Semi-Annual Report No. 19

January 1, 2021, to June 30, 2021
Civil Action No. 1:10cv4039 - WSD

DeKalb County
Department of Watershed Management

DeKalb County
GEORGIA

WATER Matters

July 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
GSRR	Gravity Sewer Rehabilitation and Replacement
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
QA/QC	Quality Assurance/Quality Control
RFP	Request for Proposals
SL-RAT	Sewer Line Rapid Assessment Tool
SSO	sanitary sewer overflow
TISCIT	Totally Integrated Sonar and Camera Inspection Technique

Introduction

DeKalb County (hereafter, the "County") submits this 19th 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 first 6 months of 2021, and several projects and activities are projected to be implemented in the second 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 first half of 2021, the County continued to function under adapted COVID-19 safety protocols. The County has put in place the infrastructure to continue virtual training sessions and meetings, use electronic processes and signatures, and so forth. As the County begins to reopen and perform selected functions in person including outreach sessions at recreation centers, training, and meetings, this infrastructure allows flexibility to continue functions as needed as COVID-19 rates fluctuate.

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**	**January 30, 2021**
IX. (57)	**18th Semi-Annual Report**	**January 30, 2021**
IX. (57)	**9th Annual Report**	**March 1, 2021**
IX. (56)	**Quarterly Report**	**April 30, 2021**
IX. (56)	**Quarterly Report**	**July 30, 2021**
IX. (57)	**19th Semi-Annual Report**	**July 30, 2021**
IX. (56)	**Quarterly Report**	**October 30, 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 1/1/2021 to 6/30/2021

i) Provided multiple instances of training to ensure County personnel and applicable contractors are prepared to respond to SSO emergencies (refer to Gantt chart lines 694–697).

a. Conducted CERP refresher training for 203 personnel in divisions of DWM. New DWM employees are trained in CERP during New Employee Orientation.

b. Provided training to 348 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 36 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 fats, oils, and grease (FOG). Approximately 391,890 FOG educational fliers were distributed by Nextdoor directly to the community, a communication venue used more frequently at

the start of the pandemic, and approximately 1,935 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 11,554 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 7/1/2021 to 12/31/2021

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. All personnel are required to attend training yearly. Anticipate training of approximately 670 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, including virtually through Nextdoor, 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 Management Program (CD VI.B.ii)

a) Projects and Activities Accomplished for the Reporting Period 1/1/2021 to 6/30/2021

i) To prevent FOG from entering the collection system, the following education efforts were executed (refer to Gantt chart lines 709–710).

a. Sponsored 37 public outreach events reaching approximately 497 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 continued during the 2020–2021 school year.

c. For the January 1 through June 30, 2021, reporting period, DWM conducted 16 school events with 34 presentations reaching approximately 2,068 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: 2,744. 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: 702. Facilities are given a warning citation to comply with poor interceptor maintenance. The majority of FSEs comply within the required 48-hour period. For those who do not, the County may proceed with a court summons.

c. Permits issued: 1,463. 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: 14

i. A total of 10 cases are pending for not complying with the ordinance.

iii) Program statistics (refer to Gantt chart lines 719–721)

a. More than 2.4 million gallons of FOG removed by haulers from FSEs.

b. Though not a part of the CD, no multifamily complexes were cited for violations related to the FOG ordinance.

c. No quarterly FOG and multifamily housing workshops were held because of the ongoing COVID-19 pandemic.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2021 to 12/31/2021

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 1/1/2021 to 6/30/2021

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 1,224 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. Optimized the GIS platform to better track edits among multiple users and to allow users to edit layers and assets simultaneously in order to leverage multiple resources and streamline overall GIS maintenance activities. Third-party tools have been implemented to the GIS software to enhance Quality Assurance/Quality Control (QA/QC) processes through better integration of multiple data sources and through data set comparison features.

b. Used a database of project as-built construction drawings to facilitate updates to the GIS for completed sewer projects.

c. Created online maps and applications to support specific tasks and projects. Online web maps and apps have also been created for future construction where the preliminary plans are added to the GIS. Continued to update main online web viewer (WAV) and SSO dashboard for wider access across user groups. An online web application gallery for use by project managers and team members allows for a central location to access all maps, applications, and data.

d. Continued updates and support through the GIS interface with Cityworks, the County's computerized maintenance management system.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2021 to 12/31/2021

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.

b. Add iTracker to the maintenance programs supported by GIS and use the resulting data in analysis for the reduction of wet weather spills.

c. Add additional ArcGIS story maps to 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 1/1/2021 to 6/30/2021

i) Continue to implement the revised Training Program (2018) using the Training Matrix, Training Calendar, and Compliance Suite software. A total of 2,978 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: 30 (40 online), 70 total
c. Confined Space Awareness: 0
d. Department Safety Management Systems: 23
e. Emergency Action/Response Plan: 29 (40 online) 69 total

f. Employee Rights and Responsibilities: 26
g. Ergonomics: 23
h. Fire Prevention Plans: 23
i. Hazard Communication: 30 (40 online) 70 total
j. Medical Services and First Aid: 23
k. Personal Protective Equipment: 30 (40 online) 70 total
l. Safety Management Division Overview: 23
m. Slip, Trips & Falls: 23
n. Workplace Violence: 31 (40 online) 71 total

b) Projects and Activities Anticipated for the Reporting Period 7/1/2021 to 12/31/2021

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 1/1/2021 to 6/30/2021

i) Continued implementing a robust maintenance and calibration program, supporting a monthly average of 281 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 2,038 flow meter maintenance visits including:

a. 997 battery replacements
b. 222 flow monitor calibrations (refer to Gantt chart line 962)
c. 14 new modem installations on existing flow monitors (refer to Gantt chart line 961)
d. 273 rain gauge maintenance visits (refer to Gantt chart line 962)

ii) Engaged contractors to support flow monitoring operations and supplement County resources because of the COVID-19 pandemic.

iii) Maintained temporary flow monitors in the system to assist in determining available sewer capacity and collecting additional data on known collection system issues. For the reporting period, 1 new temporary meter was installed and 14 permanent meters were installed, including 13 new meters installed in SSO manhole locations and 1 relocation of permanent CD meter (refer to Gantt chart line 962).

iv) 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.

v) 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.

vi) Deployed manhole-mounted I/I monitoring system in new area, including 18 monitors. Data processing from the previous deployment is in process, and additional location candidates have been identified for future deployments (refer to Gantt chart line 956).

vii) Continued implementing audit program to quantify and track data quality. The program includes consideration for timeliness of maintenance visits, consistency, and timeliness of QA/QC communications, and minimizing data loss (refer to Gantt chart line 960).

b) Projects and Activities Anticipated for the Reporting Period 7/1/2021 to 12/31/2021

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 1/1/2021 to 6/30/2021

i) Evaluated/inspected 18,690 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): 738 (refer to Gantt chart line 970).
iv) Wastewater plan review (land disturbance): 148 (refer to Gantt chart line 971).
v) Final plat reviews: 20 (refer to Gantt chart line 972).
vi) FOG building reviews: 682 (refer to Gantt chart line 973).
vii) Backflow reviews (Bldg. & LDP): 702 (refer to Gantt chart line 974).
viii) Sewer capacity requests received: 276 (refer to Gantt chart line 975).
ix) Capacity letters issued: 183 (refer to Gantt chart line 976).
x) Conditional capacity letters issued: 48 (refer to Gantt chart line 976).
xi) Sewer capacity requests canceled: 2 (refer to Gantt chart line 977).
xii) Sewer capacity approval letters transitioned to electronic signatures and process.

