
Semi-Annual Report #7

January 1, 2015 to June 30, 2015
Civil Action No. 1:10cv4039 - WSD

DeKalb County Department of Watershed Management



JULY 30, 2015

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Acronyms

AWWTF	Advanced Wastewater Treatment Facility
BI	Business Intelligence
BMP	Best Management Practice
CCTV	Closed Circuit Television
CDPMT	Consent Decree Program Management Team
CEO	Chief Executive Officer
CERP	Contingency and Emergency Response Plan
CIP	Capital Improvement Program
CMOM	Capacity, Management, Operations, and Maintenance
County	DeKalb County
DCTV	DeKalb County Television
DWM	Department of Watershed Management (DeKalb County)
FOG	Fats, Oils, and Grease
FSE	Food Service Establishments
GAEPD	Georgia Environmental Protection Division
GIS	Geographic Information System
GPS	Global Positioning System
ITB	Invitation to Bid
KPI	Key Performance Indicator
LF	Linear Feet
MMS	Maintenance Management System
O&M	Operation and Maintenance
ONE DeKalb	Office of Neighborhood Empowerment DeKalb County
OSARP	Ongoing Sewer Assessment and Rehabilitation Program
PASARP	Priority Areas Sewer Assessment and Rehabilitation Program
PTT	Push-to-Talk
QA/QC	Quality Assurance and Quality Control
RD I/I	Rainfall-Derived Infiltration and Inflow
SDE	Spatial Database Engine
SEP	Supplemental Environmental Project
SSO	Sanitary Sewer Overflow
SSOAP	USEPA Sanitary Sewer Overflow Analysis and Planning Tool
USEPA	U.S. Environmental Protection Agency
WAM	Work and Asset Management

Introduction

The DeKalb County (the “County”) Department of Watershed Management (DWM) submits this seventh Semi-Annual Report in accordance with Section IX, Paragraph 57 of the Consent Decree (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.”

Executive Summary

In overview, DWM developed, documented, and submitted the following Consent Decree deliverables for review, comment, and approval to the U.S. Environmental Protection Agency (USEPA)/Georgia Environmental Protection Division (GAEPD) during the first half of 2015 as follows:

1/15/2015	October – December 2014 Quarterly Report
1/30/2015	6 th Semi-Annual Report
3/02/2015	3 rd Annual Report
4/20/2015	January – March 2015 Quarterly Report

DWM received approval for the following revised CMOM Programs on March 27, 2015:

Sanitary Sewer Overflow Contingency and Emergency Response Plan (CERP);
Hydraulic Model;
Sewer Mapping;
Infrastructure Acquisitions; and
Flow and Rainfall Monitoring.

Between July 1, 2015 to December 31, 2015 the County will submit to USEPA/GAEPD the following:

7/22/2015	April – June 2015 Quarterly Report
7/30/2015	7 th Semi-Annual Report; revised Maintenance Management System (MMS); revised Ongoing Sewer Assessment and Rehabilitation Program (OSARP); and revised Priority Areas Sewer Assessment and Rehabilitation Program (PASARP).
10/31/2015	July – September Quarterly Report

Exceptions explanations for missed or revised deadlines are included where appropriate.

Capacity, Management, Operations and Maintenance (CMOM) Programs Update

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2015 to 6/30/2015

- i) Responded to and investigated 43 spills, 13 building backups, and 25 overflows.
- ii) Average response time from call to stopping spill was 2.29 hours for this reporting period.
- iii) Continued and added engineering studies and system improvement projects as a result of investigations.
- iv) Updated and reviewed the CERP with the following changes:
 - (1) Confirmed that programs are up-to-date with current practices and activities (conducted by the DWM Assistant Director of Operations along with relevant DWM personnel and CDPMT);
 - (2) Updated Appendix B: Updated the Notification Contact List;
 - (3) Updated Appendix D: Spill Report Instructions and Form - Edited Building Back-up Report;
 - (4) Added Public Education section;
 - (5) Added CD Administrator Duties; and
 - (6) Adjusted CMOM Coordinator duties.
- v) Developed a Medical Waste Brochure to use in education efforts for medical, dental, retirement and veterinary facilities.
- vi) Conducted annual CERP training for 55 field staff to review current program and updates to the document.
- vii) Added third contractor to cleaning effort.
- viii) Attended various training events and coordination activities by other agencies and groups:
 - (1) Continuity of Operations Plan Development;
 - (2) Decontamination event sponsored by EPA/FEMA/DEMA related to sewer systems
 - (3) ISO (fire insurance) system review meetings; and
 - (4) All hazard mitigation plan update meeting.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2015 to 12/31/2015

- i) Properly respond to and investigate spills, building backups, and overflows.
- ii) Continue to review data and integrate the CDPMT into the process.
- iii) Conduct next round of CERP training for field staff.
- iv) Update and edit CERP based on response reviews for improvement.

