



## Office of the Chief Executive Officer

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Chief Executive Officer  
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*Via Electronic Mail and U.S. Mail*  
January 30, 2018

Chief, Clean Water Branch  
ATTN: Ms. Sara Janovitz  
Water Protection Division  
U.S. Environmental Protection Agency, Region 4  
61 Forsyth Street, S.W.  
Atlanta, GA 30303

**RE: Clean Water Act Consent Decree 1:10cv 4039-WSD  
January 30, 2018 - 12<sup>th</sup> Semi-Annual Report Submittal**

Dear Ms. Janovitz:

As required by §IX. Reporting Requirement of the Consent Decree associated with the above referenced civil action, we are submitting the following document for your review and comment:

- **January 30, 2018 – 12<sup>th</sup> Semi-Annual Report**

I certify under penalty of law that these documents and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations pursuant to CWA Section 309(c)(4).

If you have questions or comments regarding this submittal, please call me at 770-621-2174.

Respectfully,

  
Zachary L. Williams,  
Chief Operating Officer /Executive Assistant  
DeKalb County, Georgia

ZLW/mcw/zg

cc: Georgia EPD  
Viviane Ernstes, Interim County Attorney  
William "Ted" Rhinehart, Deputy COO  
Scott Towler, P.E., Director, DWM  
Margaret A. Tanner, P.E., Deputy Director, DWM  
Reginald D. Wells, P.E., Deputy Director, DWM  
Darren Eastall, Consent Decree Administrator  
E. Fitzgerald Veira, Troutman Sanders  
Matthew C. Welch, Esquire

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# Semi-Annual Report #12

July 1, 2017 to December 31, 2017  
Civil Action No. 1:10cv4039 - WSD

**DeKalb County  
Department of Watershed Management**



January 30, 2018

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## Acronyms

CD	Consent Decree
CDPMT	Consent Decree Program Management Team
CERP	Contingency and Emergency Response Plan
CIP	Capital Improvement Program
CMOM	Capacity, Management, Operations, and Maintenance
DWM	Department of Watershed Management (DeKalb County)
EPA	United States Environmental Protection Agency
EPD	Georgia Environmental Protection Division
FOG	Fats, Oils, and Grease
GIS	Geographic Information System
MMS	Maintenance Management System
NA	Not Applicable
NTP	Notice to Proceed
OSARP	Ongoing Sewer Assessment and Rehabilitation Program
PASARP	Priority Areas Sewer Assessment and Rehabilitation Program
SSO	Sanitary Sewer Overflow
WCTS	Wastewater Collection and Transmission System

## Introduction

The DeKalb County (the “County”) Department of Watershed Management (DWM) submits this twelfth 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 second six months of 2017 and several projects and activities are projected to be implemented in the first six months of 2018. 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 Consent Decree provision outlined above.

See Table 1 below for a summary of submittals and projected submittals during the reporting period.

**Table 1. CONSENT DECREE SUBMITTALS – SCHEDULE AND STATUS**

<b>Consent Decree #</b>	<b>Title</b>	<b>DWM Submittal for Review</b>
<b>IX. (56)</b>	<b>Quarterly Report</b>	<b>July 31, 2017</b>
<b>IX. (57)</b>	<b>11<sup>th</sup> Semi Annual Report</b>	<b>July 31, 2017</b>
<b>IX. (56)</b>	<b>Quarterly Report</b>	<b>October 30, 2017</b>
<b>IX. (56)</b>	<b>Quarterly Report</b>	<b>January 30, 2018</b>
<b>IX. (57)</b>	<b>This 12<sup>th</sup> Semi Annual Report</b>	<b>January 30, 2018</b>
<b>IX. (57)</b>	<b>6<sup>th</sup> Annual Report</b>	<b>March 1, 2018</b>
<b>IX. (56)</b>	<b>Quarterly Report</b>	<b>April 30, 2018</b>

## CMOM Programs' Narrative Update

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

#### a) Projects and Activities Accomplished for the Reporting Period 7/1/2017 to 12/31/2017

- i.) CERP refresher training for 132 personnel in divisions of DWM.
- ii.) Continued Fats, Oils, and Grease (FOG) education efforts following grease related spills (additional information under FOG program). Over 20,000 FOG education flyers were distributed to residents in areas of spills, educating them about the effects of FOG on the collection system.
- iii.) County in-stream monitoring resulted in the discovery of four major spills.
- iv.) Monthly first responder training in CERP and operational policies and procedures.
- v.) CERP training was held to train contractors involved with CD related projects and new DeKalb County DWM employees were trained during the new employee orientation class. See [Gantt chart line 2839](#).
- vi.) Attended meeting of Departmental Public Information Officers on 11/27/2017. Distributed Consent Decree information about reporting Sanitary Sewer Overflows (SSO) to DWM and CERP.