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 7/1/2021 to 12/31/2021

i) Continue streamlining sewer capacity evaluation 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 1/1/2021 to 6/30/2021

i) Completed the development of preliminary Capital Improvement Program (CIP) project recommendations in the model for South Fork Peachtree Creek, Intrenchment Creek, North Fork Peachtree Creek, Snapfinger, Nancy Creek, Pole Bridge, and Miscellaneous Sewersheds.

ii) Conducted dynamic model runs to verify various capacity improvement projects.

iii) Revised and resubmitted dynamic hydraulic model reports to EPA/EPD for Intrenchment Creek, Nancy Creek, North Fork Peachtree Creek, South Fork Peachtree Creek, Snapfinger, Pole Bridge, and Miscellaneous model areas.

iv) Completed GIS update of Intrenchment Creek hydraulic model (refer to Gantt chart line 1291).

v) Continued updating and recalibrating the North Fork Peachtree Creek hydraulic model. The GIS update is complete and are verifying calibration (refer to Gantt chart line 1089).

b) Projects and Activities Anticipated for the Reporting Period 7/1/2021 to 12/31/2021

i) Continue updating and recalibrating the hydraulic models as required based on updated GIS data, lift station operation data, and flow monitoring data.

ii) 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 1/1/2021 to 6/30/2021

i) For Design Build Package No. 2, construction is complete for 13 of the 16 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 three 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) Design for Rehabilitation Package No. 7 is ongoing. Design for Rehabilitation Package No. 5 is complete. These rehabilitation packages include capacity improvement projects. Projects within these packages will address I/I mitigation upstream of Cobb Branch, Meadow Creek Path, and Country Squire (refer to Gantt chart lines 1676–1699).

iv) Annual Construction Contracts 1 through 4 continued lining and point repair construction (refer to Gantt chart line 1711–1712).

v) Issued Notice to Proceed for Gravity Sewer Rehabilitation and Replacement (GSRR) Sections 1 and 2. Under GSRR Section 1 construction (lining/point repairs) has started (refer to Gantt chart lines 1722–1727).

vi) Ongoing construction (lining/point repair) for Co-Op Agreement 1 (refer to Gantt chart line 1730).

vii) Ongoing construction (lining/point repair) for Co-Op Agreement 2 (refer to Gantt chart line 1732).

viii) Continued siting study and preparation of design build bridging documentation for Shoal Creek and Snapfinger East wet weather storage tanks (refer to Gantt chart line 1754).

ix) Completed surveying for design of Shoal Creek Trunk project (refer to Gantt chart line 1754).

x) Continued design Request for Proposals (RFP) procurement for Shoal Creek Trunk project (refer to Gantt chart lines 1735–1739).

xi) Started on-call design RFP procurement for various trunk capacity projects (refer to Gantt chart lines 1748–1751).

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

b) Projects and Activities Anticipated for the Reporting Period 7/1/2021 to 12/31/2021

i) Continue construction of projects in Design Build Rehabilitation Package Nos. 2 and 3 (refer to Gantt chart lines 1641–1655 and 1666–1675, respectively).

ii) For Rehabilitation Package No. 7, complete design of capacity improvement projects (refer to Gantt chart lines 1693–1699).

iii) Under GSRR Section 1, continue construction (lining/point repair) (refer to Gantt chart line 1724).

iv) Under GSRR Section 2, begin construction of Package Nos. 5, 7, and 8 projects to mitigate I/I and improve conveyance capacity (refer to Gantt chart line 1727).

v) Continue construction under Co-Op Agreement 2 contract (refer to Gantt chart line 1732).

vi) Finalize siting study and design build bridging documentation for Shoal Creek and Snapfinger East wet weather storage tanks (refer to Gantt chart line 1754).

vii) Start design build procurement for Shoal Creek and Snapfinger East wet weather storage tanks (refer to Gantt chart lines 1755–1756).

viii) Issue Notice to Proceed for Shoal Creek Trunk design project (refer to Gantt chart line 1739).

ix) Continue procurement of on-call design build RFP for various trunk capacity projects (refer to Gantt chart lines 1748–1751).

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2021 to 6/30/2021

i) Performed ongoing tiered assessment in OSARP areas. Completed approximately 544,210 lf of smoke testing, 326,198 lf of acoustic inspections, and 576 manhole condition assessments (refer to Gantt chart lines 2008–2066).

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 2136–2155).

iii) Removed approximately 2 tons of debris from large-diameter trunks that may contribute to restoration of capacity in the system (refer to Gantt chart lines 2158–2181).

b) Projects and Activities Anticipated for the Reporting Period 7/1/2021 to 12/31/2021

i) Continue tiered assessment in OSARP areas. Anticipate completing approximately 50 miles of closed-circuit television assessments, 100 miles of smoke testing, 110 miles of acoustic inspections, and 650 manhole condition assessments (refer to Gantt chart lines 2008–2066).

ii) Complete approximately 10 miles of TISCIT assessments of large-diameter trunks in OSARP areas (refer to Gantt chart lines 2134–2155).

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2021 to 6/30/2021

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 385 miles of small-diameter (15 inches or smaller) sewer cleaning. This represents 18 percent of the system.

b. A total of 90 miles of sanitary sewer mains were treated for roots using chemicals. This represents 3.6 percent of the system.

c. A total of 2,050,875 square feet (ft^2), or approximately 388 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 1,050 sewer creek crossing inspections for pipes previously identified as needing revisit within a year (refer to Gantt chart line 3605).

iii) Temporarily adapted program of notifying property owners of private lateral maintenance needed. Continued using PASARP smoke testing data and pictures, in addition to DWM observations in the field; DWM has replaced cleanout caps as necessary in the field. A total of 195 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 whether pipes needing cleaning based on the percent of the pipe that was blocked. The crew assessed 10.3 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 7/1/2021 to 12/31/2021

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 3,000,000 ft^2 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 720 crossings will be completed during this period (refer to Gantt chart line 3605).

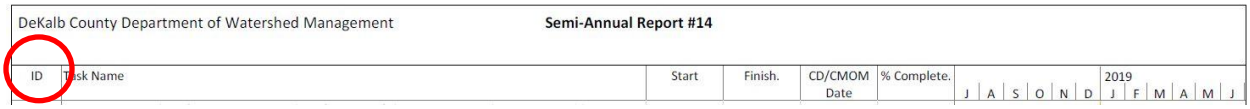
v) Use SL-RAT acoustic inspection tool to assess 2 miles of pipe (refer to Gantt chart line 3608).

vi) Begin procurement of new contracts for small-diameter sewer cleaning, chemical root control, easement clearing, and creek crossing inspections.

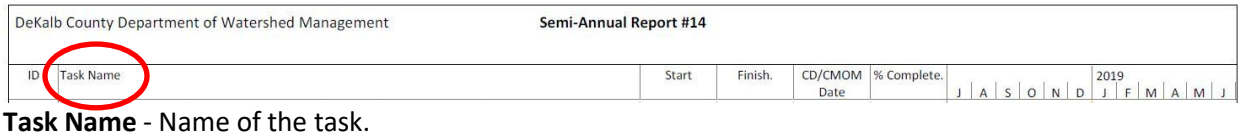
vii) Implement new system of email using mass notification with incident communication software.

Gantt Chart

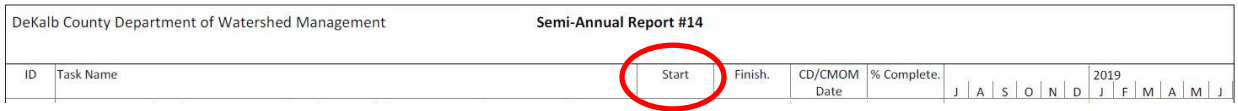
As detailed in the Introduction, the Gantt chart is to be used as the primary method for presenting a summary of projects and significant activities achieved or anticipated to be achieved during the reporting period. A description of the layout of the Gantt chart is provided below:



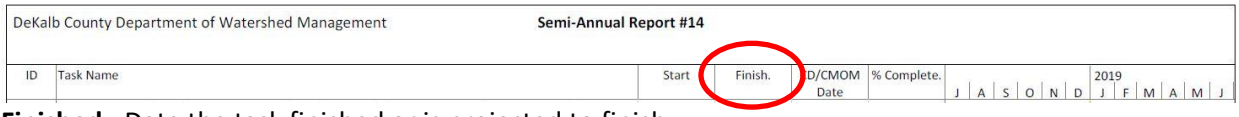
Identification (ID) - Number assigned to each task listed within the scheduling software. This field is used to sequence the order of tasks and to group like tasks under defined headings. The Gantt chart included in this Semi-Annual Report is a collapsed version of a larger project management scheduling 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.



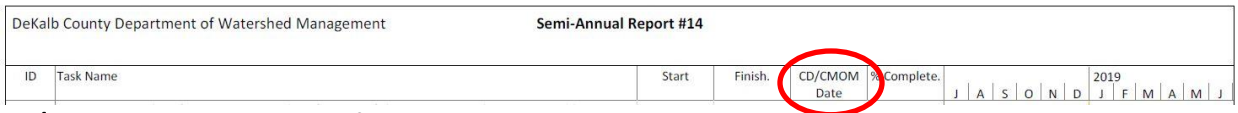
Task Name - Name of the task.



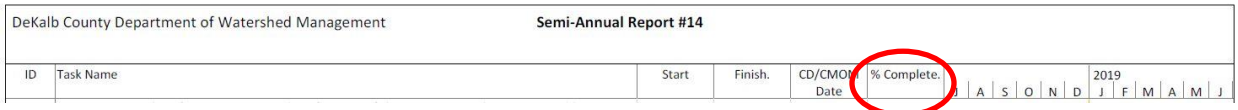
Start - Date the task started or is projected to start.



