020 to 12/31/2020

- i) Data Input and Quality Control (refer to Gantt chart lines 726–727)
 - 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 543 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 730–733)
 - a. The GIS platform has been revised 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. Additionally, new third-party tools have been added to the GIS software to enhance QA/QC processes through better integration of multiple data sources and through dataset comparison features. Further, a database of project as-built construction drawings has been created to facilitate updates to the GIS for completed sewer projects. Created specific online maps and applications to support specific tasks and projects. Continued to update main online web viewer (WAV) for wider access across user groups. Created an online web application gallery for use by project managers and team members. This

allows for a central location to access all maps, applications, and data. Continued updates and support through the GIS interface with Cityworks, the County's CMMS system.

b) Projects and Activities Anticipated for the Reporting Period 1/1/2021 to 6/30/2021

- i) Data Input and Quality Control (refer to Gantt chart lines 726–727)
 - a. Identify which assets are in areas without sufficient or properly recorded easement documents. A total of 577 easements will be added to the GIS system.
 - 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 ArcGIS story maps to 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 7/1/2020 to 12/31/2020

- i) Continue to implement the revised Training Program (2018) using the Training Matrix, Training Calendar, and Compliance Suite software. A total of 4,563 hours of training was performed during this period (refer to Gantt chart lines 739–741).
- 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: 191 (344 online), 535 total
 - c. Confined Space Awareness: 0
 - d. Department Safety Management Systems: 42
 - e. Emergency Action/Response Plan: 194 (345 online) 539 total
 - f. Employee Rights and Responsibilities: 43
 - g. Ergonomics: 41
 - h. Fire Prevention Plans: 42
 - i. Hazard Communication: 190 (344 online) 534 total
 - j. Medical Services and First Aid: 42
 - k. Personal Protective Equipment: 194 (350 online) 544 total
 - l. Safety Management Division Overview: 42

- m. Slip, Trips & Falls: 42
- n. Workplace Violence: 42 (354 online) 396 total

b) Projects and Activities Anticipated for the Reporting Period 1/1/2021 to 6/30/2021

- i) Continue implementation of updated Training Program using Training Matrix, Training Calendar, and Compliance Suite software to track compliance (refer to Gantt chart lines 739–741).
- ii) Continue producing and distributing reports of participation by cost center.
- iii) Continue online (virtual) 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 7/1/2020 to 12/31/2020

- i) Continued implementing a robust maintenance and calibration program, supporting a monthly average of 275 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 962 and 963). For the reporting period, the flow monitoring field crews completed the following:
A total of 1,663 flow meter maintenance visits including:
 - a. 863 battery replacements
 - b. 211 flow monitor calibrations
 - c. 19 new modem installations on existing flow monitors (refer to Gantt chart line 961)
 - d. 167 rain gauge maintenance visits (refer to Gantt chart line 962)
- ii) The County 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 and 4 permanent meters were installed, including 1 new meter installed in an SSO manhole location and 3 relocations of permanent CD meters (refer to Gantt chart line 962).
- iv) Removed temporary meters for completed capacity studies and Capital Improvement Program (CIP) projects. For this period, 20 temporary meters were removed as well as one spill site meter, which was removed because of increasingly unsafe conditions in the ground slope to set up confined space safety equipment per the County’s Health and Safety Plan.
- v) Continued collecting data to support multiple CMOM programs and engineering studies.
 - a. Generating reports for inter-governmental 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 as SSO.

- vii) Deployment of the manhole-mounted I/I monitoring system in new area. Data processing from the deployment is in process, and additional location candidates have been identified for future deployments in 2021 (refer to Gantt chart line 956).
- viii) Implemented an audit program to quantify and track data quality. The audit program includes consideration for timeliness of maintenance visits, consistency, and timeliness of QA/QC communications, and minimizing data loss (refer to Gantt chart line 960).

b) Projects and Activities Anticipated for the Reporting Period 1/1/2021 to 6/30/2021

- 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 962).
- iii) Maintain working cellular modems, replacing where necessary, with priority given to flow monitors identified as permanent (refer to Gantt chart line 961).
- 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 956).

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

a) Projects and Activities Accomplished for the Reporting Period 7/1/2020 to 12/31/2020

- i) Evaluated/inspected 18,704 lf of sewer pipe (refer to Gantt chart line 968).
- ii) No new lift stations acquired this period (refer to Gantt chart line 969).
- iii) Wastewater plan review (buildings): 586 (refer to Gantt chart line 970).
- iv) Wastewater plan review (land disturbance): 105 (refer to Gantt chart line 971).
- v) Final plat reviews: 19 (refer to Gantt chart line 972).
- vi) FOG building reviews: 463 (refer to Gantt chart line 973).
- vii) FOG land disturbance reviews: 49 (refer to Gantt chart line 973).
- viii) Backflow reviews (Bldg. & LDP): 516 (refer to Gantt chart line 973).
- ix) Sewer capacity requests received: 212 (refer to Gantt chart line 974).
- x) Capacity letters issued: 162 (refer to Gantt chart line 975).
- xi) Conditional capacity letters issued: 30 (refer to Gantt chart line 975).
- xii) Sewer capacity requests canceled: 2 (refer to Gantt chart line 976).