Exception Reporting: 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, that publishes once per week, requires up to a 10-day pre-notice timeframe). Notwithstanding the inability to meet the 7-day timeframe, the County does provide the public notice.

#### b) Projects and Activities Anticipated for the Reporting Period 1/1/2018 to 6/30/2018

- i.) Submit updated CERP CMOM document.
- ii.) Yearly CERP refresher training for DWM personnel.
- iii.) Continue first responder training and review of policies and procedures related to SSO mitigation and prevention.

### 2. Fats, Oils, and Grease (FOG) Management Program (CD VI.B.ii)

#### a) Projects and Activities Accomplished for the Reporting Period 7/1/2017 to 12/31/17

- i.) Sponsored 164 public outreach events reaching approximately 11,700 citizens.
- ii.) Total inspections: 4,860

- iii.) Warning citations issued: 432
- iv.) Permits issued: 710
- v.) Court summons issued: 90
- vi.) Met with municipalities located within DeKalb County to coordinate program efforts and maintain open lines of communication.
- vii.) Coordinated with Georgia Tech Masters of Business Administration candidates for study of FOG education efforts in DeKalb. This included a study of existing education methods and recommendations for additional methods. A FOG awareness survey was performed and report delivered for departmental review.

**b) Projects and Activities Anticipated for the Reporting Period 1/1/2018 to 6/30/2018**

- i.) Expand communication with County residents and customers as part of the Public Education Program through programs like the Watershed calendar contest that featured FOG education.
- ii.) Continue to have FOG inspectors participate in FOG investigations as part of trends analysis follow up.
- iii.) Continue aggressive enforcement program aimed at achieving higher compliance with the FOG ordinance.
- iv.) Enhance public education efforts to increase awareness and participation in existing FOG Public Outreach Survey.
- v.) Review Georgia Tech report and develop plans for implementation of recommendations as appropriate.
- vi.) Continue using social media, school presentations, and community meetings to partner with customers on preventing FOG from entering the collection system.

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

**a) Projects and Activities Accomplished for the Reporting Period 7/1/2017 to 12/31/2017**

- i.) Contracted with an engineering firm to create and populate a Geographic Information System (GIS) layer for sanitary sewer easements in the County. 1,606 easements were added to the GIS layer.
- ii.) Continued updates to the Sewer Mapping GIS to reflect new developments, connectivity issues, system improvements and maintenance revisions.

iii.) Began procurement of a GIS surveying contract for sanitary sewer data to replace the expiring contract.

iv.) Conducted major update of sanitary sewer GIS data.

**b) Projects and Activities Anticipated for the Reporting Period 1/1/2018 to 6/30/2018**

i.) Complete procurement process of a GIS surveying contract for sanitary sewer data.

ii.) Continue updates to the Sewer Mapping GIS to reflect new developments, connectivity issues, system improvements and maintenance revisions.

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

**a) Projects and Activities Accomplished for the Reporting Period 7/1/2017 to 12/31/2017**

DWM continued generating monthly training reports for superintendents and managers and quarterly reports for executive management staff. These reports include personnel who are listed as not having completed required training. The reports are used by supervisors to schedule those listed personnel in available training classes.

**b) Projects and Activities Anticipated for the Reporting Period 1/1/2018 to 6/30/2018**

Update Collection and Transmission Systems Training Program. See [Gantt Chart line 2872](#).

Exception Reporting: DWM is not implementing the program as presently written. DWM is in the process of addressing the gap through redevelopment of the program; however, ongoing training is still being provided through available resources in DWM.

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

**a) Projects and Activities Accomplished for the Reporting Period 7/1/2017 to 12/31/2017**

i.) A thorough inventory effort was initiated to redeploy a flow monitor network throughout the County at strategic points in the system and in the main trunk lines to support development of a dynamic hydraulic model.

ii.) Temporary monitors were placed throughout the system, as needed, to assist in determining available sewer capacity for specific projects.

iii.) Monitors were maintained (battery change outs, modem servicing) and calibrated as needed per site.

iv.) Monitors were used to collect data to support multiple CMOM programs.

v.) A contract for the purchase of a manhole monitoring system was initiated. Purchase expected 2018.



- vi.) Change order approved for purchase of new flow monitors and rain gauges to augment existing equipment.

**b) Projects and Activities Anticipated for the Reporting Period 1/1/2018 to 6/30/2018**

- i.) Continue the use of flow monitors to collect data to support multiple CMOM programs.
- ii.) Install rain gauges in strategic locations to complement the flow monitoring program.
- iii.) Begin installation, calibration, and maintenance of flow monitors and rain gauges to support data collection for creation of dynamic wet weather hydraulic model.
- iv.) Evaluate and perform quality assurance/quality control regarding the new flow monitoring data
- v.) Purchase of manhole monitoring system. These manhole lid attached monitors include intrusion alarms, high water level alarms, and web-based software.