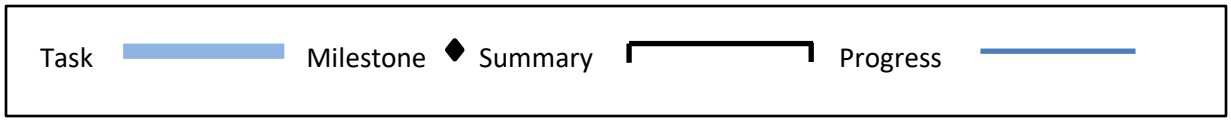
Finished - Date the task finished or is projected to finish.



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.



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

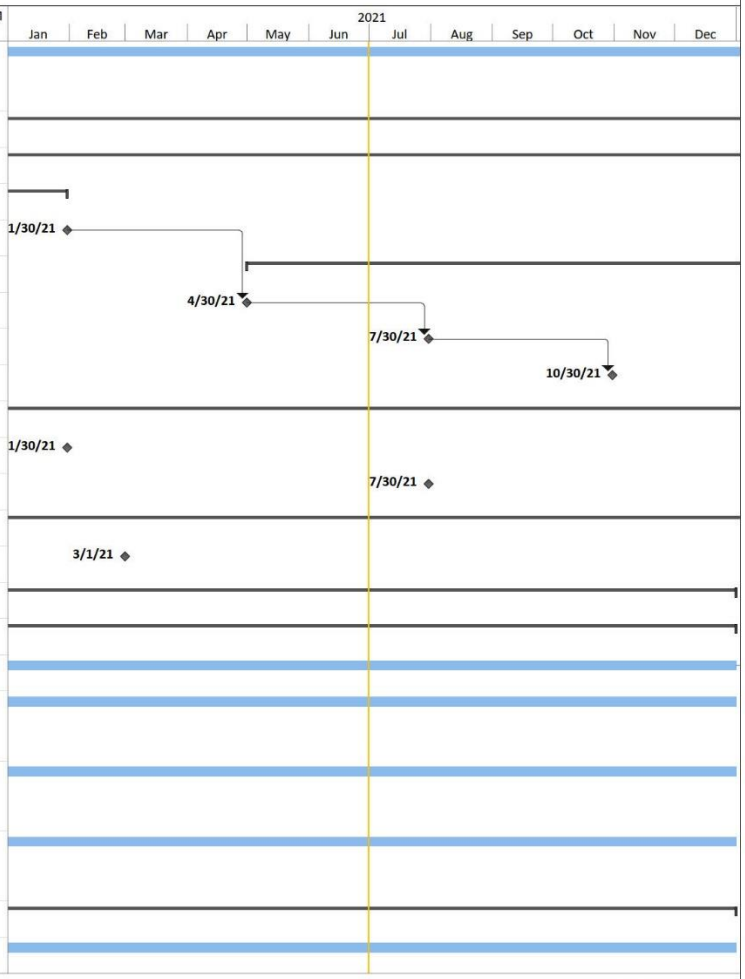


Legend - The tasks, milestones, summary, and progress are shown on the chart using the above symbols and line styles.

DeKalb County Department of Watershed Management

Semi-Annual Report #19

ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
4	**Capacity Management, Operations and Maintenance Programs (CMOM) Update**				
30	**0. Consent Decree Reporting**			**Ongoing**	
112	**Quarterly SSO Reporting**			**Ongoing**	
142	**Quarterly Recurring Report to EPA (2020)**				
146	Submit Quarterly SSO Report 36		1/30/21	100%	
147	**Quarterly Recurring Report to EPA (2021)**				
148	Submit Quarterly SSO Report 37		4/30/21	100%	
149	Submit Quarterly SSO Report 38		7/30/21	0%	
150	Submit Quarterly SSO Report 39		10/30/21	0%	
157	**Semi-Annual Recurring Reporting to EPA**			**Ongoing**	
256	**Semi-Annual Recurring Report 18**		1/30/21	100%	
258	**Semi-Annual Recurring Report 19**		7/30/21	0%	
262	**Annual Recurring Reporting to EPA**			**Ongoing**	
322	**Annual Recurring Report 9**		3/1/21	100%	
686	**1. Contingency and Emergency Response Plan (CERP)**			**Ongoing**	
693	**Training**			**Ongoing**	
694	Conduct CERP refresher training (203 DWM staff plus new employees in 1H21)			Ongoing	
695	Conduct SSO training regarding identification and reporting requirements (348 County staff plus new employees in 1H21)			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 (36 Contractor staff in 1H21)			Ongoing	
698	**Community Awareness**			**Ongoing**	
699	Continue to expand social media presence for spill reporting			Ongoing	



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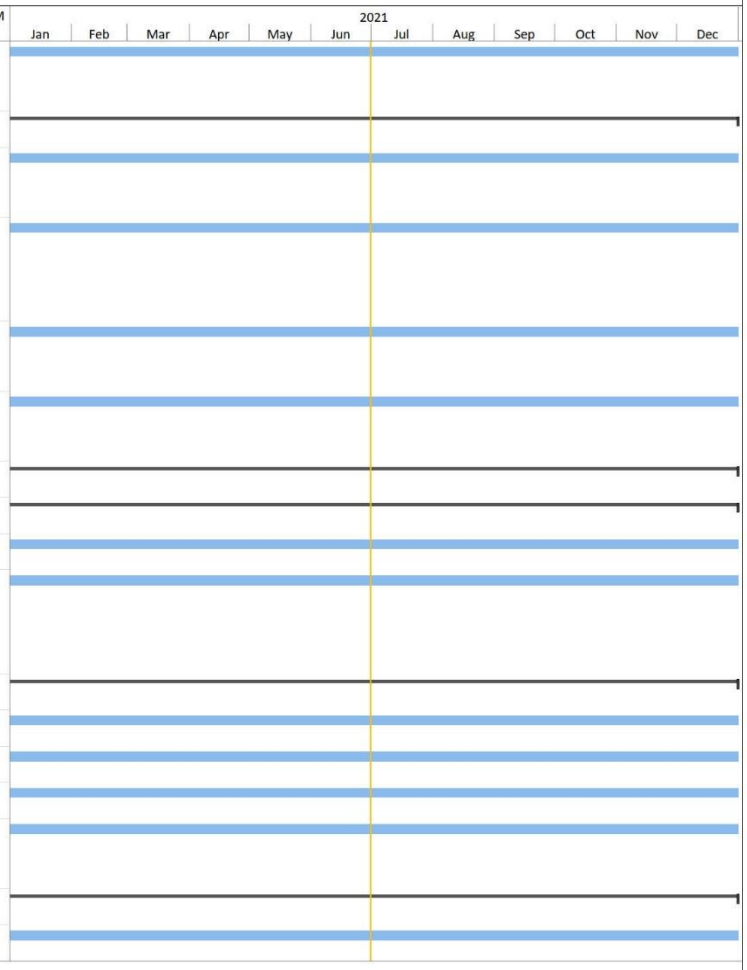
ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
700	Amplify community awareness and educational efforts relating to FOG (distributed 391,890 virtual and 1,935 hard copies of FOG flyers in 1H21)			Ongoing	
701	**Corrective Actions**			**Ongoing**	
703	Continue to monitor and coordinate areas for follow up cleaning or rehabilitation (11,554 lf cleaned in 1H21)			Ongoing	
704	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 (37 Events reaching 497 Citizens in 1H21)			Ongoing	
710	Sponsor school outreach with "No FOG, No Clog" info. Conducted school events with focus on FOG's impact to sewer system (16 Events and 34 Presentations reaching 2,068 students in 1H21)			Ongoing	
713	**Program Compliance and Enforcement**			**Ongoing**	
714	Perform FOG interceptor inspections on food service establishments (2,744 In 1H21)			Ongoing	
715	Issue FOG interceptor warning citations requiring compliance (702 in 1H21)			Ongoing	
716	Issue FOG interceptor permits (1,463 in 1H21)			Ongoing	
717	Issue FOG interceptor court summons (14 Summons issued In 1H21 with 4 cases resolved)			Ongoing	
718	**Program Statistics**			**Ongoing**	
719	Food service haulers remove fats, oil and grease (2.4 MG in 1H21)			Ongoing	