Exception Reporting: The wastewater flows from approved capacity requests are being tracked and incorporated into the fully developed model(s), and allotment letters are provided at a developer's request. Allotment letters indicating that the applicant's wastewater flows were being allotted for a limited period were not provided to all applicants.

b) Projects and Activities Anticipated for the Reporting Period 1/1/2021 to 6/30/2021

- i) Integrate capacity allotment process with cities' permitting procedures (refer to Gantt chart line 986).

7. System-Wide Hydraulic Model

a) Projects and Activities Accomplished for the Reporting Period 7/1/2020 to 12/31/2020

- i) Completed the Intrenchment Creek groundwater infiltration module calibration update (refer to Gantt chart line 1292).
- ii) Began updating and recalibrating the North Fork Peachtree Creek hydraulic model (refer to Gantt chart line 1089).
- iii) Submitted dynamic hydraulic model reports to EPA/EPD for Intrenchment Creek and Nancy Creek (revised per EPA/EPD comments), North Fork Peachtree Creek, South Fork Peachtree Creek, Snapfinger, Pole Bridge, and Miscellaneous model areas (refer to Gantt chart lines 1288, 1035, 1089, 1136, 1188, 1240, and 1342, respectively).

b) Projects and Activities Anticipated for the Reporting Period 1/1/2021 to 6/30/2021

- i) Complete the development of preliminary Snapfinger CIP project recommendations in the model.
- ii) Complete the development of preliminary South Fork Peachtree Creek CIP project recommendations in the model.
- iii) Complete the development of preliminary Intrenchment Creek CIP project recommendations in the model.
- iv) Complete the North Fork Peachtree Creek groundwater infiltration module calibration update.
- v) Continue updating and recalibrating the hydraulic models as required based on updated GIS data, lift station operation data, and flow monitoring data collected.
- vi) Continue conducting model runs 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 7/1/2020 to 12/31/2020

- i) For Design Build Package No. 2, construction completed for early work components. Construction is complete for several projects. This design build package is to address structural defects identified from assessment activities and improve conveyance capacity (refer to Gantt chart lines 1641–1655).
- ii) For Design Build Package No. 3, construction is complete for majority of early work components. Construction is complete for two of the seven projects. This design build package is to address structural defects identified from assessment activities and improve conveyance capacity (refer to Gantt chart lines 1666–1675).
- iii) Completed construction to address repeated SSOs for 125 Beaumont Avenue, 101 Green Street, and 608 South McDonough Street.
- iv) Design for Rehabilitation Package No. 5 (Priority 1) and Package No. 7 is ongoing. Design for Rehabilitation Package No. 6 and Package No. 8 is complete. These rehabilitation packages include capacity improvement projects. Projects within these packages will address I/I mitigation upstream of Thrasher Circle, Cobb Branch, Miriam Lane, Meadow Creek Path, and Country Squire (refer to Gantt chart lines 1682–1699).

- v) Annual Construction Contracts 1 through 4 completed lining and point repair construction (refer to Gantt chart line 1713).
- vi) Completed procurement for Gravity Sewer Rehabilitation and Replacement Contract 1. (refer to Gantt chart lines 1720–1721).
- vii) Ongoing construction (lining/point repair) for Co-Op Agreement 1 (refer to Gantt chart line 1735).
- viii) Ongoing construction (lining/point repair) for Co-Op Agreement 2 (refer to Gantt chart line 1744).

Exception Reporting: As EPA/EPD are aware, the County did not complete the rehabilitation of all Initial and Additional Priority Areas by June 2020. The Agencies are also aware of the County's plans to complete the work.

b) Projects and Activities Anticipated for the Reporting Period 1/1/2021 to 6/30/2021

- i) Continue construction of projects in Design Build Rehabilitation Packages Nos. 2 and 3 (refer to Gantt chart lines 1641–1655 and 1666–1675, respectively).
- ii) For Rehabilitation Package Nos. 5 and 7, complete design of capacity improvement projects (refer to Gantt chart lines 1682 and 1697–1699, respectively).
- iii) Issue Notice to Proceed for Gravity Sewer Rehabilitation and Replacement Contract 1 (refer to Gantt chart line 1722).
- iv) Under Gravity Sewer Rehabilitation and Replacement Contract 1, begin construction of Package Nos. 6 and 8 projects to mitigate I/I (refer to Gantt chart line 1725).
- v) Continue construction under Co-Op Agreement 1 contract (refer to Gantt chart line 1735).
- vi) Continue construction under Co-op Agreement 2 contract (refer to Gantt chart line 1744).
- vii) Begin geotechnical investigations and surveying for design of large trunk capacity projects .

