
Semi-Annual Report No. 17

January 1, 2020, to June 30, 2020
Civil Action No. 1:10cv4039 - WSD

**DeKalb County
Department of Watershed Management**



DeKalb County
G E O R G I A



July 30, 2020

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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
IT	Innovation and Technology Department
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
RDII	rainfall-derived infiltration inflow
SL-RAT	Sewer Line Rapid Assessment Tool
SSO	sanitary sewer overflow
TISCIT	Totally Integrated Sonar and Camera Inspection Technique
TM	technical memorandum

Introduction

DeKalb County (hereafter, the “County”) submits this 17th 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.”

A number of projects and activities have taken place during the first 6 months of 2020, and several projects and activities are projected to be implemented in the second 6 months of 2020. 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.

In an effort to work towards protecting public health and the environment, especially during a pandemic, Wastewater services was considered essential and much of the staff as front-line workers. The efforts listed above, allowed DWM to continue to function - even initiating repair and replacement projects for areas previously subject to repeat 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 for appropriate distancing while virtual sessions are under development. Additionally, the County Innovation and Technology Department (IT) 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 now on block schedules to limit exposure and have been provided with appropriate PPE.

Though the County reacted quickly to ensure continuity in services, some programs were affected during this time with a decrease in training sessions, public events, public education, and minimum decrease in maintenance efforts as compared to 2019. Programs that had activities not completed in the first half of the year will be completed in the second half, as conditions allow per COVID-19 safety protocols.

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

Table 1. Consent Decree Submittals – Schedule and Status

CD No.	Title	DWM Submittal for Review
IX. (56)	Quarterly Report	January 30, 2020
IX. (57)	16th Semi-Annual Report	January 30, 2020
IX. (56)	Quarterly Report	April 30, 2020
VI. (35.i)	Completion of PASARP ¹	June 20, 2020
IX. (56)	Quarterly Report	July 30, 2020
IX. (57)	17th Semi-Annual Report	July 30, 2020
IX. (56)	Quarterly Report	October 30, 2020

Capacity, Management, Operations, and Maintenance Programs Update

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2020 to 6/30/2020

- i.) Provided multiple instances of training to ensure County personnel and applicable contractors are prepared to respond to sanitary sewer overflow (SSO) emergencies (refer to Gantt chart lines 687–690).
 - a. Conducted CERP refresher training for 70 personnel in divisions of Department of Watershed Management (DWM). New DWM employees are trained in CERP during New Employee Orientation.
 - b. Provided training to 307 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 8 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 692–693).
 - a. Amplified community awareness and education efforts related to FOG, the leading cause of SSO in the County. More than 2,387 FOG educational flyers were distributed to residents in areas of spills and at community events, informing community

¹ See Section 8.a for exception notation.

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 696–699).
 - a. Continued to monitor and coordinate areas for follow-up cleaning or rehabilitation measures. Upon completion of initial response cleaning (approximately 183,000 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 7/1/2020 to 12/31/2020

- i.) Provide multiple instances of training (refer to Gantt chart lines 687–690).
 - 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 700 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.
 - 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 692–693).
 - 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 696–699).

- 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 1/1/2020 to 6/30/2020

- i.) To prevent FOG from entering the collection system, the following education efforts were executed (refer to Gantt chart lines 702–703).
 - a. Sponsored 3 public outreach events reaching approximately 162 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 more than 102,000 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 2019–2020 school year.

For the January 1 through June 30, 2020, reporting period, DWM conducted 6 school events with 18 presentations reaching approximately 615 students with information about FOG and its effect on sewer systems.

- ii.) Program Compliance and Enforcement (refer to Gantt chart lines 707–710)
 - a. Total inspections: 1,776. 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: 262. 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: 927. 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: 38
 - i. A total of 20 cases were resolved with the FSE paying a fine and coming into compliance with the ordinance.
 - ii. A total of 10 cases were not resolved. The court date is still pending, or the defendant did not show, and the date was reset.

- iii. A total of 8 cases were dismissed.
- iii.) Program statistics (refer to Gantt chart lines 712–714)
 - a. More than 700,000 gallons of FOG removed by haulers from FSEs.
 - b. Though not a part of the CD, 11 multifamily complexes were cited for violations related to the FOG ordinance.
 - c. Performed quarterly FOG and Multifamily Housing workshop.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2020 to 12/31/2020

- i.) Community Education (refer to Gantt chart lines 702–703)
 - 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.) Compliance and Enforcement (refer to Gantt chart lines 707–710)
 - a. 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.
 - b. Continue enforcement of Industrial Pretreatment customers to install pretreatment systems if necessary.

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2020 to 6/30/2020

- i.) Data Input and Quality Control (refer to Gantt chart lines 719–720)
 - 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 655 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.
- ii.) System Enhancements (refer to Gantt chart line 727)
 - a. Transferred internally maintained web maps and applications to online maps and applications to provide wider access across user groups. This will allow for more users to access DWM data.
 - b. Uploaded GIS database to new, more robust and versatile server. DWM was able to realize an upgrade in speed and interoperability.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2020 to 12/31/2020

- i.) Data Input and Quality Control (refer to Gantt chart lines 719–720)
 - a. Identify which assets are in areas without sufficient or properly recorded easement documents. A total of 400 as-built drawings and subdivision plats are anticipated to be added to the GIS system.

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2020 to 6/30/2020

- i.) Continue to implement the revised Training Program (2018) using the Training Matrix, Training Calendar, and Compliance Suite software. A total of 1,356 hours of training was performed during this period (refer to Gantt chart lines 732–734).
- 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: 1
 - b. Blood-borne Pathogen: 67
 - c. Confined Space Awareness: 2
 - d. Department Safety Management Systems: 54
 - e. Emergency Action/Response Plan: 68
 - f. Employee Rights and Responsibilities: 51
 - g. Ergonomics: 52
 - h. Fire Prevention Plans: 41
 - i. Hazard Communication: 69
 - j. Medical Services and First Aid: 52
 - k. Personal Protective Equipment: 68
 - l. Safety Management Division Overview: 52
 - m. Slip, Trips & Falls: 42
 - n. Workplace Violence: 69

b) Projects and Activities Anticipated for the Reporting Period 7/1/2020 to 12/31/2020

- i.) Continue implementation of updated Training Program using Training Matrix, Training Calendar, and Compliance Suite software to track compliance (refer to Gantt chart lines 732–734).