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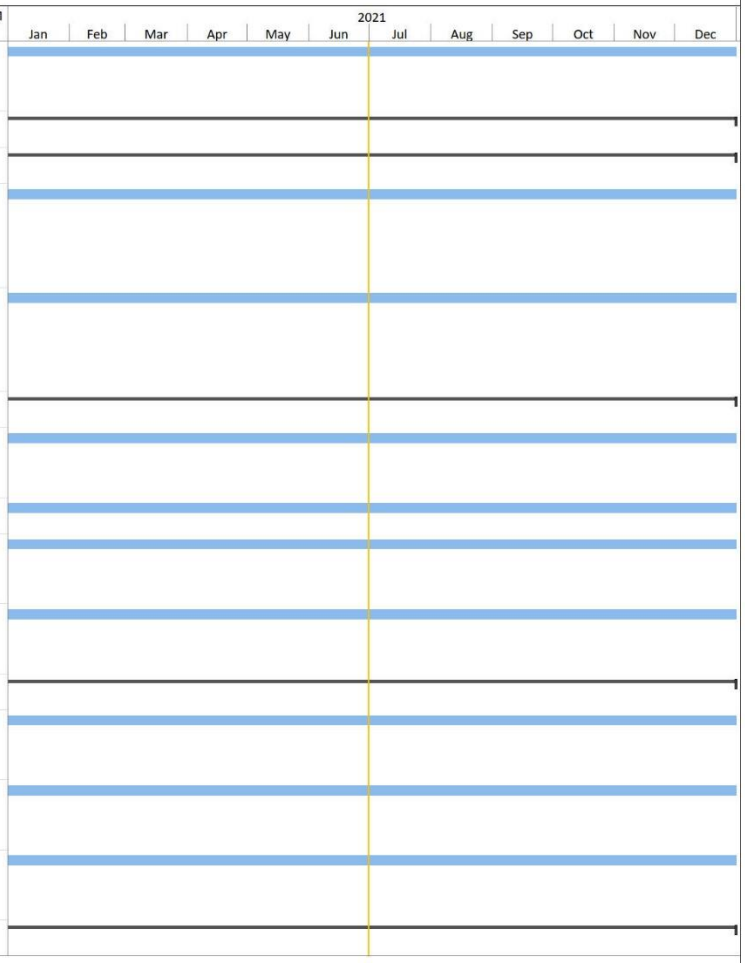
ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
721	Placed multifamily complexes under enforcement for violations related to FOG ordinance regulating spills (0 multifamily violations in 1H21)			Ongoing	
724	**3. Sewer Mapping Program**			**Ongoing**	
725	**Data Input and Quality Control**			**Ongoing**	
726	Continue to populate Geographic Information System (GIS) map layer for sanitary sewer easements to provide access locations for maintenance assets (1,224 easements were identified from drawings and subdivision plats and added to GIS layer in 1H21)			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 (2,978 hours of training performed in 1H21)			Ongoing	
741	Knowledge Officer & Supervisors work to document & schedule training as described in program			Ongoing	
742	**5. System-Wide Flow & Rainfall Monitoring Program**			**Ongoing**	



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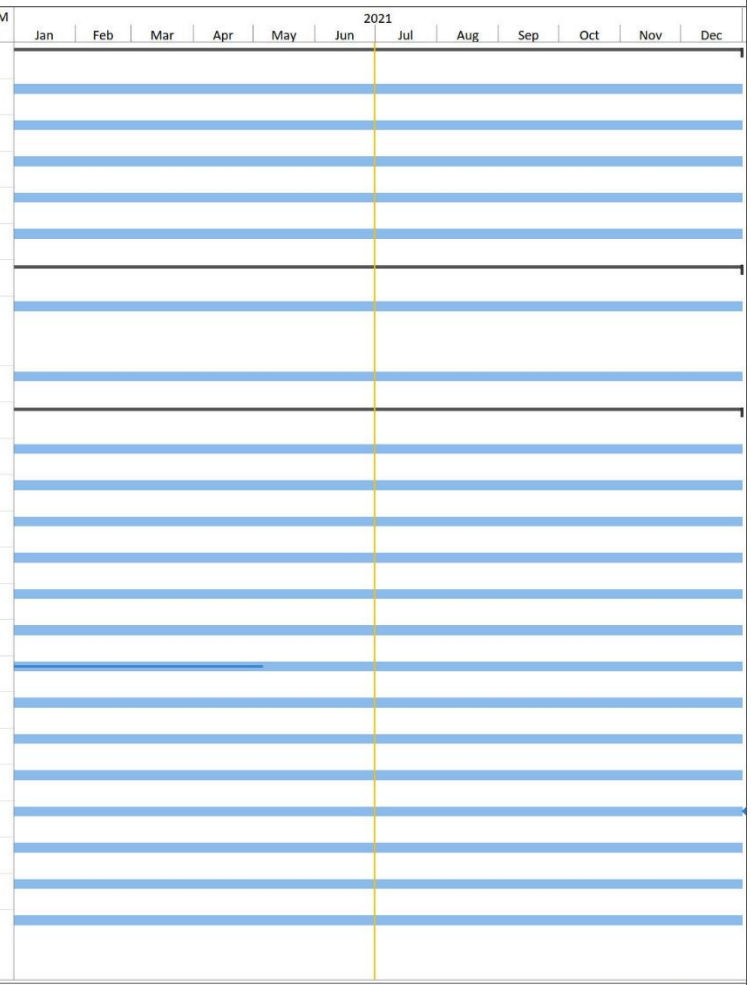
Semi-Annual Report #19

ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
954	**Flow Monitoring Program - Management**			**Ongoing**	
956	Install manhole mounted infiltration/inflow monitoring system			Ongoing	
960	Implement an audit program to quantify and track flow monitoring data			Ongoing	
961	Install modems into flow meters and rain gauges (14 in 1H21)			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 (18,690 lf in 1H21)			Ongoing	
969	Review lift station acquisitions as required (0 in 1H21)			Ongoing	
970	Complete wastewater plan reviews of buildings (738 in 1H21)			Ongoing	
971	Complete wastewater plan reviews of land disturbances (148 in 1H21)			Ongoing	
972	Complete final plat reviews (20 in 1H21)			Ongoing	
973	Complete FOG building reviews (682 In 1H21)			Ongoing	
974	Complete backflow reviews for building and LDP (702 in 1H21)			Ongoing	
975	Review sewer capacity requests (276 received in 1H21)			Ongoing	
976	Issue capacity requests (183 in 1H21 including 48 conditional)			Ongoing	
977	Sewer capacity requests (2 canceled in 1H21)			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	



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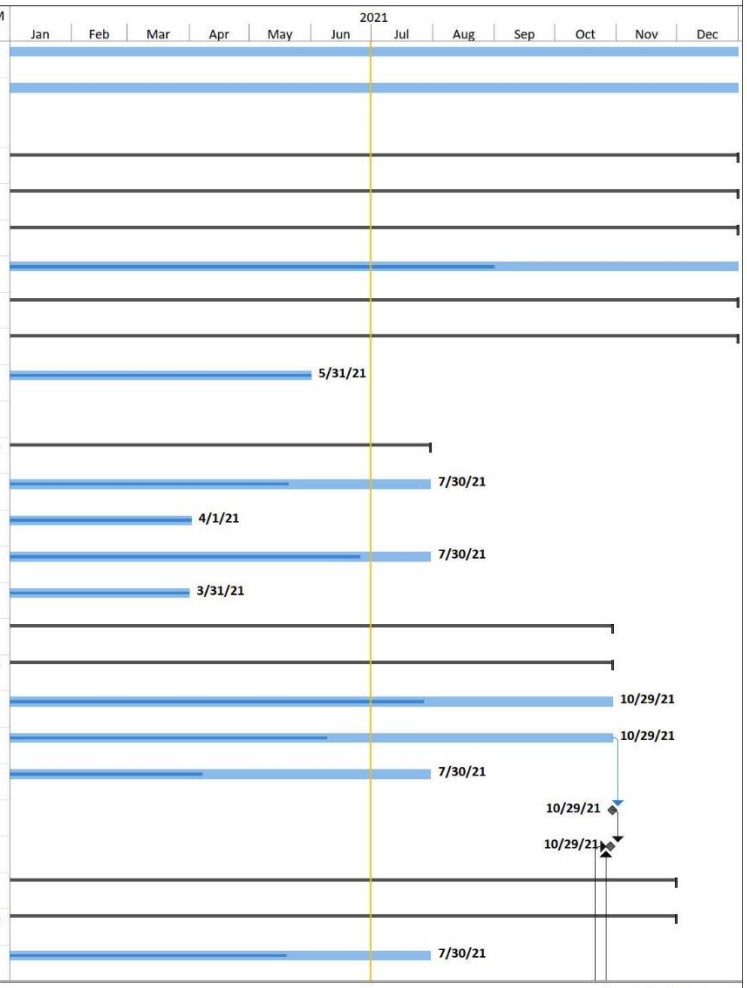
ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
986	Streamline capacity allotment process with cities' permitting procedures			Ongoing	
987	Continue using steady state hydraulic routing model for capacity request reviews until dynamic models are approved by the County			Ongoing	
988	**7. System-Wide Hydraulic Model**				
1040	**Dynamic Model Development - North Fork Peachtree Creek**				
1087	**Ongoing Maintenance and Support**				
1089	Update and calibrate hydraulic model	9/1/20	12/31/21	75%	NA
1245	**Dynamic Model Development - Intrenchment Creek**				
1290	**Ongoing Maintenance and Support**				
1291	Update and calibrate hydraulic model	9/1/20	5/31/21	100%	NA
1357	**8. Priority Areas Sewer Assessment and Rehabilitation Program (PASARP)**			**Ongoing**	
1584	**EPA Projects Construction**		**7/30/21**		**6/30/20**
1589	3597 Sunderland Circle (DB3)	8/1/19	7/30/21	90%	
1590	1576 Nantahalla Court (DB3)	8/1/19	4/1/21	100%	
1591	2312 Clairmont Rd, A-IG6 (DB3)	8/1/19	7/30/21	95%	
1593	608 S McDonough St (DB3)	2/3/20	3/31/21	100%	
1628	**Design/Build Contract 2 - Package 2**	**1/12/18**	**10/29/21**		
1637	**DB2 Construction**	**4/16/18**	**10/29/21**		**6/30/20**
1641	Proj 04 - Nancy Creek Branch 2	3/1/19	10/29/21	90%	
1642	Proj 05 - Nancy Creek Branch 1	2/26/19	10/29/21	85%	
1643	Proj 06 - A-IG2	5/16/18	7/30/21	90%	
1654	Substantial Completion	10/29/21	10/29/21	0%	
1655	Final Completion	10/29/21	10/29/21	0%	
1656	**Design/Build Contract 3 - Package 3**	**4/1/14**	**11/30/21**		
1665	**DB3 Construction**	**8/1/19**	**11/30/21**		**6/30/20**
1666	Proj 01 - 3597 Sunderland Circle, 1083 Wimberly Rd, A-IG4 (EPA, OSARP SSO)	8/1/19	7/30/21	90%	