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

**a) Projects and Activities Accomplished for the Reporting Period 7/1/2017 to 12/31/2017**

- i.) Evaluated/Inspected 12,377 feet of pipe
- ii.) No new lift stations acquired this period
- iii.) Wastewater plan review (buildings): 748
- iv.) Wastewater plan review (land disturbance): 145
- v.) Final plat reviews: 26
- vi.) FOG building reviews: 767
- vii.) Sewer capacity requests received: 251
- viii.) Capacity letters issued: 308
- ix.) Completed a review of development and permitting files for projects proposed or initiated within the last twelve months to determine whether the procedures and methods being used for capacity reviews were appropriate, uniform, and consistently applied. Even though the review was not comprehensive, the results confirmed that capacity reviews were not being conducted in a uniform or consistent manner and file documentation was not being properly managed. As such, the County implemented an Interim Protocol, to ensure consistency and uniformity, comprising of an Evaluation Program document and a Standard Operating Procedure. Additionally, the County expanded the use of Cityworks to track and maintain supporting files relating to capacity reviews.

- x.) Developed interim protocols for capacity evaluation
- xi.) Revised the interim protocols to include a fully developed model.

Exception Reporting: Even though the wastewater flows from approved capacity requests were being tracked and incorporated into the preliminary and fully developed model(s), allotment letters were not drafted or sent out to applicants indicating that the applicant's wastewater flows were being allotted for a period of time within the County's sewer system. Additionally, the testing procedures for infrastructure requests were not fully implemented such that documentation of test results were not always maintained.

#### **b) Projects and Activities Anticipated for the Reporting Period 1/1/2018 to 6/30/2018**

- i.) Continue to review new and ongoing development projects for sewer line connectivity as submitted during the permitting process.
- ii.) Continue to review projects converting from septic to sewer.
- iii.) Continue to review final plats, as-builts, and sewer easements for acceptance.
- iv.) Continue to offer customer service to applicants/citizens requesting assistance.
- v.) Review lift-station acquisitions, as required.
- vi.) Utilize the revised interim protocols for capacity assurance and certification of capacity connections.

### **7. System-Wide Hydraulic Model (CD VI.B.vii)**

#### **a) Projects and Activities Accomplished for the Reporting Period 7/1/2017 to 12/31/2017**

- i.) Conducted a quality assurance/quality control review of the preliminary model and identified various concerns regarding model development, underlying GIS data, connectivity, and the integrity of the results.
- ii.) Utilized the interim protocols for capacity request determinations prior to 12/20/2017.
- iii.) Continued field verification of the underlying network assets. Updated the preliminary model with GIS data when available and flow data as projects were approved.
- iv.) Completed the System-Wide Hydraulic Model and supporting documentation which was accepted by the County as fully developed:
  1. Included significant hydraulic model network changes related to 37 critical field surveys which resolved hydraulic connectivity issues and missing or questionable attribute information significantly impacting the model's determination of capacity.
  2. Revised hydraulic model with information from recently completed lift station upgrade projects.

3. Hydraulic model network attribute updates to 601 manholes and gravity pipes.
  4. Developed hydraulic model scenario for maximum month average daily flow as well as protocols and procedures for use of the scenario in evaluating adequate capacity for new capacity requests.
  5. Completed modeling reports update for the three sewer basins which included addressing the County's comments.
  6. Developed hydraulic model for Intrenchment Creek Sewershed.
  7. Prepared modeling report for Intrenchment Creek Sewershed.
- v.) Began the development of final protocols governing the use of the model, once fully developed, based on the results of the third party technical review and the advice of the County's external technical advisors.

**b) Projects and Activities Anticipated for the Reporting Period 1/1/2018 to 6/30/2018**

- i.) Add minor GIS updates to the model.
- ii.) Complete the development and implementation of final protocols governing the use of the model, now fully developed, based on the results of the third party technical review and the advice of the County's external technical advisors.
- iii.) Update the model files and flow conditions per the final protocol.
- iv.) Convert the hydraulic model from InfoWorks CS to InfoWorks ICM.
- v.) Prepare Technical Memorandum for a dynamic model development.
- vi.) Begin model sanitary flow distribution refinement:
  1. Data collection: latest water billing data, large users, large wastewater dischargers, septic tank service areas.
  2. Data review and post processing.
- vii.) Begin flow data analysis/processing for model flow input update and calibration needs within model areas with finished flow monitoring.

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

**a) Projects and Activities Accomplished for the Reporting Period 7/1/2017 to 12/31/2017**

- i.) Identified and replace vented manhole covers in PASARP areas. 2,266 vented manholes were replaced within the County (PASRAP and OSARP areas).
- ii.) Substantially completed tiered assessment of assets within PASARP areas.
- iii.) Received approval of Design Build package number 1 and Notice to Proceed (NTP). Package includes nineteen sewer rehabilitation projects throughout the County.

iv.) Received approval of Design Build package number 2, awaiting NTP.