- ii.) Continue producing and distributing reports of participation by cost center.

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2020 to 6/30/2020

- i.) Revised flow monitoring program installation technical memorandum (TM) for Snapfinger and Pole Bridge areas (refer to Gantt chart lines 935 and 940, respectively).
- ii.) Issued final flow monitoring installation TM for Snapfinger and Pole Bridge areas (refer to Gantt chart lines 936 and 941).
- iii.) Placed temporary monitors throughout the system, as needed, to assist in determining available sewer capacity for specific projects and to get additional detail and greater clarity on known collection system issues. For the reporting period, 12 new temporary meters were installed and 5 permanent meters were installed, including 3 new meters installed in SSO manhole locations and 2 relocations of permanent CD meters (refer to Gantt chart line 958).
- iv.) Collected data to support multiple CMOM programs. For example, flow data were used to determine spill volumes, as warranted, as part of the CERP (refer to Gantt chart line 959).
- v.) Used flow data to monitor depth of flow in the system. If measured depth showed significant increase or decrease during dry weather in comparison to historical data, an alert was sent to the Operations Division to dispatch personnel to investigate (refer to Gantt chart line 959).
- vi.) Maintained manhole-mounted infiltration and inflow (I/I) monitoring system. Flow analysis from the current flow monitoring network has identified drainage areas that have greater than average I/I contributions into the system. These I/I monitors selected will be used to further isolate potential locations of I/I (refer to Gantt chart line 949).
- vii.) Continued implementing a robust maintenance and calibration program, supporting a monthly average of 280 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 953 and 954). For the reporting period, the flow monitoring field crews completed the following:
 - a. 1589 flow meter maintenance visits including:
 - a. 710 battery replacements
 - b. 253 flow monitor calibrations
 - c. 381 site visits to temporary study meters
 - d. 14 new modem installations on existing flow monitors (refer to Gantt chart line 954)
 - b. 222 rain gauge maintenance visits (refer to Gantt chart line 956)
- viii.) Continued installation of cellular modems in flow monitors identified as permanent sites to reduce amount of data retrieval visits required to maintain data integrity (refer to Gantt chart line 953).

b) Projects and Activities Anticipated for the Reporting Period 7/1/2020 to 12/31/2020

- i.) Continue the use of flow monitors to collect data to support multiple CMOM programs (refer to Gantt chart line 959).

- ii.) Install monitors from the new manhole-mounted I/I monitoring system in areas identified as having I/I based on rainfall-derived infiltration inflow (RDII) determined from the permanent flow monitoring system and prioritized on severity of RDII and proximity to reported wet weather SSOs. The system includes sensors to measure depth of flow and software to analyze volumetric changes and pinpoint possible locations of I/I (refer to Gantt chart line 949).
- iii.) Maintain cellular modems, replacing when necessary, in flow monitors identified as permanent sites to reduce amount of data retrieval visits required to maintain data integrity (refer to Gantt chart line 953).
- iv.) Continue maintenance and calibration of rain gauges and flow monitors at least monthly with additional site visits as needed to support data quality (refer to Gantt chart line 955).
- v.) Finalize the water meter dataset to be used in analyzing results from the manhole-mounted I/I monitoring system (refer to Gantt chart line 949).

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2020 to 6/30/2020

- i.) Evaluated/inspected 28,799 lf of sewer pipe (refer to Gantt chart line 961).
- ii.) No new lift stations acquired this period (refer to Gantt chart line 962).
- iii.) Wastewater plan review (buildings): 548 (refer to Gantt chart line 963).
- iv.) Wastewater plan review (land disturbance): 91 (refer to Gantt chart line 964).
- v.) Final plat reviews: 25 (refer to Gantt chart line 965).
- vi.) FOG building reviews: 491 (refer to Gantt chart line 966).
- vii.) Sewer capacity requests received: 188 (refer to Gantt chart line 967).
- viii.) Capacity letters issued: 124 (refer to Gantt chart line 968).

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 7/1/2020 to 12/31/2020

- i.) Integrate capacity allotment process with cities' permitting procedures (refer to Gantt chart line 979).

7. System-Wide Hydraulic Model

a) Projects and Activities Accomplished for the Reporting Period 1/1/2020 to 6/30/2020

- i.) Completed DWM and peer review process for Snapfinger and Pole Bridge model areas (refer to Gantt chart lines 1231, 1232, and 1284).
- ii.) Completed training to County staff on model for North Fork Peachtree Creek, South Fork Peachtree Creek, Snapfinger, Pole Bridge, and Miscellaneous model areas (refer to Gantt chart lines 1132, 1183, 1234, 1286, and 1338, respectively).
- iii.) Completed the South Fork Peachtree Creek groundwater infiltration module calibration update.

- iv.) Held conference call with U.S. Environmental Protection Agency (EPA)/EPD to discuss technical review comments submitted on the Nancy Creek Model Report.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2020 to 12/31/2020

- i.) Complete the development of Snapfinger model for capacity relief projects.
- ii.) Continue updating and recalibrating the hydraulic models as required based on updated GIS data, lift station operation data, and flow monitoring data collected.
- iii.) Continue conducting model runs as required for ongoing Capital Improvement Program (CIP) projects.
- iv.) Submit to EPA/EPD dynamic hydraulic models and reports for North Fork Peachtree Creek, South Fork Peachtree Creek, Snapfinger, Pole Bridge, and Miscellaneous model areas.
- v.) Finalize dynamic models following additional technical discussions with EPA/EPD.