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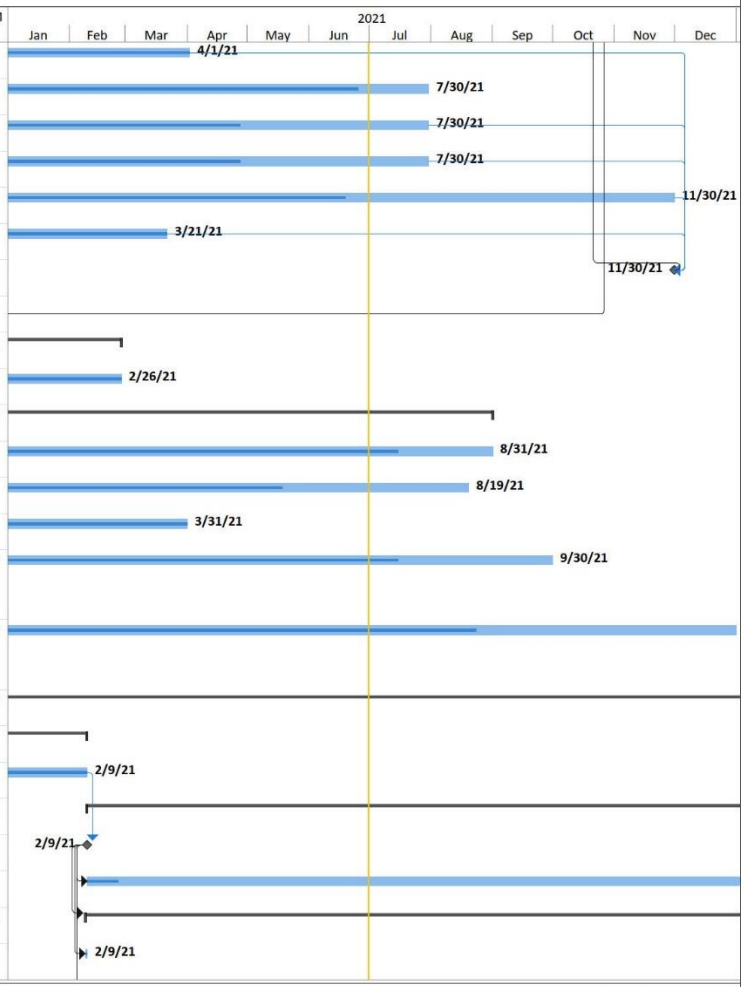
ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
1667	Proj 02 - 1576 Nantahalla Court (EPA)	8/1/19	4/1/21	100%	
1668	Proj 03 - 2312 Clairmont Rd, A-IG6 (EPA)	8/1/19	7/30/21	95%	
1669	Proj 04 - 854 Sheppard Rd (OSARP SSO)	10/17/19	7/30/21	85%	
1670	Proj 04 - A-SF2 (OSARP SSO)	10/17/19	7/30/21	85%	
1671	Proj 05 - Snapfinger Woods Dr (OSARP SSO)	8/29/19	11/30/21	80%	
1673	Proj 07 - 608 S McDonough St (EPA)	2/3/20	3/21/21	100%	
1674	Substantial Completion	11/30/21	11/30/21	0%	
1675	Final Completion	4/1/14	4/1/14	0%	
1676	**Annual AE Contract 1 - Package 5 {Design Only}**	**5/11/18**	**2/26/21**	100%	**6/30/20**
1682	Priority 1 Projects (Components 3, 4, 12 14)	3/13/19	2/26/21	100%	
1693	**Annual AE Contract 3 - Package 7 {Design Only}**	**10/1/18**	**8/31/21**		**6/30/20**
1697	Priority 1A Projects (Component 8)	1/3/19	8/31/21	95%	
1698	Priority 2 Projects (Components 1, 3, 4)	1/3/19	8/19/21	90%	
1699	Priority 3 Projects (Components 5, 7, 9)	10/4/19	3/31/21	100%	
1711	**Annual Construction Contracts 1-2 (includes approved change order)**	**8/8/19**	**9/30/21**	**95%**	**6/30/20**
1712	**Annual Construction Contracts 3-4 (includes approved change order)**	**8/8/19**	**12/31/21**	**90%**	**6/30/20**
1714	**New Gravity Sewer Rehabilitation and Replacement (GSRR) Contracts**	**5/13/19**	**2/28/25**		**6/30/20**
1715	**GSRR Procurement**	**5/13/19**	**2/9/21**	**100%**	
1721	P&C Issue NTPs	7/15/20	2/9/21	100%	
1722	**GSRR Section 1 Construction**	**2/9/21**	**2/28/25**		**6/30/20**
1723	Issue Task Orders for GSSR Section 1 Construction	2/9/21	2/9/21	100%	
1724	GSSR Section 1 Lining/Point Repairs Construction	2/10/21	2/28/25	1%	
1725	**GSSR Section 2 Construction**	**2/9/21**	**2/28/25**		**6/30/20**
1726	Issue Task Orders for GSRR Section 2 Construction	2/9/21	2/9/21	100%	