**b) Projects and Activities Anticipated for the Reporting Period 1/1/2018 to 6/30/2018**

i.) Incorporate EPA Priority Escalation Assignments (See Gantt chart lines 991-1017) to a Design-Build project for execution of rehabilitation or repair as necessary.

ii.) Ongoing Design Build package procurement for other packages as developed (See Gantt chart lines 1188-1343).

iii.) Replace vented manhole covers with solid covers to prevent stormwater entering manholes in both PASARP and Ongoing Sewer Assessment and Rehabilitation Program (OSARP) areas.

iv.) Extend PASARP contracts to provide tiered assessments in OSARP areas.

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

**a) Projects and Activities Accomplished for the Reporting Period 7/1/2017 to 12/31/2017**

i.) Procured a contract for chemical root control application in the system. 8,800 feet of sewer mains were treated for roots during this reporting period.

ii.) Began the process for procuring an easement clearing contract. The awarding of the contract is scheduled for first quarter 2018.

iii.) Performed 662 sewer creek crossing inspections for pipes previously identified as needing revisit within a year. The 662 inspected crossings were the full list of pipes identified.

iv.) Performed 1,517 sewer creek crossing inspections to reevaluate scores from initial inventory and scoring. Deficiencies requiring immediate remediation were repaired using DWM personnel or contractors. These inspections will continue through second quarter of 2018 and will provide a baseline for future inspections including immediate follow ups in second half of 2018.

**b) Projects and Activities Anticipated for the Reporting Period 1/1/2018 to 6/30/2018**

i.) Complete procurement of larger, longer term contract for chemical root control.

ii.) Complete procurement of sewer easement clearing contract.

iii.) Complete procurement of sewer creek crossing inspection contract.

iv.) Begin process of procuring contracts for lift station maintenance as identified by personnel.

## Gantt Chart

As detailed in the Introduction Section of this report, 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		Master Schedule Semi-Annual Report						
ID	Task Name	CD/CMOM Date	% Complete.	J	F	M	A	M

**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 Consent Decree, 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		Master Schedule Semi-Annual Report						
ID	Task Name	CD/CMOM Date	% Complete.	J	F	M	A	M

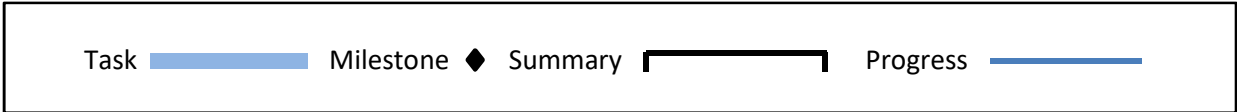
**Task Name** - Name of the task.

DeKalb County Department of Watershed Management		Master Schedule Semi-Annual Report						
ID	Task Name	CD/CMOM Date	% Complete.	J	F	M	A	M

**CD/CMOM Date** - Finish date for a milestone based on the Consent Decree (CD) and CMOM documents. Dates are assigned to milestone type tasks only; other tasks reflect a value of not applicable (NA).

DeKalb County Department of Watershed Management		Master Schedule Semi-Annual Report						
ID	Task Name	CD/CMOM Date	% Complete.	J	F	M	A	M