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2015 to 6/30/2015

- i) Worked on updates for the County's permitting software program ("Hansen") to include the FOG reviews, inspections, and fees as part of the City reviews.
- ii) Coordinated meetings with the larger incorporated City authorities. FOG Program Manager met with Development Directors and City authorities from Decatur, Dunwoody, Chamblee, and Brookhaven. The purpose of these meetings was to update the cities about the FOG permitting process requirements. Discussion topics included plan review and inspection requirements for any new FSE, FSE remodeling, and change of ownership/moving in as is. As a result of the meetings, these cities will require the FOG review and inspection approval prior to issuing a Certification of Occupancy to the business owner.
- iii) FOG Program Manager met with the Executive Director of Facility Management for DeKalb County School District and his Directors to plan the substitutions of old grease traps in DeKalb County Schools for new grease interceptors as required to manage the wastewater produced by the schools. Plan review process and projected days of new grease trap installations according to DeKalb County School District office was discussed.
- iv) Reviewed 2,969 pump-out manifests as part of the Hauler Company Assessment program.
- v) Delivered 413 Warning Notices and 5 Court Summons to non-compliant FSE customers.
- vi) The County achieved and exceeded the established performance measures:
 - 1) Total number of FOG inspections = 3654
 - 2) Total number of FOG evaluations = 658
 - 3) Average inspections per day = 5.35
 - 4) Average permitted active FSEs = 2,494
- vii) Mailed 1,358 Best Management Practices (BMPs) brochures to FSEs with renewed FOG permits under the Public Education Program.
- viii) Continued to engage with other organizations that have similar water quality messages as part of the Public Education Program (for example, Metropolitan North Georgia Water Planning District).
- ix) FOG permit renewal payment incorporated into CPak in March 2015. The first set of invoices were sent through CPak in March 2015 and since then, the majority of FOG permit renewal payments have been collected by the County Finance Department.
- x) Communicated with County customers on a consistent basis as follows:
 - 1) Education materials distributed at multi-family apartment complexes and residential neighborhoods that have been identified to be located near sewer spills.
 - 2) Community and School events participation.
 - 3) Homeowners Association and other group meetings.
 - 4) Utilizing the Office of Neighborhood Empowerment (ONE DeKalb) office.

- 5) DCTV (DeKalb County Television - Comcast Channel 23).
- 6) Billing inserts distributed with FOG BMP information.
- xi) Coordinated meeting between the Atlanta Apartment Owners Association and a representative of GreenHood Industries (5/6/15) regarding the Pilot Program.
- xii) Performed an introductory meeting with Waste Management (6/25/15) regarding multi-family grease collection with the Pilot Program.
- xiii) Created a FOG educational brochure for medical facilities to minimize FOG discharges, highlighting the BMPs for proper disposal of medical waste.
- xiv) Ongoing statistically relevant surveys to gauge the effectiveness of messaging and public participation. Survey results based on 75 respondents through end of July 2015:
 - 97 percent of respondents that took the survey recognized the term FOG and its acronym definition.
 - More than 97 percent of respondents understand the BMPs related to disposal of cooking oil and 85 percent of respondents are currently performing this BMP.
 - 94 percent of respondents were aware of sewer spills induced by FOG.
 - 67 percent of respondents said they adopted BMPs to dispose of their cooking oil after learning about FOG.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2015 to 12/31/2015

- i) Test and finalize “Hansen” updates to include the FOG reviews, inspections, and fees for City review to optimize the City Permitting Process.
- ii) Continue improving the FOG permitting process by coordinating meetings with the larger incorporated city authorities. Maintain communication with contacted cities to ensure continuation of the agreements.
- iii) Continue meeting with the school authorities to plan and review the school’s grease traps updates.
- iv) Continue to distribute educational materials at multi-family apartment complexes and residential neighborhoods that have been identified to be located near sewer spills.
- v) Participate in community and school events.
- vi) Attend Homeowners Association and other group meetings.
- vii) Distribute medical waste brochures as needed to medical facilities identified in high spill areas where medical waste is the cause.
- viii) Continue communicating with all 700,000 County residents and customers on a consistent basis as part of the Public Education Program.
- ix) Continue internet statistical surveys to gauge the effectiveness of public messaging and its impacts on public participation as related to FOG education.
- x) Continue to work to identify a new vendor for the FOG Pilot program to successfully re-launch the program.