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2020 to 6/30/2020

- i.) For Design Build Package No. 1, construction completed for early work components. Construction for all work is complete including EPA project 161 Hood Circle. This design build package addressed structural defects identified from assessment activities and improved conveyance capacity (refer to Gantt chart lines 1602–1620).
- ii.) 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 1631–1648).
- iii.) For Design Build Package No. 3, construction continues for early work components. The remaining work is under final design or under construction. This design build package is to address structural defects identified from assessment activities and improve conveyance capacity (refer to Gantt chart lines 1659–1668).
- iv.) Completed construction to address repeated SSOs for Hood Circle and Phase 1 of Melanie Court (refer to Gantt chart lines 1581 and 1862, respectively).
- v.) Design for Rehabilitation Package No. 5 (Bundle 3) 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 1698–1722).
- vi.) Design is complete for remaining rehabilitation work not previously assigned to Rehabilitation Package Nos. 1 through 8 by CIP Project Manager (refer to Gantt chart line 1724).
- vii.) Annual Construction Contract 1 completed lining and point repair construction (refer to Gantt chart line 1729).
- viii.) Ongoing procurement for Gravity Sewer Rehabilitation and Replacement Contract (refer to Gantt chart lines 1776–1783).
- ix.) Ongoing construction (lining/point repair) for Co-Op Agreement 1 (refer to Gantt chart line 1807).

- x.) Ongoing construction (lining/point repair) for Co-Op Agreement 2 (refer to Gantt chart line 1816).

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 7/1/2020 to 12/31/2020

- i.) Continue construction of projects in Design Build Rehabilitation Packages Nos. 2 and 3 (refer to Gantt chart lines 1621–1668).
- ii.) For Rehabilitation Package Nos. 5 and 7, complete design of capacity improvement projects (refer to Gantt chart lines 1692–1700 and 1709-1715, respectively).
- iii.) Begin construction of Package Nos. 6 and 8 projects to mitigate I/I.
- iv.) Complete procurement for Gravity Sewer Rehabilitation and Replacement Contract (refer to Gantt chart lines 1776–1783).
- v.) Continue construction under Co-Op Agreements 1 and 2 contracts (refer to Gantt chart lines 1807 and 1816, respectively).
- vi.) Begin 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 1/1/2020 to 6/30/2020

- i.) Performed ongoing tiered assessment in OSARP areas. Completed approximately 66,845 lf of smoke testing, 93,192 lf of acoustic inspections, and 2,615 manhole condition assessments (refer to Gantt chart lines 2080–2137).
- ii.) Completed approximately 9.42 miles of Totally Integrated Sonar and Camera Inspection Technique (TISCIT) assessments of large-diameter trunk sewers in OSARP areas (refer to Gantt chart lines 2208–2227).
- iii.) Removed approximately 459 tons of debris from large-diameter trunks that may contribute to restoration of capacity in the system (refer to Gantt chart lines 2231–2253).
- iv.) Completed procurement process for OSARP 1 tiered assessment contract (refer to Gantt chart line 2158).
- v.) Continue procurement process for OSARP 2 tiered assessment contract (refer to Gantt chart lines 2161–2180).
- vi.) Continued assessments upstream of repeated SSO areas Sowell Estates, Meadow Creek Park, Garden Circle, and Beech Haven.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2020 to 12/31/2020

- i.) Continue tiered assessment in OSARP areas. Anticipate completing approximately 400,000 lf of smoke testing, 400,000 lf of acoustic inspections, and 1,500 manhole condition assessments (refer to Gantt chart lines 2080–2137).
- ii.) Complete approximately 10 miles of TISCIT assessments of large-diameter trunks in OSARP areas (refer to Gantt chart lines 2208–2227).
- iii.) Procure OSARP 2 tiered assessment contract (refer to Gantt chart lines 2161–2180).

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2020 to 6/30/2020

- i.) To address maintenance-related SSOs (grease, roots, debris, or any combination), the following maintenance activities were completed (refer to Gantt chart line 3676):
 - a. Performed 221 miles of small-diameter (15 inches or smaller) sewer cleaning. This represents 8 percent of the system.
 - b. A total of 88 miles of sanitary sewer mains were treated for roots using chemicals. This represents 3.3 percent of the system.
 - c. A total of 3,441,060 square feet (ft²), or approximately 44.7 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 512 sewer creek crossing inspections for pipes previously identified as needing revisit within a year (refer to Gantt chart line 3677).
- 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 709 letters were sent, and 231 repairs were completed on laterals (refer to Gantt chart line 3678).
- 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 1.7 miles of pipe (refer to Gantt chart line 3680).
- v.) Completed analysis of email notification procedures for spill and other CD notices. The implementation is expected later in the year.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2020 to 12/31/2020

- i.) 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 3676).
- ii.) 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 3676).
- iii.) 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 3677).
- iv.) 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	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	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	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	J	A	S	O	N	D	J	F	M	A	M	J

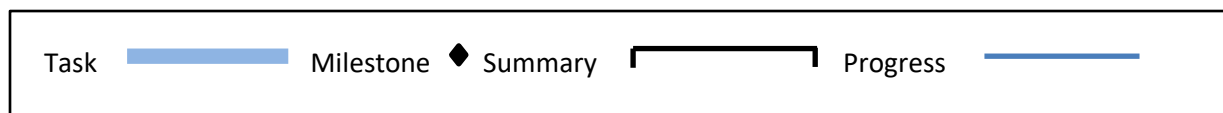
Finished - Date the task finished or is projected to finish.

DeKalb County Department of Watershed Management						Semi-Annual Report #14											
ID	Task Name	Start	Finish	CD/CMOM Date	% Complete	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	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.