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

a) Projects and Activities Accomplished for the Reporting Period 7/1/2020 to 12/31/2020

- i) Performed ongoing tiered assessment in OSARP areas. Completed approximately 495,634 lf of smoke testing, 353,654 lf of acoustic inspections, and 1,232 manhole condition assessments (refer to Gantt chart lines 2021–2065).
- ii) Completed approximately 4.08 miles of Totally Integrated Sonar and Camera Inspection Technique (TISCIT) assessments of large-diameter trunk sewers in OSARP areas (refer to Gantt chart lines 2136–2155).
- iii) Removed approximately 153 tons of debris from large-diameter trunks that may contribute to restoration of capacity in the system (refer to Gantt chart lines 2159–2181).

b) Projects and Activities Anticipated for the Reporting Period 1/1/2021 to 6/30/2021

- i) Continue tiered assessment in OSARP areas. Anticipate completing approximately 65 miles of CCTV assessments, 170 miles of smoke testing, 122 miles of acoustic inspections, and 2,500 manhole condition assessments (refer to Gantt chart lines 2021–2065).
- ii) Complete approximately 30 miles of TISCIT assessments of large-diameter trunks in OSARP areas (refer to Gantt chart lines 2136–2155).

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

a) Projects and Activities Accomplished for the Reporting Period 7/1/2020 to 12/31/2020

- i) To address maintenance-related SSOs (grease, roots, debris, or any combination), the following maintenance activities were completed (refer to Gantt chart line 3604):
 - a. Performed 319 miles of small-diameter (15 inches or smaller) sewer cleaning. This represents 14 percent of the system.
 - b. A total of 130 miles of sanitary sewer mains were treated for roots using chemicals. This represents 5.2 percent of the system.
 - c. A total of 6,353,202 square feet (ft²), or approximately 47.4 linear miles, of easements were cleared. Clearing of easements is essential to provide access to appurtenances and curtail root growth that could damage pipes.
- ii) Performed 1,089 sewer creek crossing inspections for pipes previously identified as needing revisit within a year (refer to Gantt chart line 3605).
- 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 owner repair the defect and respond with proof of completion. A total of 462 letters were sent, and 266 repairs were completed on laterals (refer to Gantt chart line 3606).
- 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 if pipes needing cleaning based on the percent of the pipe that was blocked. The crew assessed 0.94 miles of pipe (refer to Gantt chart line 3608).
- v) Completed analysis of email notification procedures for spill and other CD notices.

b) Projects and Activities Anticipated for the Reporting Period 1/1/2021 to 6/30/2021

- i) Perform 300 miles of small-diameter (15 inches or smaller) sewer cleaning.
- 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 3604).
- 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 3604).
- iv) Complete creek crossing inspections for those crossings identified as needing yearly inspections. Approximately 400 crossings will be completed during this period (refer to Gantt chart line 3605).
- v) Use SL-RAT acoustic inspection tool to assess 2 miles of pipe (refer to Gantt chart line 3608).
- vi) Implement new system of email using mass notification with incident communication software.

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

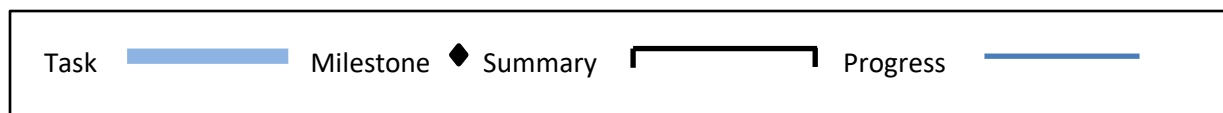
Finished - Date the task finished or is projected to finish.