**% Complete** - Current 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.

Master Schedule  
4Q17 Semi-Annual Report

ID	Task Name	% Complete	Start	Finish	CD/CMOM Date	2017							2018					
						J	A	S	O	N	D	J	F	M	A	M	J	
22	<b>Task #03 CD Reporting</b>		4/1/14	4/30/20	NA													
76	<b>Quarterly Recurring Spills Reporting to EPA</b>		7/30/14	4/30/20	NA													
93	Submit Quarterly Recurring Report 22	100	7/28/17	7/28/17	7/31/17													
94	Submit Quarterly Recurring Report 23	100	10/30/17	10/30/17	10/30/17													
95	Submit Quarterly Recurring Report 24	0	1/30/18	1/30/18	1/30/18													
108	<b>Semi-Annual Recurring Reporting to EPA</b>		12/17/14	1/31/20	NA													
138	Submit Semi-Annual Report 08 to EPA	100	2/1/16	2/1/16	2/1/16													
147	Submit Semi-Annual Report 09 to EPA	100	8/1/16	8/1/16	8/1/16													
154	Submit Semi-Annual Report 10 to EPA	100	1/30/17	1/30/17	1/30/17													
170	Submit Semi-Annual Report 12 to EPA	0	1/30/18	1/30/18	1/30/18													
201	<b>Annual Recurring Reporting to EPA</b>		1/29/15	2/28/20	NA													
246	Submit Annual Report 06 to EPA	0	2/27/18	2/27/18	3/1/18													
263	<b>Task #04 CMOM Programs - Assessment and Rehab Projects</b>		12/31/13	1/26/23	NA													
434	<b>Hydraulic Modeling Approach</b>		4/7/14	6/19/20	NA													
467	Hydraulic Modeling Program: Complete sewershed models and integrate basin-wide models including documentation	100	12/19/17	12/19/17	12/20/17													
644	<b>2018 Flow Monitoring Study for Dynamic Model Development</b>		1/5/18	12/31/19	NA													
646	Install Flow Monitors throughout system	0	1/8/18	8/31/18	NA													
647	Install Rain Gauges throughout system	0	1/29/18	8/31/18	NA													
655	<b>Priority Areas Sewer Assessment &amp; Rehab (PASARP)</b>		5/1/14	1/26/23	NA													
722	<b>PASARP - Sewer Group 1</b>		2/13/15	12/31/18	NA													
738	<b>Assessments - Sewer Group 1</b>		12/30/15	12/31/18	NA													
743	Scheduled Tiered Assess to Substantial Completion	100	2/1/16	8/31/17	NA													
751	CIP 40 Acoustic Testing	100	2/1/16	12/29/17	NA													
752	CIP 40 Smoke Testing	97	2/8/16	2/28/18	NA													
753	CIP 48 MH Inspection	99	2/1/16	2/28/18	NA													
754	CIP 42 Sonar/TISCIT Inspection	100	11/1/16	12/29/17	NA													
755	CIP 42 CCTV Inspection	95	4/25/16	2/28/18	NA													
756	CIP 42 Sonar/TISCIT Heavy Cleaning	25	11/1/16	12/31/18	NA													
758	<b>PASARP - Sewer Group 2</b>		2/13/15	12/31/18	NA													
774	<b>Assessments - Sewer Group 2</b>		12/30/15	12/31/18	NA													
779	Scheduled Tiered Assess to Subs Completion	100	2/15/16	8/31/17	NA													
802	CIP 40 Acoustic Testing	100	2/15/16	12/29/17	NA													
803	CIP 40 Smoke Testing	99	2/15/16	2/28/18	NA													
804	CIP 48 MH Inspection	99	2/15/16	2/28/18	NA													
805	CIP 42 Sonar/TISCIT Inspection	83	10/1/16	2/28/18	NA													
806	CIP 42 CCTV Inspection	100	3/18/16	12/29/17	NA													
807	CIP 42 Sonar/TISCIT Heavy Cleaning	0	10/3/16	12/31/18	NA													
809	<b>PASARP - Sewer Group 3</b>		2/13/15	12/31/18	NA													
825	<b>Assessments - Sewer Group 3</b>		12/30/15	12/31/18	NA													
830	Scheduled Tiered Assess to Subs Completion	100	1/28/16	8/31/17	NA													
850	CIP 40 Acoustic Testing	100	1/28/16	4/28/17	NA													
851	CIP 40 Smoke Testing	100	1/28/16	12/29/17	NA													
852	CIP 48 MH Inspection	100	1/29/16	12/29/17	NA													
853	CIP 42 Sonar/TISCIT Inspection	100	10/3/16	12/29/17	NA													
854	CIP 42 CCTV Inspection	100	3/3/16	12/29/17	NA													
855	CIP 42 Sonar/TISCIT Heavy Cleaning	38	10/3/16	12/31/18	NA													
857	<b>General Area &amp; SSO Escalation Assessments (OSARP)</b>		11/1/14	8/30/22	NA													
858	<b>Assessments</b>		11/1/14	8/30/22	NA													
859	<b>General Area Manhole Condition Assessments</b>		11/1/14	7/31/17	NA													
896	Field Assessments (100% time - 02/28/17)	81	1/11/16	2/28/17	NA													
899	<b>General Area CCTV Assessments</b>		11/1/14	3/31/17	NA													
936	Field Assessments (100% time 01/19/17)	100	8/10/15	1/19/17	NA													
939	<b>General Area MCA &amp; CCTV Assessments (continued)</b>		10/3/16	9/26/19	NA													
949	P&C Issue Bid Package	100	10/6/17	10/6/17	NA													
960	Procurement and Contracting Issuance NTP	0	2/28/18	3/30/18	NA													