ID	Task Name	Start	Finish	CD/CMOM Date	% Complete.	2020											
						J	F	M	A	M	J	J	A	S	O	N	D
4	Capacity Management, Operations and Maintenance Programs (CMOM) Update	4/4/14															
28	0. Consent Decree Reporting				Ongoing												
110	Quarterly SSO Reporting				Ongoing												
135	Quarterly SSO Report (2019)																
139	Submit Quarterly SSO Report 32	1/30/20	1/30/20	1/30/20	100												
140	Quarterly Recurring Report to EPA (2020)		10/30/20														
141	Submit Quarterly SSO Report 33	4/30/20	4/30/20	4/30/20	100												
142	Submit Quarterly SSO Report 34	7/30/20	7/30/20	7/30/20	0												
143	Submit Quarterly SSO Report 35	10/30/20	10/30/20	10/30/20	0												
144	Semi-Annual Recurring Reporting to EPA				Ongoing												
227	Semi-Annual Recurring Report 16		1/30/20														
234	Submit Semi-Annual Report 16 to EPA	1/30/20	1/30/20	1/30/20	100												
235	Semi-Annual Recurring Report 17		7/30/20														
242	Submit Semi-Annual Report 17 to EPA	7/30/20	7/30/20	7/30/20	0												
243	Annual Recurring Reporting to EPA				Ongoing												
297	Annual Recurring Report 8	1/29/20	2/27/20														
304	Submit Annual Report 08 to EPA	2/27/20	2/27/20	3/2/20	100												
679	1. Contingency and Emergency Response Plan (CERP)		6/30/20		Ongoing												
686	Training		6/30/20		Ongoing												
687	Conduct CERP refresher training (70 DWM staff plus new employees in 1H20)		6/30/20		Ongoing												
688	Conduct SSO training regarding identification and reporting requirements (307 County staff plus new employees in 1H20)		6/30/20		Ongoing												
689	Continue monthly first responder training relating to CERP & operational policies and procedures		6/30/20		Ongoing												
690	Conduct CERP training to contractor personnel involved with CD-related projects (8 Contractor staff in 1H20)		6/30/20		Ongoing												
691	Community Awareness		6/30/20		Ongoing												
692	Continue to expand social media presence for spill reporting		6/30/20		Ongoing												
693	Amplify community awareness and educational efforts relating to FOG (distributed 2,387 FOG flyers in 1H20)		6/30/20		Ongoing												
694	Corrective Actions		6/30/20		Ongoing												

DeKalb County Department of Watershed Management		Semi-Annual Report #17																
ID	Task Name	Start	Finish	CD/CMOM Date	% Complete.	2020												
						J	F	M	A	M	J	J	A	S	O	N	D	
720	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		6/30/20		Ongoing													
721	Data Application		6/19/20		Ongoing													
723	Continue updating GIS based web maps and dashboards that are accessible on internet and which assist with hot spot identification and trend analysis of data		6/19/20		Ongoing													
724	Create web applications, web maps and dashboards to display GIS data across CMOM programs		6/19/20		Ongoing													
725	Continue to produce maps of sewer assets for field operations that include linear assets and easements		6/19/20		Ongoing													
726	System Enhancements		6/30/20															
727	Uploaded GIS database to new more robust server	7/1/19	6/30/20		100													
728	4. Collection and Transmission Systems (C&TS) Training Program		6/30/20		Ongoing													
732	Continue to generate monthly training reports for superintendents and managers and quarterly for executive management staff to schedule training for personnel		6/30/20		Ongoing													
733	Implement updated training program utilizing training matrix, training calendar and compliance suite software (1,356 hours of training performed in 1H20)		6/30/20		Ongoing													
734	Knowledge Officer & Supervisors work to document & schedule training as described in program		6/30/20		Ongoing													
735	5. System-Wide Flow & Rainfall Monitoring Program	1/5/18	6/30/20															
911	Flow Monitoring Program - Installation Technical Memorandums (TM's)	4/1/19	1/3/20		100													
932	Snapfinger - Flow Monitoring Program TM	10/28/19	1/3/20		100													
935	Snapfinger - Revise flow monitoring program installation TM	12/16/19	1/3/20		100													
936	Snapfinger - Issue final flow monitoring program installation TM	1/3/20	1/3/20		100													
937	Pole Bridge - Flow Monitoring Program TM	10/28/19	1/3/20		100													
940	Pole Bridge - Revise flow monitoring program installation TM	12/16/19	1/3/20		100													
941	Pole Bridge - Issue final flow monitoring program installation TM	1/3/20	1/3/20		100													
947	Flow Monitoring Program - Management	1/5/18	6/30/20															
949	Install manhole mounted infiltration/inflow monitoring system		6/30/20		Ongoing													
953	Issue PO's and equipment delivered (280 Flow meters & 14 modems in 1H20)	12/2/19	6/30/20		Ongoing													
954	Install all modems into flow meters and rain gauges (41 in 1H20)	9/3/19	6/30/20		Ongoing													
955	Continue calibration and maintenance of flow monitoring and rain gauge network		6/30/20		Ongoing													

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DeKalb County Department of Watershed Management		Semi-Annual Report #17															
ID	Task Name	Start	Finish	CD/CMOM Date	% Complete.	2020											
						J	F	M	A	M	J	J	A	S	O	N	D
956	Continue QA/QC regarding flow monitoring and rain gauge data		6/30/20		Ongoing												
957	Flow Monitoring Program - CMOM Support	1/5/18	6/30/20														
958	DWM places temporary monitors in system to determine available sewer capacity for specific projects		6/30/20		Ongoing												
959	Collect data to support multiple CMOM projects		6/30/20		Ongoing												
960	6. Infrastructure Acquisitions Program				Ongoing												
961	Evaluate/Inspect wastewater pipe (28,799 lf in 1H20)		6/30/20		Ongoing												
962	Review lift station acquisitions as required (0 in 1H20)		6/30/20		Ongoing												
963	Complete wastewater plan reviews of buildings (548 in 1H20)		6/30/20		Ongoing												
964	Complete wastewater plan reviews of land disturbances (91 in 1H20)		6/30/20		Ongoing												
965	Complete final plat reviews (25 in 1H20)		6/30/20		Ongoing												
966	Complete FOG building reviews (491 In 1H20)		6/30/20		Ongoing												
967	Review sewer capacity requests (188 received in 1H20)		6/30/20		Ongoing												
968	Issue capacity letters (124 in 1H20)		6/30/20		Ongoing												
972	Continue to review new and ongoing development projects for sewer line connectivity as submitted during the permitting process		6/30/20		Ongoing												
973	Continue to review projects converting from septic to sewer		6/30/20		Ongoing												
974	Continue to review final plats, as-builts and sewer easements for acceptance		6/30/20		Ongoing												
975	Continue providing customer service to applicants/citizens requesting assistance		6/30/20		Ongoing												
976	Review lift station acquisitions as required		6/30/20		Ongoing												
977	Use the revised interim protocols for capacity assurance and certification of capacity connections		6/30/20		Ongoing												
978	Formalize the capacity allotment process and revise sewer capacity letters to reflect the parameters of the process		6/30/20		Ongoing												
979	Integrate capacity allotment process with cities' permitting procedures		6/30/20		Ongoing												
980	Continue using steady state hydraulic routing model for capacity request reviews until dynamic models are approved by the County		6/30/20		Ongoing												
981	7. System-Wide Hydraulic Model	3/1/18			100												
1082	Dynamic Model Development - North Fork Peachtree Creek	3/1/18	1/13/20		100												
1122	Report & Training	9/3/19	1/13/20														
1132	CDPMT to provide training to County staff on model	1/13/20	1/13/20														
1133	Dynamic Model Development - South Fork Peachtree Creek	3/1/18	1/13/20		100												