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 #18																
ID	Task Name	Start	Finish	% Complete	CD/CMOM	20												20
						Date	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
4	Capacity Management, Operations and Maintenance Programs (CMOM) Update	4/4/14																
30	0. Consent Decree Reporting	4/7/14		Ongoing														
112	Quarterly SSO Reporting			Ongoing														
142	Quarterly Recurring Report to EPA (2020)		10/30/20															
144	Submit Quarterly SSO Report 34		7/30/20	100%	NA	7/30/20												
145	Submit Quarterly SSO Report 35		10/30/20	100%			10/30/20											
146	Quarterly Recurring Report to EPA (2021)		4/30/21															
147	Submit Quarterly SSO Report 36		1/30/21	0%							1/30/21							
148	Submit Quarterly SSO Report 37		4/30/21	0%												4/30/21		
149	Semi-Annual Recurring Reporting to EPA			Ongoing														
240	Semi-Annual Recurring Report 17		7/30/20															
247	Submit Semi-Annual Report 17 to EPA		7/30/20	100%	NA	7/30/20												
248	Semi-Annual Recurring Report 18		1/30/21								1/30/21							
249	Submit Semi-Annual Report 18 to EPA		1/30/21	0%							1/30/21							
250	Annual Recurring Reporting to EPA			Ongoing														
310	Annual Recurring Report 9		3/1/21										3/1/21					
311	Submit Annual Report 09 to EPA		3/1/21										3/1/21					
686	1. Contingency and Emergency Response Plan (CERP)			Ongoing														
693	Training			Ongoing														
694	Conduct CERP refresher training (378 DWM staff plus new employees in 2H20)			Ongoing														
695	Conduct SSO training regarding identification and reporting requirements (415 County staff plus new employees in 2H20)			Ongoing														
696	Continue monthly first responder training relating to CERP & operational policies and procedures			Ongoing														
697	Conduct CERP training to contractor personnel involved with CD-related projects (119 Contractor staff in 2H20)			Ongoing														
698	Community Awareness			Ongoing														

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DeKalb County Department of Watershed Management		Semi-Annual Report #18															
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	20						20					
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
699	Continue to expand social media presence for spill reporting			Ongoing													
700	Amplify community awareness and educational efforts relating to FOG (distributed 667 FOG flyers in 2H20)			Ongoing													
701	Corrective Actions			Ongoing													
703	Continue to monitor and coordinate areas for follow up cleaning or rehabilitation (6,953 If cleaned in 2H20)			Ongoing													
704	Finalize & 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													
705	Strengthen focus on proper identification of the root cause, short term and long term solutions of SSO's			Ongoing													
706	Address long term solutions to maintenance related SSO's by implementing root control and cleaning asset management programs			Ongoing													
707	2. Fats, Oils and Grease (FOG) Management Program			Ongoing													
708	Community Education			Ongoing													
709	Sponsor public outreach with FOG info (10 Events reaching 132 Citizens in 2H20)			Ongoing													
710	Sponsor school outreach with "No FOG, No Clog" info. Conducted school events with focus on FOG's impact to sewer system (11 Events and 14 Presentations reaching 201 students in 2H20)			Ongoing													
713	Program Compliance and Enforcement			Ongoing													
714	Perform FOG interceptor inspections on food service establishments (1,357 in 2H20)			Ongoing													
715	Issue FOG interceptor warning citations requiring compliance (299 in 2H20)			Ongoing													
716	Issue FOG interceptor permits (322 in 2H20)			Ongoing													
717	Issue FOG interceptor court summons (3 Summons issued in 2H20 with 3 cases resolved)			Ongoing													
718	Program Statistics			Ongoing													
719	Food service haulers remove fats, oil and grease			Ongoing													

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DeKalb County Department of Watershed Management		Semi-Annual Report #18															
ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date	20						20					
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
721	Placed multifamily complexes under enforcement for violations related to FOG ordinance regulating spills (9 multifamily violations in 2H20)			Ongoing													
724	3. Sewer Mapping Program			Ongoing													
725	Data Input and Quality Control			Ongoing													
726	Continue to populate Geographic Information System (GIS) map layer for sanitary sewer easements to provide access locations for maintenance assets (543 easements were identified from drawings and subdivision plats and added to GIS layer in 2H20)			Ongoing													
727	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													
728	System Enhancements			Ongoing													
730	Created specific online maps and applications to support specific tasks and projects			Ongoing													
731	Created as-built database to ensure GIS is updated in relationship to projects			Ongoing													
732	Continue to produce maps of sewer assets for field operations that include linear assets and easements			Ongoing													
733	Created an online web application gallery for use by Project Managers and team members			Ongoing													
735	4. Collection and Transmission Systems (C&TS) Training Program			Ongoing													
739	Continue to generate monthly training reports for superintendents and managers and quarterly for executive management staff to schedule training for personnel			Ongoing													
740	Implement updated training program utilizing training matrix, training calendar and compliance suite software (4,563 hours of training performed in 2H20)			Ongoing													
741	Knowledge Officer & Supervisors work to document & schedule training as described in program			Ongoing													
742	5. System-Wide Flow & Rainfall Monitoring Program																
954	Flow Monitoring Program - Management																
956	Install manhole mounted infiltration/inflow monitoring system			Ongoing													