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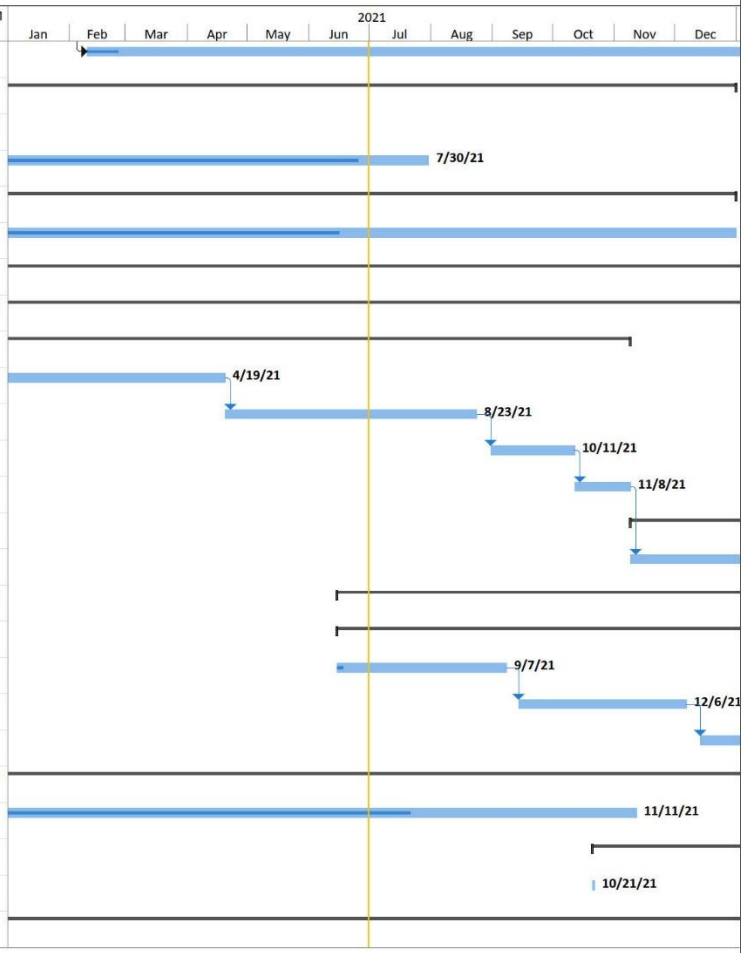
ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
1727	GSSR Section 2 Sewer Replacement Construction	2/10/21	2/28/25	1%	
1728	**New Co-Op Agreements**	**8/1/19**	**12/31/21**		
1729	**Construction Contract COP1**	**8/1/19**	**7/30/21**		**6/30/20**
1730	COP1 Lining/Point Repair Construction	8/2/19	7/30/21	95%	
1731	**Construction Contract COP2**	**10/16/19**	**12/31/21**		**6/30/20**
1732	COP2 Lining/Point Repair Construction	10/16/19	12/31/21	75%	
1733	**Other**	**10/23/20**	**4/28/23**		
1734	**Shoal Creek Trunk Sewer**	**11/30/20**	**4/28/23**		**6/30/20**
1735	**Shoal Creek Trunk Sewer Design RFP Procurement**	**11/30/20**	**11/8/21**		
1736	P&C Advertisement of RFP	11/30/20	4/19/21	100%	
1737	Bids Due	4/20/21	8/23/21	75%	
1738	BOC Approval	8/31/21	10/11/21	0%	
1739	NTP	10/12/21	11/8/21	0%	
1740	**Shoal Creek Trunk Sewer Design**	**11/9/21**	**4/28/23**		
1741	BODR	11/9/21	2/14/22	0%	
1747	**Sewer Trunk Design**	**6/15/21**	**5/2/22**		**6/30/20**
1748	**Sewer Trunk Design RFP Procurement**	**6/15/21**	**5/2/22**		
1749	P&C Advertisement of RFP	6/15/21	9/7/21	5%	
1750	Bids Due	9/14/21	12/6/21	0%	
1751	BOC Approval	12/14/21	4/4/22	0%	
1753	**Snapfinger Basin Wet Weather Tanks Design/Build**	**10/23/20**	**12/20/22**		**6/30/20**
1754	**Preliminary Engineering**	**10/23/20**	**11/11/21**	70%	
1755	**Design/Build RFP Procurement**	**10/21/21**	**12/20/22**		
1756	Needs Meeting	10/21/21	10/21/21	0%	
1761	**Construction Task Orders**	**1/2/19**	**6/20/24**		



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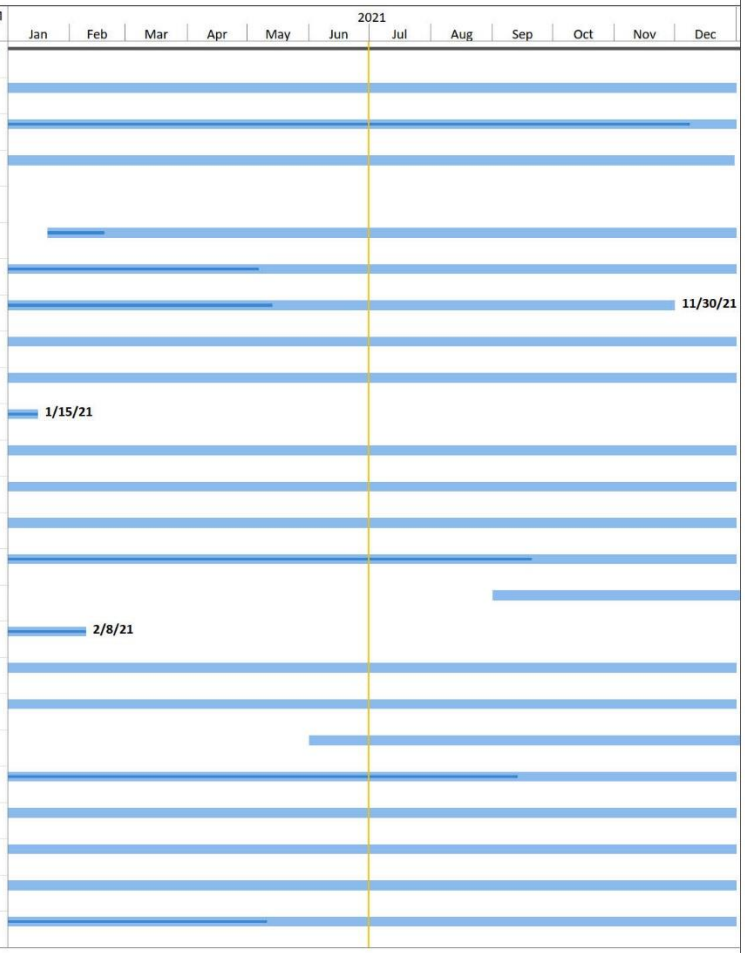
ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
1762	**Multiple Contractors**	**1/2/19**	**6/20/24**		**6/30/20**
1765	Task 1 - Phs 1c - 3230 Boring Road / 4347 Flat Shoals Pkwy {IPR}	7/19/19	12/31/21	70%	
1766	Task 1 - Phs 2a - 3230 Boring Road / 4347 Flat Shoals Pkwy {Insituform}	8/3/20	12/31/21	95%	
1768	Task 2 - Phs 1a - 1416 Cobb Branch Dr {RGI}	9/1/20	12/30/21	0%	
1769	Task 2 - Phs 2a - 1416 Cobb Branch Dr {Insituform}	1/28/20	7/30/20	100%	
1771	Task 3 - Phs 2a - 161 Hood Circle {Insituform}	1/21/21	12/31/21	8%	
1772	Task 4 - Phs 1a - 608 S McDonough / 101 Green St {IPR}	10/18/19	12/31/21	70%	
1773	Task 4 - Phs 1b - 608 S McDonough / 101 Green St {Garney}	2/3/20	11/30/21	70%	
1774	Task 4 - Phs 2a - 608 S McDonough / 101 Green St {IPR}	6/1/20	12/31/21	25%	
1775	Task 4 - Phs 2b - 608 S McDonough / 101 Green St {Insituform}	8/3/20	12/31/21	0%	
1778	Task 5 - Phs 2a - East Starmount - Tier 2 Assessment	7/1/20	1/15/21	100%	
1779	Task 6 - Phs 1a - 2480 Miriam Lane / 2269 Glendale Dr {IPR}	7/19/19	12/31/21	85%	
1781	Task 6 - Phs 2a - 2480 Miriam Lane / 2269 Glendale Dr {Insituform}	12/4/19	12/31/21	70%	
1782	Task 6 - Phs 2b - 2480 Miriam Lane / 2269 Glendale Dr {IPR}	5/1/20	12/31/21	70%	
1786	Task 7 - Phs 2a - 1430 Country Squire Dr {Insituform}	2/7/20	12/31/21	85%	
1787	Task 7 - Phs 2b - 1430 Country Squire Dr {RGI}	9/1/21	6/30/22	0%	
1789	Task 8 - Phs 2a - 1440 Sowell Estates - Tier 2 Assessment	7/1/20	2/8/21	100%	
1791	Task 9 - Phs 1b - 1615 Melanie Court {IPR}	7/19/19	12/31/21	65%	
1793	Task 9 - Phs 2b - 1615 Melanie Court {Insituform}	2/7/20	12/31/21	45%	
1794	Task 9 - Phs 2c - 1615 Melanie Court {GSRR}	6/1/21	4/1/22	0%	
1796	Task 10 - Phs 2a - 302/307/308 2nd Ave {Insituform}	12/17/19	12/31/21	85%	
1798	Task 11 - Phs 1a - 3075 Thrasher Circle {RGI}	1/2/19	12/31/21	85%	
1799	Task 11 - Phs 1b - 3075 Thrasher Circle {IPR}	7/19/19	12/31/21	60%	
1800	Task 11 - Phs 1c - 3075 Thrasher Circle {Insituform}	12/16/19	12/31/21	50%	
1803	Task 13 - Phs 2a - 3449 Brookfield Lane / 4124 Flakes Mill Road {Insituform}	1/26/20	12/31/21	90%	