Stated through 6/30/20

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DeKalb County Department of Watershed Management		Semi-Annual Report #17																
ID	Task Name	Start	Finish	CD/CMOM Date	% Complete.	2020												
						J	F	M	A	M	J	J	A	S	O	N	D	
1173	Report & Training	9/23/19	1/13/20															
1183	CDPMT to provide training to County staff on model	1/13/20	1/13/20															1/13/20
1184	Dynamic Model Development - Snapfinger	3/1/18	2/5/20		100													
1224	Report & Training	10/28/19	2/5/20		100													
1228	CDPMT schedule workshop to review hydraulic modeling report	1/16/20	1/16/20															1/16/20
1231	County and Peer review of final package including hydraulic modeling report	12/30/19	1/7/20															1/7/20
1232	CDPMT to address County and Peer review comments to final package	1/8/20	1/15/20															1/15/20
1234	CDPMT to provide training to County staff on model	2/5/20	2/5/20															2/5/20
1235	Dynamic Model Development - Pole Bridge	3/1/18	2/5/20		100													
1276	Report & Training	10/28/19	2/5/20		100													
1280	CDPMT schedule workshop to review hydraulic modeling report	1/16/20	1/16/20															1/16/20
1283	County and Peer review of final package including hydraulic modeling report	12/30/19	1/8/20															1/8/20
1284	CDPMT to address County and Peer review comments to final package	1/9/20	1/15/20															1/15/20
1286	CDPMT to provide training to County staff on model	2/5/20	2/5/20															2/5/20
1287	Dynamic Model Development - Misc Intergovernmental	3/1/18	1/13/20		100													
1328	Report & Training	9/3/19	1/13/20		100													
1338	CDPMT to provide training to County staff on model	1/13/20	1/13/20		100													1/13/20
1350	8. Priority Areas Sewer Assessment and Rehabilitation Program (PASARP)		8/20/14															
1577	EPA Projects Construction	1/2/17	10/30/20	6/30/20														
1581	161 Hood Circle (DB1)	7/2/19	6/19/20		100%													6/19/20
1582	3597 Sunderland Circle (DB3)	8/1/19	10/30/20		50%													10/30/20
1583	1576 Nantahalla Court (DB3)	8/1/19	10/30/20		50%													10/30/20
1584	2312 Clairmont Rd, A-IG6 (DB3)	8/1/19	9/30/20		70%													9/30/20
1585	215 Beaumont Avenue (DB3)	8/29/19	9/30/20		95%													9/30/20
1586	608 S McDonough St (DB3)	2/3/20	10/30/20		60%													10/30/20
1587	Design Build Contract 1 - Package 1	9/18/17	6/24/20		100%													
1597	DB1 Construction - Component 1	9/11/18	6/19/20	6/30/20	100%													
1602	Proj 05 - ASF1	9/12/18	2/28/20		100%													2/28/20
1604	Proj 07 - Pole Bridge 1	11/19/18	2/25/20		100%													2/25/20
1608	Proj 15 - Pole Bridge 8	4/9/19	2/28/20		100%													2/28/20
1609	Proj 19 - 161 Hood Circle (EPA)	7/2/19	6/19/20		100%													6/19/20