Master Schedule  
4Q17 Semi-Annual Report

ID	Task Name	% Complete	Start	Finish	CD/CMOM Date	17							20							
						J	A	S	O	N	D	J	F	M	A	M	J			
962	MCA & CCTV Assessments OSARP Projects	0	4/2/18	9/26/19	NA															
991	PASARP Escalation Assessments (17 WO's Complete)	0	4/4/16	10/31/17	NA															
1007	46 - 3019 Albatross Lane	100	5/26/16	10/31/17	NA															
1008	48 - 1430 Country Squire Dr	100	5/26/16	10/31/17	NA															
1009	PASARP Escalation Design/Build Projects	0	1/19/17	7/30/21	NA															
1012	1101 Cleavemark Dr (RFP#1)	5	9/13/17	3/20/20	NA															
1013	4089 Lindsey Drive (Glenwood Ridge/Covington Hwy) (RFP#1)	5	9/13/17	3/20/20	NA															
1014	1676 Frazier Rd (RFP#1)	5	9/13/17	3/20/20	NA															
1015	2650 Mill Court (Tilly Mill) (RFP#2)	0	1/12/18	3/20/20	NA															
1016	2438 Kings Court (Henderson Mill) (RFP#2)	0	1/12/18	3/20/20	NA															
1017	2737 Winding Lane (RFP#2)	0	1/12/18	3/20/20	NA															
1019	OSARP Escalation Assessments (34 WO's: 7 Open, 27 Complete)	0	3/16/16	4/30/18	NA															
1021	03 - Heritage Heights Sanitary Crossing	100	5/26/16	10/31/17	NA															
1031	21 - 2012 Glenwood Ave W (E Lake Blvd)	100	5/26/16	10/31/17	NA															
1038	32 - 1020 Montreal Rd	100	5/26/16	10/31/17	NA															
1047	54 - 1440 Sowell Estates	0	2/1/18	4/30/18	NA															
1048	55 - 2005 Bencal Drive	0	2/1/18	4/30/18	NA															
1049	56 - 2032/2066 Keheley Drive	0	2/1/18	4/30/18	NA															
1050	57 - 2052 Grand Prix Drive	0	2/1/18	4/30/18	NA															
1051	58 - 2486 Fernleaf Ln / 2502 Wood Trail Ln	0	2/1/18	4/30/18	NA															
1052	59 - 307/312 2nd Ave	0	2/1/18	4/30/18	NA															
1053	60 - 4427 Wesleyan Pointe	0	2/1/18	4/30/18	NA															
1054	61 - 2562 Tilly Mill Rd	0	2/1/18	4/30/18	NA															
1055	62 - 2804 Millwood Way	0	2/1/18	4/30/18	NA															
1056	OSARP Escalation Design/Build Projects	0	6/4/15	8/30/22	NA															
1062	2692 Caladium Drive (RFP#1)	10	9/13/17	12/31/18	NA															
1063	4367 Buford Highway (RFP#1)	5	9/13/17	3/20/20	NA															
1064	121 Lucerne St (RFP#1)	5	9/13/17	3/20/20	NA															
1065	Jolly Ave (RFP#2)	0	1/12/18	3/20/20	NA															
1066	2860 Buford Highway (RFP#2)	0	1/12/18	3/20/20	NA															
1067	5139 N Peachtree Rd (RFP#2)	0	1/12/18	3/20/20	NA															
1068	408 South Susan Creek Dr (RFP#2)	0	1/12/18	3/20/20	NA															
1069	108 E Ponce de Leon (RFP#2)	0	1/12/18	3/20/20	NA															
1070	1760 Mason Mill Rd (RFP#2)	0	1/12/18	3/20/20	NA															
1072	General Area Tiered Assessments (OSARP)	0	2/1/18	12/31/18	NA															
1073	P&C Issues NTP for Change Order 2 to PASARP Contractors	0	2/1/18	2/1/18	NA															
1074	Tiered Assessments Sewer Group 1	0	2/1/18	12/31/18	NA															
1075	Tiered Assessments Sewer Group 2	0	2/1/18	12/31/18	NA															
1076	Tiered Assessments Sewer Group 3	0	2/1/18	12/31/18	NA															
1078	Capacity Restoration (Large Diameter) - OSARP Projects	0	1/17/15	8/28/19	NA															
1097	Capacity Restoration - OSARP Projects - CES	0	5/4/17	8/28/19	NA															
1099	TISCIT Inspections/Surveys (Raw Data)	0	6/5/17	2/25/19	NA															
1100	Nancy Creek Sewershed	100	6/5/17	11/7/17	NA															
1101	Upper Snapfinger Creek	87	8/30/17	1/17/18	NA															
1102	North Fork Peachtree Creek	43	10/5/17	2/7/18	NA															
1104	South Fork Peachtree Creek	0	2/8/18	3/28/18	NA															
1105	Indian Creek	0	3/8/18	3/21/18	NA															
1106	Polebridge Creek	0	3/22/18	5/24/18	NA															
1107	Peavine Creek	0	3/29/18	4/20/18	NA															
1123	TISCIT Cleaning (Raw Data)	0	9/20/17	8/28/19	NA															
1124	Nancy Creek Sewershed_90	53	9/20/17	2/15/18	NA															
1125	Upper Snapfinger Creek_36	0	2/16/18	3/29/18	NA															
1126	North Fork Peachtree Creek_101	0	3/30/18	4/30/18	NA															
1129	South Fork Peachtree Creek_75	0	6/11/18	7/20/18	NA															
1147	Manhole Condition Assessments (Raw Data)	0	5/31/17	5/3/19	NA															
1148	Manhole Condition Assessments_344	8	5/31/17	5/3/19	NA															