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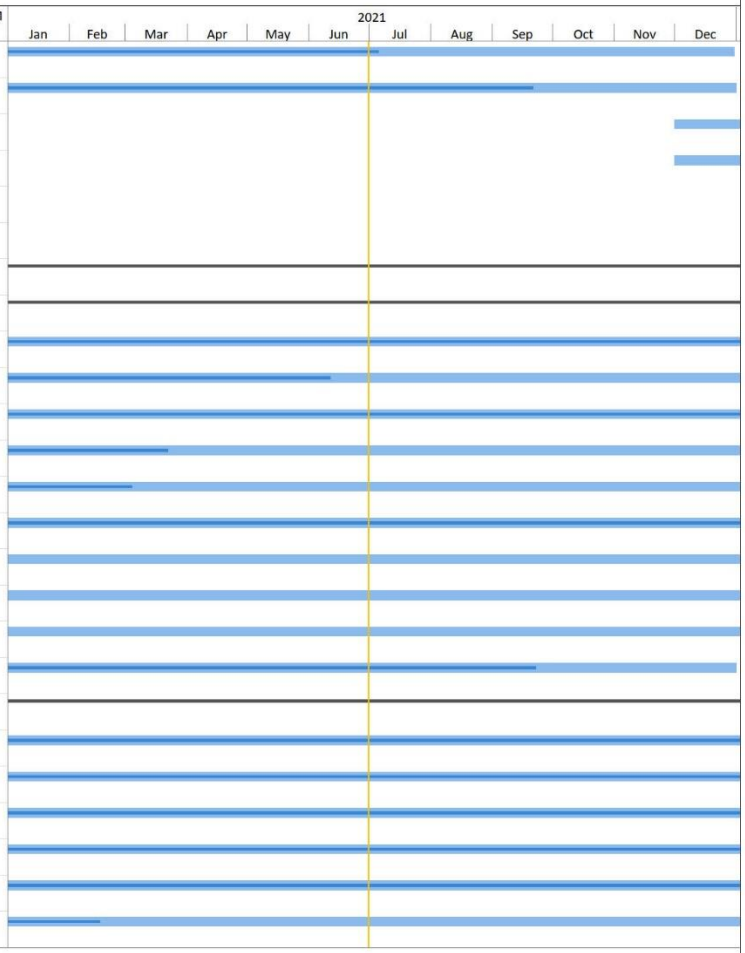
ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
1807	Task 14 - Phs 2a - Panthersville Road {Insituform}	1/10/20	12/30/21	95%	
1809	PFL 17 – Phs 1a – 2052 Grand Prix Dr (Insituform)	2/12/20	12/31/21	85%	
1810	PFL 17 – Phs 2a – 2052 Grand Prix Dr (RGI)	12/1/21	6/20/24	0%	
1811	PFL 22 – Phs 1a – 2562 Tilly Mill Rd (Kemi)	12/1/21	6/20/22	0%	
1812	**9. Ongoing Sewer Assessment and Rehabilitation Program (OSARP)**	**11/1/14**	**10/31/22**		
2006	**OSARP Projects by Work Order**	**2/5/16**	**7/28/21**		
2007	**OSARP Tiered Projects Tier I Assessments**		**12/30/22**		
2008	**Acoustic Testing 326,198 lf in 1H21)**		**12/30/22**		**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	99%	
2024	South Fork Peachtree Creek	4/1/19	5/4/22	61%	
2025	Barbashela Creek	6/3/19	4/29/22	60%	
2026	Lower Snapfinger Creek	7/1/19	4/29/22	95%	
2027	Peavine Creek	5/4/16	12/30/22	36%	NA
2028	North Fork Peachtree Creek	2/5/16	12/30/22	37%	NA
2029	Conley Creek	5/3/17	6/30/22	55%	NA
2030	Cobb Fowler	6/3/16	12/31/21	95%	NA
2031	**Smoke Testing (544,210 lf in 1H21)**		**6/29/22**		**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	99%	
2045	Barbashela Creek	6/3/19	4/29/22	98%	
2046	Lower Snapfinger Creek	7/1/19	4/29/22	98%	
2047	Conley Creek	5/15/17	6/29/22	73%	



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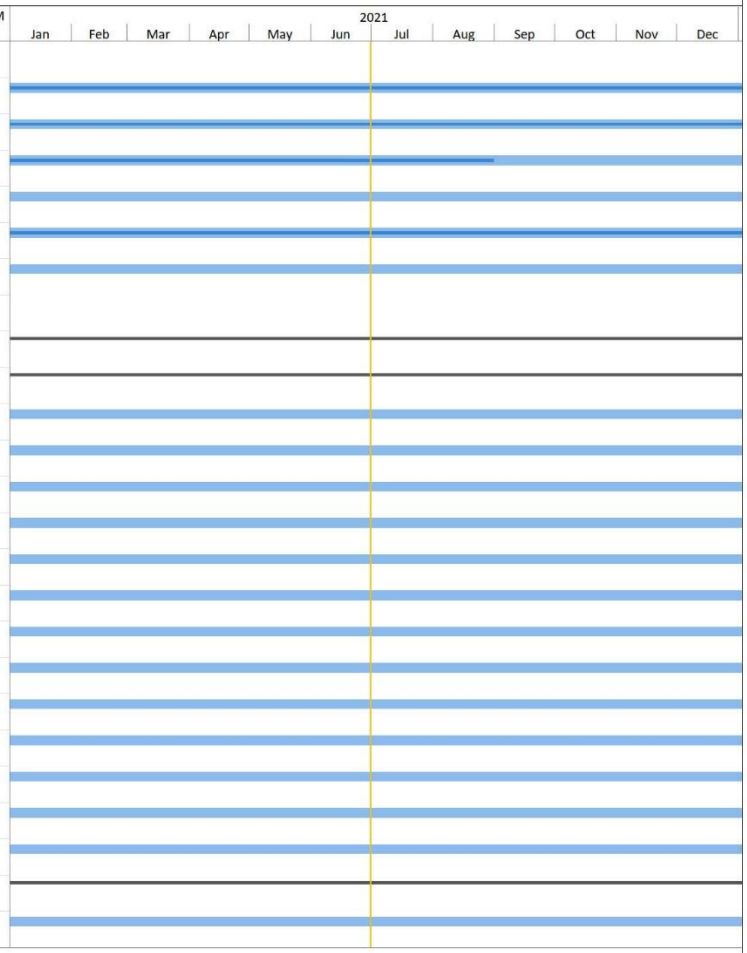
ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
2048	**Manhole Condition Assessments (MCA) (576 each in 1H21)**		**10/16/20**		**NA**
2061	Intrenchment Creek	3/26/18	4/29/22	97%	
2062	Upper Snapfinger Creek	2/1/19	4/29/22	99%	
2063	South Fork Peachtree Creek	3/1/19	4/29/22	79%	
2064	Barbashela Creek	6/3/19	4/29/22	35%	
2065	Lower Snapfinger Creek	7/1/19	4/29/22	90%	
2066	North Fork Peachtree Creek	10/27/15	6/29/22	60%	
2089	**OSARP2 Tiered Projects Assessments - Procurement**	**1/13/20**	**10/30/20**		
2113	**Capacity Restoration (Large Diameter) - OSARP Projects**	**1/17/15**	**12/17/24**		
2134	**TISCIT Inspections/Surveys (Raw Data) (9.42 miles in 1H21)**	**6/5/17**	**12/30/22**		**NA**
2136	Upper Snapfinger Creek	8/22/17	12/30/22	92%	
2137	North Fork Peachtree Creek	4/10/18	12/30/22	90%	
2138	Conley Creek	2/5/18	12/30/22	90%	
2140	South Fork Peachtree Creek	3/29/18	12/30/22	89%	
2142	Peavine Creek	12/3/18	12/30/22	95%	
2143	Indian Creek	5/1/18	12/30/22	95%	
2144	Polebridge Creek	5/1/18	12/30/22	90%	
2146	Intrenchment Creek	6/28/18	12/30/22	60%	
2150	Ball Mill Creek	10/15/18	12/30/22	89%	
2151	Lower Stone Mountain Creek	10/30/18	12/30/22	96%	
2152	Barbashela Creek	11/19/18	12/30/22	94%	
2154	Honey Creek	3/12/19	12/30/22	98%	
2155	Doolittle Creek	3/19/19	12/30/22	94%	
2158	**Large Diameter Cleaning (Raw Data) (2 tons in 1H21)**	**7/1/16**	**12/30/22**		**NA**
2159	Nancy Creek Sewershed_90	9/20/17	12/30/22	58%	