DeKalb County Department of Watershed Management		Semi-Annual Report #18															
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	20						20					
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
960	Implement an audit program to quantify and track flow monitoring data			Ongoing													
961	Install modems into flow meters and rain gauges (19 in 2H20)			Ongoing													
962	Continue calibration and maintenance of flow monitoring and rain gauge network			Ongoing													
963	Continue QA/QC regarding flow monitoring and rain gauge data			Ongoing													
964	Flow Monitoring Program - CMOM Support			Ongoing													
965	DWM places temporary monitors in system to determine available sewer capacity for specific projects			Ongoing													
966	Collect data to support multiple CMOM projects			Ongoing													
967	6. Infrastructure Acquisitions Program			Ongoing													
968	Evaluate/inspect wastewater pipe (18,704 lf in 2H20)			Ongoing													
969	Review lift station acquisitions as required (0 in 2H20)			Ongoing													
970	Complete wastewater plan reviews of buildings (586 in 2H20)			Ongoing													
971	Complete wastewater plan reviews of land disturbances (105 in 2H20)			Ongoing													
972	Complete final plat reviews (19 in 2H20)			Ongoing													
973	Complete FOG building reviews (463 in 2H20)			Ongoing													
974	Review sewer capacity requests (212 received in 2H20)			Ongoing													
975	Issue capacity letters (192 in 2H20)			Ongoing													
976	Sewer capacity requests (2 Canceled in 2H20)			Ongoing													
980	Continue to review projects converting from septic to sewer			Ongoing													
981	Continue to review final plats, as-builts and sewer easements for acceptance			Ongoing													
982	Continue providing customer service to applicants/citizens requesting assistance			Ongoing													
984	Use the revised interim protocols for capacity assurance and certification of capacity connections			Ongoing													
986	Integrate capacity allotment process with cities' permitting procedures			Ongoing													
987	Continue using steady state hydraulic routing model for capacity request reviews until dynamic models are approved by the County			Ongoing													
988	7. System-Wide Hydraulic Model			100%													
991	Dynamic Model Development - Nancy Creek				6/30/20												

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DeKalb County Department of Watershed Management					Semi-Annual Report #18															
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	20														
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
1029	Report & Training																			
1035	Submitted dynamic model and report to EPA/EPD		9/30/20	100%																
1040	Dynamic Model Development - North Fork Peachtree Creek																			
1080	Report & Training																			
1086	Submitted dynamic model and report to EPA/EPD		9/30/20	100%	6/30/20															
1087	Ongoing Maintenance and Support																			
1089	Update and calibrate hydraulic model	10/15/20	7/1/21	25%	NA															
1090	Dynamic Model Development - South Fork Peachtree Creek																			
1130	Report & Training																			
1136	Submitted dynamic model and report to EPA/EPD		9/30/20	100%	6/30/20															
1141	Dynamic Model Development - Snapfinger																			
1181	Report & Training																			
1188	Submitted dynamic model and report to EPA/EPD		9/30/20	100%	6/30/20															
1193	Dynamic Model Development - Pole Bridge																			
1234	Report & Training																			
1240	Submitted dynamic model and report to EPA/EPD		9/30/20	100%	6/30/20															
1245	Dynamic Model Development - Intrenchment Creek																			
1283	Report & Training																			
1288	Submitted dynamic model and report to EPA/EPD		9/30/20	100%	6/30/20															
1290	Ongoing Maintenance and Support																			
1291	Update and calibrate hydraulic model	9/1/20	7/1/21	25%	NA															
1293	Completed groundwater infiltration module calibration update		12/30/20	100%	NA															
1294	Dynamic Model Development - Misc Intergovernmental																			
1335	Report & Training																			
1342	Submitted dynamic model and report to EPA/EPD		9/30/20	100%	6/30/20															
1357	8. Priority Areas Sewer Assessment and Rehabilitation Program (PASARP)				Ongoing															
1584	EPA Projects Construction		3/31/21		6/30/20															