**Master Schedule  
4Q17 Semi-Annual Report**

ID	Task Name	% Complete	Start	Finish	CD/CMOM Date	2017							2018				
						J	A	S	O	N	D	J	F	M	A	M	J
1149	<b>Common to PASARP &amp; OSARP Projects</b>		10/15/15	7/31/22	NA												
1150	Development of Rehab Recommendations for Design/Build		1/19/16	2/28/19	NA												
1156	Rehab Recommendations - Group 2 (Pkgs 2-5)	100	10/26/16	10/31/17	NA												
1161	Rehab Recommendations - Group 3 (Pkgs 6-9)	28	11/1/17	5/31/18	NA												
1188	Design/Build Rehabilitation Projects		11/30/16	7/31/22	NA												
1189	Design/Build Rehabilitation - Package 1		11/30/16	5/20/20	NA												
1202	Board Approval of Contract	100	4/11/17	4/11/17	NA												
1203	Procurement and Contracting Issuance NTP	100	4/12/17	9/15/17	NA												
1208	Phase II Construction NTP	0	2/1/18	2/1/18	NA												
1213	Design/Build Rehabilitation - Package 2		2/10/17	6/19/20	NA												
1226	Board Approval of Contract	100	10/10/17	10/10/17	NA												
1227	Procurement and Contracting Issuance NTP	85	10/11/17	1/11/18	NA												
1237	Design/Build Rehabilitation - Package 3		2/10/17	8/6/20	NA												
1241	P&C Issue Bid Package	100	11/3/17	11/3/17	NA												
1250	Board Approval of Contract	0	3/13/18	3/13/18	NA												
1251	Procurement and Contracting Issuance NTP	0	3/14/18	4/30/18	NA												
1261	Design/Build Rehabilitation - Package 4		3/21/17	6/1/21	NA												
1265	P&C Issue Bid Package	0	2/1/18	2/1/18	NA												
1274	Board Approval of Contract	0	4/10/18	4/10/18	NA												
1275	Procurement and Contracting Issuance NTP	0	4/11/18	5/31/18	NA												
1284	Design/Build Rehabilitation - Package 5		3/21/17	6/30/21	NA												
1288	P&C Issue Bid Package	0	3/1/18	3/1/18	NA												
1297	Board Approval of Contract	0	5/8/18	5/8/18	NA												
1298	Procurement and Contracting Issuance NTP	0	5/9/18	6/29/18	NA												
1307	Design/Build Rehabilitation - Package 6		11/1/17	7/30/21	NA												
1311	P&C Issue Bid Package	0	4/2/18	4/2/18	NA												
1320	Board Approval of Contract	0	6/12/18	6/12/18	NA												
1323	Design/Build Rehabilitation - Package 7		3/1/18	8/31/21	NA												
1327	P&C Issue Bid Package	0	5/1/18	5/1/18	NA												
1339	Design/Build Rehabilitation - Package 8		3/29/18	9/28/21	NA												
1343	P&C Issue Bid Package	0	6/1/18	6/1/18	NA												
1515	OSARP Rehabilitation Projects		1/2/17	12/31/18	NA												
1516	Creek Crossings		3/15/17	12/31/18	NA												
1517	Inspections (2017 Annual Contract)	100	3/15/17	12/31/17	NA												
1522	Creek Crossings Procurement (2018 Annual Contract)		3/15/17	3/30/18	NA												
1525	P&C Issue Bid Package	100	11/6/17	11/6/17	NA												
1535	Board Approval of Contract	0	2/6/18	2/6/18	NA												
1536	Procurement and Contracting Issuance NTP	0	2/7/18	3/30/18	NA												
1544	Pump Station Assessments		1/2/17	12/31/18	NA												
1560	DWM to Issue NTP to an A/E	0	3/1/18	3/1/18	NA												
1566	CIP Rehab/Construction Projects		4/1/14	3/6/19	NA												
1611	2015 Consent Date		10/10/14	3/6/19	NA												
1612	Caladium Drive (D/B) (12/31/15)		2/13/15	3/6/19	NA												
1622	Procurement and Contracting Issuance NTP	100	9/12/17	9/15/17	NA												
2013	2017 Consent Date		1/21/16	6/30/18	NA												
2014	Hammer Mill I LS (D/B) (12/31/17)		1/21/16	1/31/18	NA												
2066	Board Approval of Contract	100	7/25/17	7/25/17	NA												
2067	Procurement and Contracting Issuance NTP	100	7/26/17	8/31/17	NA												
2070	Substantial Completion	100	12/31/17	12/31/17	NA												
2077	Royal Atlanta III LS (D/B) (12/31/17)		9/1/16	12/22/17	NA												
2127	Board Approval of Contract	100	7/25/17	7/25/17	NA												
2128	Procurement and Contracting Issuance NTP	100	7/26/17	8/15/17	NA												
2131	Substantial Completion	100	12/15/17	12/15/17	NA												
2138	Johnson Creek LS (D/B) (12/31/17)		4/14/16	6/30/18	NA												
2158	Substantial Completion	100	12/29/17	12/29/17	NA												
2165	Hearn Road LS (D/B) (12/31/17)		2/25/16	5/10/18	NA												