ID	Task Name	Start	Finish	CD/CMOM Date	% Complete.	2020																	
						J	F	M	A	M	J	J	A	S	O	N	D						
1610	DB1 Construction - Component 1B	4/8/19	2/19/20	6/30/20	100%																		
1615	Proj 06 - 121 Lucerne Street (OSARP SSO)	12/17/19	2/19/20		100%																		
1617	DB1 Construction - Component 2/3	1/2/20	6/24/20	6/30/20	100%																		
1618	Proj 18 - Pole Bridge 11	1/2/20	6/24/20		100%																		
1619	Substantial Completion	3/20/20	3/20/20		100%																		
1620	Final Completion	6/24/20	6/24/20		100%																		
1621	Design Build Contract 2 - Package 2	1/12/18	6/30/21		90%																		
1622	DB2 Design	1/12/18	2/28/20	6/30/20	100%																		
1629	County Approves Drawings for Construction	1/2/19	2/28/20		100%																		
1630	DB2 Construction	4/16/18	3/31/21	6/30/20																			
1631	Proj 01 - 5139 North Peachtree Road (OSARP SSO)	5/1/18	3/26/20		100%																		
1632	Proj 02 - Valley View (CIP Project)	12/20/18	1/31/20		100%																		
1634	Proj 04 - Nancy Creek Branch 2	3/1/19	3/31/21		70%																		
1635	Proj 05 - Nancy Creek Branch 1	2/26/19	3/31/21		70%																		
1636	Proj 06 - A-IG2	5/16/18	3/31/21		70%																		
1639	Proj 09 - I-IG10	4/16/18	2/12/20		100%																		
1642	Proj 12 - 1760 Mason Mill Road (OSARP SSO)	7/18/18	3/6/20		100%																		
1646	Proj 16 - A-SF7	9/13/18	6/19/20		100%																		
1647	Substantial Completion	3/31/21	3/31/21		0%																		
1649	Design Build Contract 3 - Package 3	10/25/18	6/30/21		65%																		
1650	DB3 Design	10/25/18	4/22/20	6/30/20	100%																		
1656	Contractor Submit Drawings for Construction	4/9/19	4/8/20		100%																		
1657	County Approves Drawings for Construction	9/3/19	4/22/20		100%																		
1658	DB3 Construction	8/1/19	3/31/21	6/30/20																			
1659	Proj 01 - 3597 Sunderland Circle, 1083 Wimberly Rd, A-IG4 (EPA, OSARP SSO)	8/1/19	8/31/20		80%																		
1660	Proj 02 - 1576 Nantahalla Court (EPA)	8/1/19	10/30/20		50%																		
1661	Proj 03 - 2312 Clairmont Rd, A-IG6 (EPA)	8/1/19	9/30/20		70%																		
1662	Proj 04 - 854 Sheppard Rd (OSARP SSO)	10/17/19	12/30/20		60%																		
1663	Proj 04 - A-SF2 (OSARP SSO)	10/17/19	3/31/21		65%																		
1664	Proj 05 - Snapfinger Woods Dr (OSARP SSO)	8/29/19	3/31/21		60%																		
1665	Proj 06 - 215 Beaumont Avenue (EPA)	8/29/19	9/30/20		95%																		

ID	Task Name	Start	Finish	CD/CMOM Date	% Complete.	2020											
						J	F	M	A	M	J	J	A	S	O	N	D
1666	Proj 07 - 608 S McDonough St (EPA)	2/3/20	10/30/20		60%												
1667	Substantial Completion	3/31/21	3/31/21		0%												
1668	Final Completion	6/30/21	6/30/21		0%												
1692	Annual AE Contract 1 - Package 5 {Design Only}	5/11/18	8/31/20	6/30/20													
1698	Priority 1 Projects (Components 3, 4, 12 14)	3/13/19	8/31/20		80%												
1699	Priority 2 Projects (Components 2, 5, 6, 9, 11, 13)	3/13/19	8/31/20		70%												
1700	Priority 3 Projects (Components 7, 8, 10)	3/13/19	8/31/20		70%												
1703	Annual AE Contract 2 - Package 6 {Design Only}	10/1/18	4/13/20	6/30/20													
1706	Priority 1 Projects (Components 3) {Proj 1 & Proj 2}	1/3/19	4/13/20		100%												
1707	Priority 2 Projects (Components 2) {IG-5 - Century}	1/3/19	2/6/20		100%												
1708	Priority 3 Projects (Components 1) {IG-5 - Sagamore & AG17 - Valley Brook} [** NOTE - stopped @ 60% Design]	1/3/19	10/3/19		100%												
1709	Annual AE Contract 3 - Package 7 {Design Only}	10/1/18	8/31/20	6/30/20													
1713	Priority 1A Projects (Component 8)	1/3/19	8/31/20		90%												
1714	Priority 2 Projects (Components 1, 3, 4)	1/3/19	8/31/20		70%												
1715	Priority 3 Projects (Components 5, 7, 9)	10/4/19	8/31/20		90%												
1716	Annual AE Contract 4 - Package 8 {Design Only}	10/1/18	6/3/20	6/30/20													
1719	Priority 1 Projects (Component 8) {Sowell Estates}	1/3/19	4/24/20		100%												
1720	Priority 2 Projects (Component 5) {I-G2}	1/3/19	4/24/20		100%												
1721	Priority 3 Projects (Component 4) {I-G5}	1/3/19	5/12/20		100%												
1722	Priority 4 Projects (Component 7) {I-G1}	1/3/19	6/3/20		100%												
1723	CIP Program Manager	9/28/18	6/19/20	6/30/20													
1724	CIP Lining/Point Repair Design	9/28/18	6/19/20		100%												
1727	Annual Construction Contracts 1-4	1/2/19	6/19/20	6/30/20													
1729	C1-4 Lining/Point Repair Construction	8/8/19	6/19/20		100%												
1775	New Annual Construction Contracts {GSRR's}	5/1/19	4/29/22	6/30/20													
1776	GSRR1 Procurement	5/1/19	8/28/20														
1781	PWI Committee Approve Contract	4/7/20	7/7/20		50												
1782	BOC Approve Contract	7/8/20	7/14/20		0												
1783	P&C Issue NTPs	7/15/20	8/28/20		0												
1784	GSRR1 Construction	8/28/20	4/29/22	6/30/20													