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DeKalb County Department of Watershed Management					Semi-Annual Report #18												
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	20						20					
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1589	3597 Sunderland Circle (DB3)	8/1/19	3/31/21	60%		3/31/21											
1590	1576 Nantahalla Court (DB3)	8/1/19	2/26/21	90%		2/26/21											
1591	2312 Clairmont Rd, A-IG6 (DB3)	8/1/19	3/31/21	85%		3/31/21											
1592	215 Beaumont Avenue (DB3)	8/29/19	9/30/20	100%		9/30/20											
1593	608 S McDonough St (DB3)	2/3/20	3/29/21	70%		3/29/21											
1628	Design Build Contract 2 - Package 2	1/12/18	6/30/21														
1637	DB2 Construction	4/16/18	3/31/21		6/30/20												
1641	Proj 04 - Nancy Creek Branch 2	3/1/19	3/31/21	90%		3/31/21											
1642	Proj 05 - Nancy Creek Branch 1	2/26/19	3/31/21	80%		3/31/21											
1643	Proj 06 - A-IG2	5/16/18	3/31/21	85%		3/31/21											
1654	Substantial Completion	3/31/21	3/31/21	0%		3/31/21											
1655	Corn Creek_8	6/30/21	6/30/21	0%		6/30/21											
1656	Design Build Contract 3 - Package 3	10/25/18	6/2/21														
1665	DB3 Construction	8/1/19	3/31/21		6/30/20												
1666	Proj 01 - 3597 Sunderland Circle, 1083 Wimberly Rd, A-IG4 (EPA, OSARP SSO)	8/1/19	3/31/21	90%		3/31/21											
1667	Proj 02 - 1576 Nantahalla Court (EPA)	8/1/19	2/26/21	90%		2/26/21											
1668	Proj 03 - 2312 Clairmont Rd, A-IG6 (EPA)	8/1/19	3/31/21	85%		3/31/21											
1669	Proj 04 - 854 Sheppard Rd (OSARP SSO)	10/17/19	3/31/21	70%		3/31/21											
1670	Proj 04 - A-SF2 (OSARP SSO)	10/17/19	3/31/21	75%		3/31/21											
1671	Proj 05 - Snapfinger Woods Dr (OSARP SSO)	8/29/19	3/31/21	70%		3/31/21											
1672	Proj 06 - 215 Beaumont Avenue (EPA)	8/29/19	9/30/20	100%		9/30/20											
1673	Proj 07 - 608 S McDonough St (EPA)	2/3/20	3/29/21	70%		3/29/21											
1674	Substantial Completion	3/31/21	3/31/21	0%		3/31/21											
1675	Final Completion	6/2/21	6/2/21	0%		6/2/21											
1676	Annual AE Contract 1 - Package 5 (Design Only)	5/11/18	2/26/21		6/30/20												
1682	Priority 1 Projects (Components 3, 4, 12 14)	3/13/19	2/26/21	80%		2/26/21											
1683	Priority 2 Projects (Components 2, 5, 6, 9, 11, 13)	3/13/19	10/30/20	100%		10/30/20											

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DeKalb County Department of Watershed Management					Semi-Annual Report #18																	
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	20																
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun					
1684	Priority 3 Projects (Components 7, 8, 10)	3/13/19	9/30/20	100%					9/30/20													
1693	Annual AE Contract 3 - Package 7 (Design Only)	10/1/18	3/31/21		6/30/20																	
1697	Priority 1A Projects (Component 8)	1/3/19	3/31/21	95%																		3/31/21
1698	Priority 2 Projects (Components 1, 3, 4)	1/3/19	3/31/21	90%																		3/31/21
1699	Priority 3 Projects (Components 5, 7, 9)	10/4/19	3/31/21	95%																		3/31/21
1711	Annual Construction Contracts 1-4	1/2/19	12/18/20		6/30/20																	
1712	Issue Task Orders for Lining/Point Repair Construction	1/2/19	12/31/19	100%																		
1713	C1-4 Lining/Point Repair Construction	8/8/19	12/18/20	100%																		12/18/20
1714	New Annual Construction Contracts (GSRR's)	5/1/19	2/28/25		6/30/20																	
1715	GSRR1 Procurement	5/1/19	3/1/21																			
1720	PWI Committee Approve Contract	4/7/20	7/7/20	100%																		
1721	BOC Approve Contract	7/8/20	7/14/20	100%																		
1722	P&C Issue NTPs	7/15/20	3/1/21	0%																		3/1/21
1723	GSRR1 Construction	3/1/21	2/28/25		6/30/20																	
1724	Issue Task Orders for Rehab/Upsizing Construction	3/1/21	3/1/21	0%																		3/1/21
1725	Gravity Sewer Rehabilitation and Replacement Construction	3/2/21	2/28/25	0%																		
1726	New Co-Op Agreements	2/1/19	9/30/21																			
1733	Construction Contract COP1	8/1/19	5/20/20		6/30/20																	
1735	COP1 Lining/Point Repair Construction	8/2/19	3/31/21	85%																		3/31/21
1742	Construction Contract COP2	10/16/19	9/30/21		6/30/20																	
1744	COP2 Lining/Point Repair Construction	10/16/19	9/30/21	60%																		
1761	Construction Task Orders	1/2/19	6/30/22																			
1762	Multiple Contractors	1/2/19	6/30/22		6/30/20																	
1764	Task 1 - Phs 1b - 3230 Boring Road / 4347 Flat Shoals Pkwy (RGI)	1/2/19	10/9/20	100%																		10/9/20
1765	Task 1 - Phs 1c - 3230 Boring Road / 4347 Flat Shoals Pkwy (IPR)	7/19/19	3/31/21	70%																		3/31/21
1766	Task 1 - Phs 2a - 3230 Boring Road / 4347 Flat Shoals Pkwy (Insituform)	8/3/20	7/30/21	85%																		
1767	Task 1 - Phs 2b - 3230 Boring Road / 4347 Flat Shoals Pkwy (GSRR)	3/31/21	12/31/21	0%																		