ID	Task Name	% Complete	Start Date	Finish Date	CD/CMOM Date	2017							2018						
						J	A	S	O	N	D	J	F	M	A	M	J		
2907	<b>Lift Stations, Force Mains, and Appurtenances Maintenance Program Enhancements [LS Enhancements]</b>		10/15/14	12/31/17	NA														
2908	Review and Revise Maintenance Procedures (lift stations and force mains). [LS Enhancements]		3/2/15	12/1/17	NA														
2913	Review and Revise Maintenance Procedures 2017 Completion	100	12/1/17	12/1/17	12/31/17														
2914	<b>Evaluation of Bypass Connections Needs [LS Enhancements 2]</b>		3/2/15	12/31/17	NA														
2921	Evaluation of Bypass Connections Needs 2017 Completion	100	12/31/17	12/31/17	12/31/17														
2922	Implement bypass pumping prioritization plan 2018	100	12/31/17	12/31/17	NA														
2930	<b>Force Main Performance Testing. [LS Enhancements 4]</b>		11/3/14	12/31/17	NA														
2939	Force Main Performance Testing 2017 Completion	100	12/31/17	12/31/17	12/31/17														
2940	<b>Develop Electrical Ground Testing Procedure. [LS Enhancements 5]</b>		12/20/15	12/31/17	NA														
2943	Apply Electrical Ground Testing Procedure 2017	100	1/2/17	12/31/17	12/31/17														
2955	<b>Gravity System Maintenance Program Enhancements [Grav Enhancements]</b>		4/7/14	12/31/17	NA														
2956	Review and Revise Maintenance Procedures (gravity mains) [Grav Enhancements 1]		5/18/15	12/1/17	NA														
2960	Review and Revise Maintenance Procedures (gravity mains) 2017 Completion	100	12/1/17	12/1/17	12/31/17														
2961	<b>Assess the Condition of Assets [Grav Enhancements 2]</b>		6/1/15	12/29/17	NA														
2968	Assess the Condition of Assets 2017 Completion	100	12/29/17	12/29/17	12/31/17														
2969	<b>Establish Overall Target [Grav Enhancements 3]</b>		7/3/15	12/29/17	NA														
2975	System Cleaning 2017 Completion	100	12/29/17	12/29/17	12/31/17														
2976	<b>Input Repair and Maintenance Data [Grav Enhancements 4]</b>		4/7/14	12/29/17	NA														
2984	Input Repair and Maintenance Data 2017 Completion	100	12/29/17	12/29/17	12/31/17														
2985	<b>Establish Priorities and Schedule for Easement Inspections &amp; Clearing [Grav Enhancements]</b>		11/7/14	12/31/17	NA														
2995	Establish Priorities and Schedule for Easement Inspections & Clearing 2017 Complete	100	12/31/17	12/31/17	12/31/17														
3496																			
3498	<b>Grouped by Work Breakdown Structure (WBS) :</b>																		
3499	<b>Task</b>																		
3500	<b>Subtask</b>																		
3501	<b>Group</b>																		
3502	<b>Package or Subgroup</b>																		
3503	<b>Subpackage</b>																		
3504	<b>Service</b>																		
3505																			
3507	<b>Acronyms :</b>																		
3508	BOC - Board of Commissioners																		
3509	CCTV - Closed-circuit Television																		
3510	CD - Consent Decree																		
3511	CERP - Contingency and Emergency Response Plan																		
3512	CIP - Capital Improvement Program																		
3514	CMOM - Capacity, Management, Operations, and Maintenance																		
3516	C&TS - Collection & Transmission Systems																		
3519	DWM - Department of Watershed Management																		
3520	EPA - US Environmental Protection Agency																		
3521	FOG - Fats, Oils & Grease																		
3524	LS - Lift Station																		
3525	MCA - Manhole Condition Assessment																		
3526	MH - Manhole																		
3527	MMS - Maintenance Management System																		
3529	NTP - Notice to Proceed																		
3530	OSARP - Ongoing Sewer Assessment and Rehabilitation Program																		
3531	PASARP - Priority Area Sewer Assessment and Rehabilitation Program																		
3532	P&C - Purchasing & Contracting																		
3533	SSO - Sanitary Sewer Overflow																		
3534	TISOT - Totally Integrated Sonar and Camera Inspection Technology																		
3535	WO - Work Order																		