- xi) Place FOG advertisements in four local newspapers from October through December: *The Champion*, *CrossRoads News*, *On Common Ground*, and *Mundo Hispanico*.

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2015 to 6/30/2015

- i) Received and reviewed contractor deliverables for sewersheds previously mapped (or surveyed) that had experienced recent growth after the original surveys were conducted. These assets were appended to the central geographic information system (GIS) database spatial database engine (SDE) with updated locations and attribution.
- ii) The County issued a purchase order for a contractor to load assets from GIS into Oracle Work and Asset Management (WAM). Work began in June with configuration completed and initial test loads successfully started.
- iii) Continued data updates and regular maintenance of GIS assets and attribution to keep GIS information current.
- iv) Continued regular maintenance of GIS SDE databases for connectivity with InfoMaster™, InfoWorks®CS, and Oracle WAM.
- v) Facilitated field verification for specific priority areas identified by the Hydraulic Modeling task and began review on contractor deliverables upon receipt. Accepted deliverables have been passed on to engineers performing the modeling task, as well as updated in SDE.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2015 to 12/31/2015

- i) Finish the loading of assets in Oracle WAM production database.
- ii) Create and test method of linking assets between Oracle WAM and GIS.
- iii) Continue to maintain existing SDE assets as well as update the SDE with new assets throughout the lifecycle of Consent Decree. This includes updated assets per request from other tasks, such as PASARP and Hydraulic Modeling.
- iv) Continue to assist other tasks such as Hydraulic Modeling and PASARP with field verification requests and quality control of asset data.
- v) Continue regular maintenance of GIS SDE databases for connectivity with other software programs.

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2015 to 6/30/2015

- i) Continued evaluation and selection of business intelligence (BI) software. Reviewed the latest Gartner Group Magic Quadrant that summarizes BI solution providers. Selected one of the BI leaders and facilitated a demonstration on June 22 with representatives from DWM, IT, and the CDPMT.
- ii) Began work to improve the accuracy of addresses used for address-based work. Identified the primary source of record for addresses and some action items that will help improve address quality.

- iii) Began the process to procure professional services for implementation of the Oracle WAM work order module for gravity system maintenance work. An initial scope of work was developed.
- iv) Completed review of the procedures for gravity system maintenance. No revisions or updates were identified.
- v) Coordinated data management efforts related to assessment of the condition of gravity system assets in coordination with the PASARP and the OSARP. Installed an asset condition scoring tool on the network. This will allow the PASARP and OSARP teams to use this information to establish maintenance prioritization scores and the overall target for activities and frequencies of preventive maintenance.
- vi) Continued inputting maintenance and repair data into Oracle WAM in the form of service requests.
- vii) Kickoff the work of a consultant to perform initial field inspections of creek crossings. Later, DWM can use these inspections to refine the prioritized schedule for creek crossings as part of an overall creek crossing inspection program.
- viii) Completed review and revision of the procedures for lift station maintenance. Additional procedures for lift station maintenance were developed as needed.
- ix) Evaluated the status of the implementation of lift station bypass connections and completed a bypass connection prioritization plan for construction of bypass connections at those lift stations not currently so equipped and needing such a connection to conduct a bypass operation.
- x) Completed the development of a protocol for performing force main performance testing at lift stations equipped with pressure logger and flow meter.
- xi) Completed development of an electrical grounding test procedure for lift stations.
- xii) Facilitated a key performance indicator (KPI) workshop involving stakeholders from DWM responsible for Communication Systems, Information Systems, Inventory Management, Gravity Maintenance, and Lift Station Maintenance. Prepared a KPI technical memorandum that recommended improvements for data collection and KPI calculation.
- xiii) Refer to Appendix A for status of the MMS Lift Station projects. No new missed milestones on these projects for this period.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2015 to 12/31/2015

- i) Finish evaluation, selection and begin procurement of BI software to include the general requirements of the desired BI system.
- ii) Continue work to improve the accuracy of addresses used for address-based work, now scheduled to be completed by the end of 2016. DWM has already identified that addresses currently in Oracle WAM may not always be correct. DWM will begin performing QA/QC of addresses in Oracle WAM. The results of this QA/QC effort will help DWM plan and execute the next steps to complete this enhancement by the end of 2016.