ID	Task Name	Start	Finish	CD/CMOM Date	% Complete.	2020																	
						J	F	M	A	M	J	J	A	S	O	N	D						
1785	Issue Task Orders for Rehab/Upsizing Construction	8/28/20	8/28/20		0																		
1786	Gravity Sewer Rehabilitation and Replacement Construction	8/31/20	4/29/22		0																		
1798	New Co-Op Agreements	2/1/19	12/29/20																				
1805	Construction Contract COP1	8/1/19	5/20/20	6/30/20																			
1807	COP1 Lining/Point Repair Construction	8/2/19	12/28/20		20																		
1814	Construction Contract COP2	10/16/19	12/29/20	6/30/20																			
1816	COP2 Lining/Point Repair Construction	10/16/19	12/29/20		20																		
1833	Construction Task Orders	1/2/19	4/1/22																				
1834	Multiple Contractors	1/2/19	4/1/22	6/30/20																			
1836	Task 1 - Phs 1b - 3230 Boring Road / 4347 Flat Shoals Pkwy {RGI}	1/2/19	9/30/20		70%																		9/30/
1837	Task 1 - Phs 1c - 3230 Boring Road / 4347 Flat Shoals Pkwy {IPR}	7/19/19	12/31/20		70%																		
1838	Task 1 - Phs 2a - 3230 Boring Road / 4347 Flat Shoals Pkwy {Insituform}	1/6/20	7/30/21		70%																		
1839	Task 1 - Phs 2b - 3230 Boring Road / 4347 Flat Shoals Pkwy {GSRR}	8/28/20	7/30/21		0%																		
1840	Task 2 - Phs 1a - 1416 Cobb Branch Dr {RGI}	9/1/20	9/30/20		0%																		9/30/
1841	Task 2 - Phs 2a - 1416 Cobb Branch Dr {Insituform}	1/28/20	7/30/21		90%																		
1842	Task 3 - Phs 1a - 161 Hood Circle {B&C}	7/2/19	6/19/20		100%																		6/19/20
1843	Task 3 - Phs 2a - 161 Hood Circle {Insituform}	1/21/21	7/30/21		0%																		
1844	Task 4 - Phs 1a - 608 S McDonough / 101 Green St {IPR}	10/18/19	12/31/20		30%																		
1845	Task 4 - Phs 1b - 608 S McDonough / 101 Green St {Garney}	2/3/20	10/30/20		60%																		10/
1846	Task 4 - Phs 2a - 608 S McDonough / 101 Green St {IPR}	6/1/20	12/31/20		0%																		
1847	Task 4 - Phs 2b - 608 S McDonough / 101 Green St {Insituform}	8/3/20	7/30/21		0%																		
1848	Task 4 - Phs 2c - 608 S McDonough / 101 Green St {GSRR}	9/1/20	7/30/21		0%																		
1850	Task 5 - Phs 2a - East Starmount - Tier 2 Assessment	7/1/20	7/30/21		0%																		
1851	Task 6 - Phs 1a - 2480 Miriam Lane / 2269 Glendale Dr {IPR}	7/19/19	12/31/20		50%																		
1852	Task 6 - Phs 1b - 2480 Miriam Lane / 2269 Glendale Dr {RGI}	1/2/19	9/30/20		75%																		9/30/
1853	Task 6 - Phs 2a - 2480 Miriam Lane / 2269 Glendale Dr {Insituform}	12/4/19	7/30/21		40%																		
1854	Task 6 - Phs 2b - 2480 Miriam Lane / 2269 Glendale Dr {IPR}	5/1/20	12/31/20		0%																		
1855	Task 6 - Phs 2c - 2480 Miriam Lane / 2269 Glendale Dr {GSRR}	10/1/20	12/3/21		0%																		
1858	Task 7 - Phs 2a - 1430 Country Squire Dr {Insituform}	2/8/20	7/30/21		55%																		
1859	Task 7 - Phs 2b - 1430 Country Squire Dr {GSRR}	1/4/21	7/30/21		0%																		
1861	Task 8 - Phs 2a - 1440 Sowell Estates - Tier 2 Assessment	7/1/20	7/30/21		0%																		

ID	Task Name	Start	Finish	CD/CMOM Date	% Complete.	2020											
						J	F	M	A	M	J	J	A	S	O	N	D
1862	Task 9 - Phs 1a - 1615 Melanie Court {Garney}	7/1/19	5/29/20		100%	5/29/20											
1863	Task 9 - Phs 1b - 1615 Melanie Court {IPR}	7/19/19	12/28/20		25%												
1864	Task 9 - Phs 2a - 1615 Melanie Court {RGI}	10/1/20	12/31/20		0%												
1865	Task 9 - Phs 2b - 1615 Melanie Court {Insituform}	2/7/20	7/30/21		10%												
1866	Task 9 - Phs 2c - 1615 Melanie Court {GSRR}	1/4/21	4/1/22		0%												
1867	Task 10 - Phs 1a - 302/307/308 2nd Ave {B&C}	7/2/19	6/19/20		100%	6/19/20											
1868	Task 10 - Phs 2a - 302/307/308 2nd Ave {Insituform}	12/17/19	7/30/21		50%												
1869	Task 10 - Phs 2b - 302/307/308 2nd Ave {GSRR}	1/4/21	7/30/21		0%												
1870	Task 11 - Phs 1a - 3075 Thrasher Circle {RGI}	1/2/19	9/25/20		70%	9/25/20											
1871	Task 11 - Phs 1b - 3075 Thrasher Circle {IPR}	7/19/19	12/28/20		50%												
1872	Task 11 - Phs 1c - 3075 Thrasher Circle {Insituform}	12/16/19	7/30/21		50%												
1873	Task 12 - Phs 1a - Garden Cir / McAfee Rd {GSRR}	1/4/21	7/30/21		0%												
1875	Task 13 - Phs 2a - 3449 Brookfield Lane / 4124 Flakes Mill Road {Insituform}	1/26/20	7/30/21		60%												
1876	Task 13 - Phs 2b - 3449 Brookfield Lane / 4124 Flakes Mill Road {GSRR}	1/4/21	7/30/21		0%												
1877	Task 14 - Phs 1a - Panthersville Road {Granite}	9/13/19	12/29/20		26%												
1879	Task 14 - Phs 2a - Panthersville Road {Insituform}	1/10/20	7/30/21		95%												
1880	Task 14 - Phs 2b - Panthersville Road {GSRR}	1/4/21	7/30/21		0%												
1881	9. Ongoing Sewer Assessment and Rehabilitation Program (OSARP)	11/1/14	10/31/22														
2078	OSARP Projects by Work Order	5/10/17	10/31/22														
2079	OSARP Tiered Projects Tier I Assessments	5/10/17	4/29/22														
2080	Acoustic Testing (93,192 lf in 1H20)	5/10/17	4/29/22	NA													
2093	Intrenchment Creek	3/26/18	4/29/22		96%												
2094	Nancy Creek	3/1/19	4/29/22		72%												
2095	Upper Snapfinger Creek	2/1/19	4/29/22		94%												
2096	South Fork Peachtree Creek	4/1/19	4/29/22		61%												
2097	Barbashela Creek	6/3/19	4/26/22		1%												
2098	Lower Snapfinger Creek	7/1/19	4/29/22		95%												
2100	Smoke Testing (66,845 lf in 1H20)	5/10/17	4/29/22	NA													
2113	Intrenchment Creek	3/26/18	4/29/22		97%												
2114	Nancy Creek	3/26/18	4/29/22		95%												
2115	Upper Snapfinger Creek	2/1/19	4/29/22		92%												