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DeKalb County Department of Watershed Management		Semi-Annual Report #18															
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	20						20					
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1803	Task 13 - Phs 2a - 3449 Brookfield Lane / 4124 Flakes Mill Road {Insituform}	1/26/20	7/30/21	85%													
1804	Task 13 - Phs 2b - 3449 Brookfield Lane / 4124 Flakes Mill Road {GSRR}	6/30/21	12/31/21	0%													
1805	Task 14 - Phs 1a - Panthersville Road {Granite}	9/13/19	6/16/20	100%		6/20											
1807	Task 14 - Phs 2a - Panthersville Road {Insituform}	1/10/20	7/30/21	95%													
1808	Task 14 - Phs 2b - Panthersville Road {GSRR}	6/30/21	12/31/21	0%													
1809	9. Ongoing Sewer Assessment and Rehabilitation Program (OSARP)	11/1/14	10/31/22														
2006	OSARP Projects by Work Order	5/10/17	10/31/22														
2007	OSARP Tiered Projects Tier I Assessments		5/4/22														
2008	Acoustic Testing 353,654 lf in 2H20)		5/4/22		NA												
2021	Intrenchment Creek	3/26/18	4/29/22	96%													
2022	Nancy Creek	3/1/19	5/4/22	72%													
2023	Upper Snapfinger Creek	2/1/19	5/4/22	96%													
2024	South Fork Peachtree Creek	4/1/19	5/4/22	61%													
2025	Barbashela Creek	6/3/19	4/29/22	35%													
2026	Lower Snapfinger Creek	7/1/19	4/29/22	95%													
2028	Smoke Testing (495,634 lf in 2H20)		4/29/22		NA												
2041	Intrenchment Creek	3/26/18	4/29/22	97%													
2042	Nancy Creek	3/26/18	4/29/22	95%													
2043	Upper Snapfinger Creek	2/1/19	4/29/22	92%													
2045	Barbashela Creek	6/3/19	4/29/22	92%													
2046	Lower Snapfinger Creek	7/1/19	4/29/22	98%													
2048	Manhole Condition Assessments (MCA) (1,232 each in 2H20)		4/29/22		NA												
2061	Intrenchment Creek	3/26/18	4/29/22	97%													
2062	Upper Snapfinger Creek	2/1/19	4/29/22	70%													
2063	South Fork Peachtree Creek	3/1/19	4/29/22	79%													
2064	Barbashela Creek	6/3/19	4/29/22	35%													
2065	Lower Snapfinger Creek	7/1/19	4/29/22	50%													

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DeKalb County Department of Watershed Management		Semi-Annual Report #18															
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	20						20					
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
2089	OSARP2 Tiered Projects Assessments - Procurement	1/13/20	10/30/20														
2099	P&C Receive Bids	6/18/20	8/31/20	100%		8/31/20											
2105	PWI Committee Approval of Contract	9/1/20	1/19/21	90%		1/19/21											
2107	Board Approval of Contract	1/20/21	1/26/21	0%								1/26/21					
2108	Procurement and Contracting Issuance NTP	1/26/21	3/31/21	0%								3/31/21					
2113	Capacity Restoration (Large Diameter) - OSARP Projects	1/17/15	12/17/24														
2132	Capacity Restoration - OSARP Projects	11/8/21	12/17/24		NA												
2133	TISCIT Inspections/Surveys (Raw Data) (4.08 miles in 2H20)	11/8/21	12/17/24														
2134	TISCIT Inspections/Surveys (Raw Data) (4.08 miles in 2H20)	6/5/17	12/31/20		NA												
2136	Upper Snapfinger Creek	8/22/17	12/31/20	92%		12/31/20											
2137	North Fork Peachtree Creek	4/10/18	12/31/20	90%		12/31/20											
2138	Conley Creek	2/5/18	12/31/20	90%		12/31/20											
2140	South Fork Peachtree Creek	3/29/18	12/31/20	89%		12/31/20											
2142	Peavine Creek	12/3/18	12/31/20	95%		12/31/20											
2143	Indian Creek	5/1/18	12/31/20	95%		12/31/20											
2144	Polebridge Creek	5/1/18	12/31/20	90%		12/31/20											
2146	Intrenchment Creek	6/28/18	12/31/20	60%		12/31/20											
2150	Ball Mill Creek	10/15/18	12/31/20	89%		12/31/20											
2151	Lower Stone Mountain Creek	10/30/18	12/31/20	96%		12/31/20											
2152	Barbashela Creek	11/19/18	12/31/20	94%		12/31/20											
2154	Honey Creek	3/12/19	12/31/20	98%		12/31/20											
2155	Doolittle Creek	3/19/19	12/31/20	94%		12/31/20											
2158	Large Diameter Cleaning (Raw Data) (153 tons in 2H20)	7/1/16	12/31/21		NA												
2159	Nancy Creek Sewershed_90	9/20/17	12/31/21	58%													
2160	Conley Creek_78	6/11/18	12/31/21	45%													
2161	Lower Snapfinger Creek_50	6/1/18	12/31/21	39%													
2162	Upper Snapfinger Creek_36	2/1/19	12/31/21	62%													