- iii) Continue the process to procure professional services for implementation of the Oracle WAM work order module for gravity system maintenance work. The goal is to have a contractor selected in early 2016.
- iv) Initiate efforts to improve the efficiency of the spare parts re-order process. This is an MMS enhancement scheduled to begin in 2015. DWM identified some inefficiency in the current re-order process, and wish to improve this process.
- v) Begin review of data acquired from initial field inspections of creek crossings.
- vi) Begin the procurement of a root control contract.
- vii) Expand system cleaning program to reduce SSOs.

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2015 to 6/30/2015

- i) Developed a scope of work for implementation of a comprehensive CMOM Training Program through analysis of data integrity, leveraging of the existing data in Compliance Suite software, and leveraging reporting software to document current training accomplishments. Scope also includes options for Knowledge Retention staffing or vendor supplied support.
- ii) Completed 2,442 hours of training.
- iii) Exceptions Explanation – DWM is not currently generating quarterly reports for management and trainers from the Compliance Suite that provides the status of training for each employee, including training refresher due dates. DWM is in the process of hiring the knowledge retention officer to address this gap; however, ongoing training is still being provided as noted above.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2015 to 12/31/2015

- i) Initiate procurement process to secure vendor to develop the program implementation.
- ii) Continue training of County staff in various areas.
- iii) Develop field equipment training program with vendor supplied course work.

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2015 to 6/30/2015

- i) The System-Wide Flow and Rainfall Monitoring Program is functional and provided information needed for modeling and other program needs as provided in the submitted program documents.
- ii) Updated CMOM document to include a shortened flow monitoring period to capture selected storm events during the first half of the year to expedite modeling activities. Refer to the CMOM System-Wide Hydraulic Model Program for additional discussion.

- iii) Collected, compiled, and performed quality assurance/quality control (QA/QC) review of January through June flow meter and rain gauge data, site assessment and testing report, site inspection reports, and other required documentations.
- iv) Updated the flow meter basin delineation and flow meter relational schematic diagrams based on additional sewer mapping data and the flow meter installed in 2014. Checked flow balance among flow meter basins.
- v) Substantially equipped flow monitor and rain gauge sites with wireless connections.
- vi) Observed the hydrographs and scatter graphs periodically on flow meter and rain gauge data. Anomalies found were investigated further.
- vii) Established the preliminary correlation between rain gauges and flow meters for future rainfall-derived infiltration and inflow (RD I/I) study and peaking factor determination.
- viii) Worked on consolidating data storage and backup solutions for existing and 2014-installed flow meter and rain gauge equipment.
- ix) Performed regular flow meter data download and backup on DWM's server.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2015 to 12/31/2015

- i) Finalize compilation of flow meter and rain gauge installation documentation.

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2015 to 6/30/2015

- i) Continued data collection required for building the basin-wide models including:
 - 1) Remaining sewer connectivity mapping data for five sewersheds in Pole Bridge Basin and one (Northfork Peachtree Creek Sewershed) in the Inter-Governmental Basin
 - 2) Select lift station and force main information
 - 3) Treatment plants flow and operation data
- ii) Started building the basin-wide hydraulic models using available Sewer Mapping Data:
 - 1) Pole Bridge Basin Model:
 - (a) Completed model network construction including integration of the updated existing Pole Bridge Sewershed model.
 - (b) Identified missing GIS data for field investigation. Created field maps and coordinated with sewer mapping program.
 - (c) Finished loading Dry Weather Flow into the model using 2013 to 2014 flow data analysis results.
 - 2) Snapfinger Basin Model:
 - (a) Completed model network construction including integration of the updated existing Cobb Fowler Creek and Shoal Creek Sewershed models.

- (b) Identified missing GIS data for field investigation. Created field maps and coordinated with sewer mapping program.
 - (c) Started loading Dry Weather Flow into the model using 2013 to 2014 flow data analysis results.
- 3) Inter-Governmental Basin Model:
- (a) Completed model network construction for South Fork Peachtree Creek, Peavine Creek, and Nancy Creek Sewersheds.
 - (b) Started model network construction for North Fork Peachtree Creek, and the remaining five small sewersheds.
 - (c) Identified missing GIS data for field investigation within South Fork Peachtree Creek, Peavine Creek, Nancy Creek Sewersheds. Created field maps and coordinated with sewer mapping program.
 - (d) Started flow data analysis for the dry weather flow loading based on the first 6 months of flow monitoring data collected in 2015.
- iii) Continued to update and refine the modeling protocols used to build and calibrate the basin-wide hydraulic model, including:
- 1) Updated base sanitary flow distribution approach based on the geocoded water billing data
 - 2) Updated model data flags to document data resources
- iv) Conducted pilot study of peaking flow methodology with the existing Cobb Fowler Creek and Shoal Creek Sewershed models:
- 1) Presented the detail approaches and assumptions to DWM in a June 18th workshop
 - 2) Identified potential capacity limited sewer segments per the proposed system performance criteria
- a) Projects and Activities Anticipated for the Reporting Period 7/1/2015 to 12/31/2015**
- i) Finish RD I/I analysis for each flow monitor.
 - ii) Finish loading Dry Weather Flow for Snapfinger Basin model and model development QA/QC.
 - iii) Finish constructing the model network for the nine sewersheds in Inter-Governmental basin model.
 - iv) Finish flow data analysis to meet the dry weather flow loading needs for the Inter-Governmental basin model.
 - v) Finish loading Dry Weather Flow to the Inter-Governmental basin model and model development QA/QC.
 - vi) Perform Dry Weather Flow calibration with the basin-wide models for Snapfinger, Pole Bridge, and Inter-Governmental basins.