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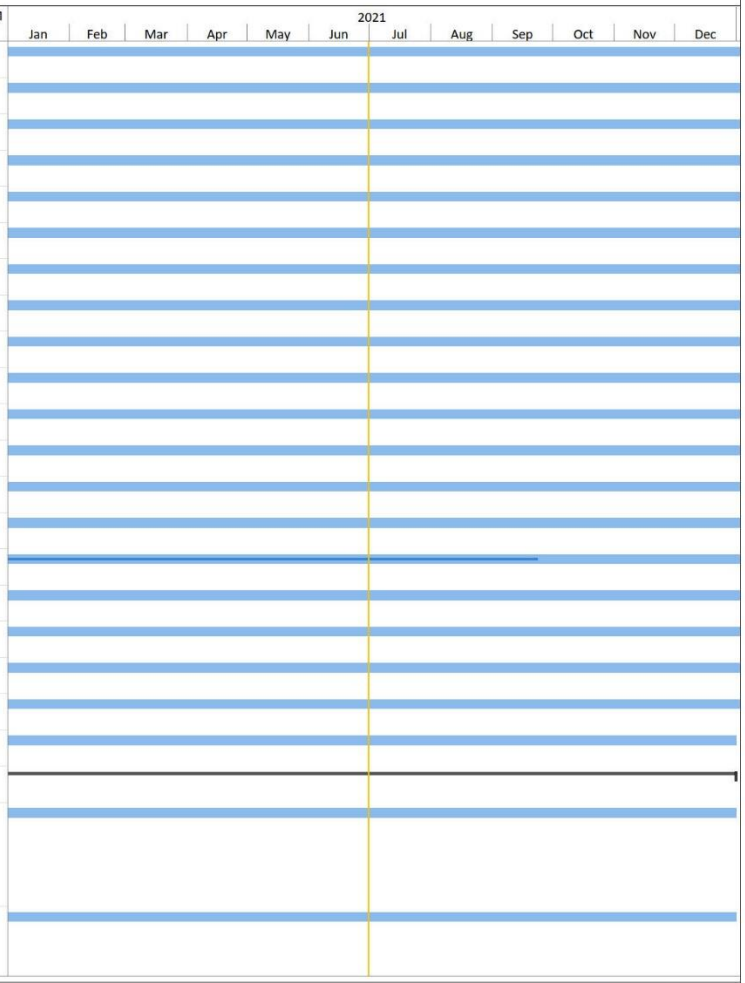
ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
2160	Conley Creek_78	6/11/18	12/30/22	45%	
2161	Lower Snapfinger Creek_50	6/1/18	12/30/22	39%	
2162	Upper Snapfinger Creek_36	2/1/19	12/30/22	62%	
2163	North Fork Peachtree Creek_101	4/4/18	12/30/22	60%	
2164	Upper Crooked Creek_1	6/3/19	12/30/22	1%	
2165	South Fork Peachtree Creek	8/7/18	12/30/22	54%	
2166	Peavine Creek_25	3/1/19	12/30/22	17%	
2167	Indian Creek_3	3/1/19	12/30/22	59%	
2169	Intrenchment Creek_37	11/7/17	12/30/22	2%	
2170	Shoal Creek_Melanie Court_3	3/1/19	12/30/22	32%	
2173	Sugar Creek_12	5/3/19	12/30/22	1%	
2174	Ball Mill Creek_6	6/3/19	12/30/22	1%	
2175	Lower Stone Mountain Creek_20	6/3/19	12/30/22	1%	
2176	Barbashela Creek_23	4/15/19	12/30/22	45%	
2177	Lower Crooked Creek_14	4/1/19	12/30/22	90%	
2178	Doolittle Creek_28	3/2/20	12/30/22	0%	
2179	Crooked Creek_19	3/2/20	12/30/22	0%	
2180	Honey Creek_20	3/2/20	12/30/22	0%	
2181	Corn Creek_8	3/2/20	12/30/22	0%	
2183	**Manhole Condition Assessments (0 each in 1H21)**	**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 (385 Miles in 1H21), chemically treating roots in sewer mains (90 Miles in 1H21) and clearing easements (388 linear miles in 1H21)			Ongoing	
3605	Perform sewer creek crossing inspection of pipes requiring a revisit within a year (1,050 Inspections in 1H21)			Ongoing	



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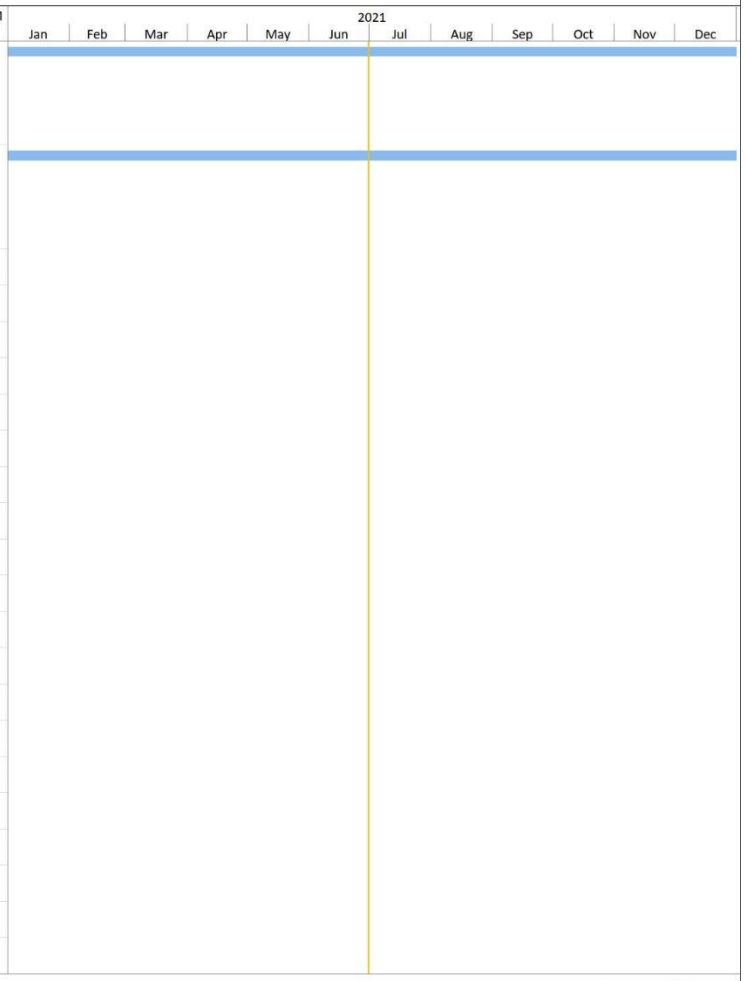
ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
3606	Notify property owners of deficiencies with their private sewer laterals discovered by PASARP smoke testing. Requested owners to fix defects and respond with proof of completion (195 repairs completed on laterals in 1H21)			Ongoing	
3608	Use Sewer Line Rapid Assessment Tool (SL_RAT) acoustic inspection tool to investigate blockages in pipes and determine if pipes need cleaning based on percentage blocked (10.3 miles in 1H21)			Ongoing	
4355					
4356					
4357	**Acronyms :**				
4358	AE - Architectural Engineer or Design Consultant				
4359	BOC - Board of Commissioners				
4360	CD - Consent Decree				
4361	CDPMT - Consent Decree Program Management Team				
4362	CERP - Contingency and Emergency Response Plan				
4363	CMOM - Capacity, Management, Operations, and Maintenance				
4364	D/B - Design Build				
4365	DWM - Department of Watershed Management				
4366	EPA - US Environmental Protection Agency				
4367	FOG - Fats, Oils & Grease				
4368	GIS - Geographic Information System				
4369	lf - linear feet				
4370	LS - Lift Station				
4371	NTP - Notice to Proceed				
4372	OSARP - Ongoing Sewer Assessment and Rehabilitation Program				
4373	PASARP - Priority Area Sewer Assessment and Rehabilitation Program				
4374	P&C - Purchasing & Contracting				



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ID	Task Name	Start	Finish	% Complete.	CD/CMOM Date
4375	QA - Quality Assurance				
4376	QC - Quality Check				
4377	RFP - Request for Proposal				
4378	SSO - Sanitary Sewer Overflow				
4379	TISCIT - Totally Integrated Sonar and Camera Inspection Technology				
4380					
4381	**Levels**				
4382	Level 1 - Task				
4383	Level 2 - SubTask				
4384	Level 3 - Area				
4385	Level 4 - Element				
4386	Level 5 - SubElement				
4394	Level 6 - SubSubElement				

2021: Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec

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