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DeKalb County Department of Watershed Management					Semi-Annual Report #18													
ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	20												
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
2163	North Fork Peachtree Creek_101	4/4/18	12/31/21	60%														
2164	Upper Crooked Creek_1	6/3/19	12/31/21	1%														
2165	South Fork Peachtree Creek	8/7/18	12/31/21	54%														
2166	Peavine Creek_25	3/1/19	12/31/21	17%														
2167	Indian Creek_3	3/1/19	12/31/21	59%														
2168	Polebridge Creek_109	7/1/16	12/31/20	49%														12/31/20
2169	Intrenchment Creek_37	11/7/17	12/31/21	2%														
2170	Shoal Creek_Melanie Court_3	3/1/19	12/31/21	32%														
2173	Sugar Creek_12	5/3/19	12/31/21	1%														
2174	Ball Mill Creek_6	6/3/19	12/31/21	1%														
2175	Lower Stone Mountain Creek_20	6/3/19	12/31/21	1%														
2176	Barbashela Creek_23	4/15/19	12/31/21	45%														
2177	Lower Crooked Creek_14	4/1/19	12/31/21	90%														
2178	Doolittle Creek_28	3/2/20	12/31/21	0%														
2179	Crooked Creek_19	3/2/20	12/31/21	0%														
2180	Honey Creek_20	3/2/20	12/31/21	0%														
2181		3/2/20	12/31/21	0%														
2183	Manhole Condition Assessments (0 each in 2H20)	3/31/17	12/31/21	50%	NA													
3603	10. Maintenance Management System (MMS)																	
3604	Address maintenance related to SSO's by cleaning small diameter pipe of 15 inches or smaller (319 Miles in 2H20), chemically treating roots in sewer mains (130 Miles in 2H20) and clearing easements (47.4 linear miles in 2H20)				Ongoing													
3605	Perform sewer creek crossing inspection of pipes requiring a revisit within a year (1,089 Inspections in 2H20)				Ongoing													
3606	Notify property owners of deficiencies with their private sewer laterals discovered by PASARP smoke testing. Requested owners to fix defects and respond with proof of completion (462 Letters sent and 266 Repairs completed on laterals in 2H20)				Ongoing													

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ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	20						20					
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
3608	Use Sewer Line Rapid Assessment Tool (SL_RAT) acoustic inspection tool to investigate blockages in pipes and determine if pipes need cleaning based on percentage blocked (.94 miles in 2H20)			Ongoing													
4355																	
4356																	
4357	Acronyms :																
4358	AE - Architectural Engineer or Design Consultant																
4359	BOC - Board of Commissioners																
4360	CCTV - Closed-circuit Television																
4361	CD - Consent Decree																
4362	CDPMT - Consent Decree Program Management Team																
4363	CERP - Contingency and Emergency Response Plan																
4364	CIP - Capital Improvement Program																
4365	CMOM - Capacity, Management, Operations, and Maintenance																
4366	C&TS - Collection & Transmission Systems																
4367	DB - Design Build																
4368	DBB - Design Bid Build																
4369	DWM - Department of Watershed Management																
4370	EPA - US Environmental Protection Agency																
4371	FOG - Fats, Oils & Grease																
4372	GIS - Geographic Information System																
4373	If - linear feet																
4374	LS - Lift Station																
4375	NTP - Notice to Proceed																
4376	OSARP - Ongoing Sewer Assessment and Rehabilitation Program																
4377	PASARP - Priority Area Sewer Assessment and Rehabilitation Program																
4378	P&C - Purchasing & Contracting																
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ID	Task Name	Start	Finish	% Complete	CD/CMOM Date	20											
						Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
4379	PWI - Public Works and Infrastructure																
4380	QA - Quality Assurance																
4381	QC - Quality Check																
4382	RFP - Request for Proposal																
4383	SSO - Sanitary Sewer Overflow																
4384	SSOAP - Sanitary Sewer Overflow Analysis & Planning software to capture & manage flow relationships																
4385	TISCIT - Totally Integrated Sonar and Camera Inspection Technology																
4386	TM - Technical Memorandum																
4387	WWF - Wet Weather Flow includes inflow and infiltration																
4388																	
4389	Levels																
4390	Level 1 - Task																
4391	Level 2 - SubTask																
4392	Level 3 - Area																
4393	Level 4 - Element																
4394	Level 5 - SubElement																
4402	Level 6 - SubSubElement																