ID	Task Name	Start	Finish	CD/CMOM Date	% Complete.	2020																		
						J	F	M	A	M	J	J	A	S	O	N	D							
2218	Intrenchment Creek	6/28/18	12/28/20		60																			
2222	Ball Mill Creek	10/15/18	12/31/20		89																			
2223	Lower Stone Mountain Creek	10/30/18	12/31/20		96																			
2224	Barbashela Creek	11/19/18	12/31/20		94																			
2226	Honey Creek	3/12/19	12/31/20		98																			
2227	Doolittle Creek	3/19/19	12/31/20		94																			
2230	Large Diameter Cleaning (Raw Data) (459 tons in 1H20)	9/20/17	12/31/20	NA																				
2231	Nancy Creek Sewershed_90	9/20/17	12/28/20		58																			
2232	Conley Creek_78	6/11/18	12/28/20		45																			
2233	Lower Snapfinger Creek_50	6/1/18	12/28/20		39																			
2234	Upper Snapfinger Creek_36	2/1/19	12/31/20		62																			
2235	North Fork Peachtree Creek_101	4/4/18	12/28/20		60																			
2236	Upper Crooked Creek_1	6/3/19	12/28/20		1																			
2237	South Fork Peachtree Creek	8/7/18	12/28/20		54																			
2238	Peavine Creek_25	3/1/19	12/28/20		17																			
2239	Indian Creek_3	3/1/19	12/31/20		59																			
2240	Polebridge Creek_109	4/1/19	12/31/20		49																			
2241	Intrenchment Creek_37	11/7/17	12/28/20		2																			
2242	Shoal Creek_Melanie Court_3	3/1/19	12/28/20		32																			
2245	Sugar Creek_12	5/3/19	12/28/20		1																			
2246	Ball Mill Creek_6	6/3/19	12/28/20		1																			
2247	Lower Stone Mountain Creek_20	6/3/19	12/28/20		1																			
2248	Barbashela Creek_23	4/15/19	12/29/20		45																			
2249	Lower Crooked Creek_14	4/1/19	12/30/20		90																			
2250	Doolittle Creek_28	3/2/20	12/31/20		0																			
2251	Crooked Creek_19	3/2/20	12/31/20		0																			
2252	Honey Creek_20	3/2/20	12/31/20		0																			
2253	Corn Creek_8	3/2/20	12/31/20		0																			
2255	Manhole Condition Assessments (0 each in 1H20)	3/31/17	12/28/20	NA	50																			
3675	10. Maintenance Management System (MMS)		6/30/20																					

DeKalb County Department of Watershed Management		Semi-Annual Report #17															
ID	Task Name	Start	Finish	CD/CMOM Date	% Complete.	2020											
						J	F	M	A	M	J	J	A	S	O	N	D
3676	Address maintenance related to SSO's by cleaning small diameter pipe of 15 inches or smaller (221 Miles in 1H20), chemically treating roots in sewer mains (88 Miles in 1H20) and clearing easements (44.7 linear miles in 1H20)		6/30/20		Ongoing	6/30/20											
3677	Perform sewer creek crossing inspection of pipes requiring a revisit within a year (512 Inspections in 1H20)		6/30/20		Ongoing	6/30/20											
3678	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 (709 Letters sent and 231 repairs completed on laterals n 1H20)		6/30/20		Ongoing	6/30/20											
3680	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 (1.7 miles in 1H20)		6/30/20		Ongoing	6/30/20											
4427																	
4428																	
4429	Acronyms :																
4430	AE - Architectural Engineer or Design Consultant																
4431	BOC - Board of Commissioners																
4432	CCTV - Closed-circuit Television																
4433	CD - Consent Decree																
4434	CDPMT - Consent Decree Program Management Team																
4435	CERP - Contingency and Emergency Response Plan																
4436	CIP - Capital Improvement Program																
4437	CMOM - Capacity, Management, Operations, and Maintenance																
4438	C&TS - Collection & Transmission Systems																
4439	DB - Design Build																
4440	DBB - Design Bid Build																
4441	DWM - Department of Watershed Management																
4442	EPA - US Environmental Protection Agency																
4443	FOG - Fats, Oils & Grease																
4444	GIS - Geographic Information System																
4445	lf - linear feet																
4446	LS - Lift Station																
4447	NTP - Notice to Proceed																
Stated through 6/30/20		Page 12				Printed 7/27/20 10:26 AM											

ID	Task Name	Start	Finish	CD/CMOM Date	% Complete.	2020														
						J	F	M	A	M	J	J	A	S	O	N	D			
4448	OSARP - Ongoing Sewer Assessment and Rehabilitation Program																			
4449	PASARP - Priority Area Sewer Assessment and Rehabilitation Program																			
4450	P&C - Purchasing & Contracting																			
4451	PWI - Public Works and Infrastructure																			
4452	QA - Quality Assurance																			
4453	QC - Quality Check																			
4454	RFP - Request for Proposal																			
4455	SSO - Sanitary Sewer Overflow																			
4456	SSOAP - Sanitary Sewer Overflow Analysis & Planning software to capture & manage flow relationships																			
4457	TISCIT - Totally Integrated Sonar and Camera Inspection Technology																			
4458	TM - Technical Memorandum																			
4459	WWF - Wet Weather Flow includes inflow and infiltration																			
4460																				
4461	Levels																			
4462	Level 1 - Task																			
4463	Level 2 - SubTask																			
4464	Level 3 - Area																			
4465	Level 4 - Element																			
4466	Level 5 - SubElement																			
4474	Level 6 - SubSubElement																			