- vii) Set up peaking flow simulation with the dry weather flow calibrated basin-wide models and perform capacity assessment.

8. Financial Analysis Program (CD VI.B.viii)

a) Projects and Activities Accomplished for the Reporting Period 1/1/2015 to 6/30/2015

- i) Completed the assignment of personnel to their appropriate cost centers. The cost center changes and upload to People Soft Payroll System is scheduled to occur in the second half of the fiscal year.
- ii) Completed the assignment of vehicles and equipment to the appropriate cost centers. The cost center changes and upload of vehicle and equipment to “FASTER” software system is scheduled to occur in the second half of the fiscal year and also to coincide with the payroll transfer.
- iii) Developed a baseline report in Excel that separates the drinking water and wastewater budgets.
- iv) Began review of a draft to establish procedures and conduct training to minimize the improper classification of personnel and equipment to the appropriate cost centers.
- v) Came in on target for revenues and expenses for the first half of the fiscal year. First quarter revenues were at 25 percent of budget. First quarter operating expenses were at 21 percent. Second quarter results are not available for this report.
- vi) Pending the automated implementation and integration of the systems to track preventive, corrective and emergency maintenance costs, DWM will continue to use an alternative methodology to approximate these costs. The following chart provides cost estimates through the 1st quarter of 2015. Second quarter results are not available for this report.

Construction and Maintenance 2015	
Cost Category	Q1
<i>Corrective</i>	\$138,014
<i>Preventive</i>	\$154,808
<i>Emergency</i>	<u>\$2,095,586</u>
Report Total	\$2,388,408

- vii) The water and wastewater rate sufficiency study was begun and completed on time and based on the initial results was expanded to include additional analysis.

An interactive presentation of the study was presented to County’s senior management and staff for feedback and comments on May 15, 2015. Following the presentation, additional requests were made and consist of the following:

- 1) A proposed consultant contract amendment was requested to analyze the expectations of prior rate material.

- 2) The consultants conducting the study requested final 2014 audited financial statement to be used as the baseline financial data. The 2014 Comprehensive Annual Financial Report (CAFR) was issued on June 30th 2015
- 3) A revised CIP cash flow projection was requested based on the feedback comments from the presentation.

Given these additional requests and changes, the Revenue Sufficiency and Rate Review Study submission to the Board of Commissioners for review and approval, if necessary, is expected to occur by the end of first quarter of 2016, and will inform the future budget development process.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2015 to 12/31/2015

- i) Continue work on the enhanced Revenue Sufficiency and Rate Review.
- ii) Validate and monitor the reporting changes for separating the drinking water and wastewater budgets.
- iii) Continue to monitor and report on the Department's overall operating financial performance.
- iv) Continue to collaborate with the team to automate the tracking of maintenance cost as corrective, preventive, and emergency. Until fully implemented, continue to use the alternative methodology to approximate costs for the following categories:

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2015 to 6/30/2015

- i) Evaluated and acquired 22,301 feet of sewer pipe under the new Infrastructure Acquisition program.
- ii) No lift stations acquired this period/No private lift station retrofit review conducted.
- iii) Sketch Plat reviews: 18
- iv) City Land Disturbance Permit Reviews: 44
- v) Unincorporated Land Disturbance Permit Reviews: 78
- vi) Peer Reviews: 10
- vii) City Reviews: 368
- viii) Final Plat Reviews: 34
- ix) Submitted a revised Infrastructure Acquisition Program in early 2015 (currently awaiting approval).

b) Projects and Activities Anticipated for the Reporting Period 7/1/2015 to 12/31/2015

- 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 all applicants/citizens requesting assistance.
- v) Review lift-station acquisitions, as required.

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

a) Projects and Activities Accomplished for the Reporting Period 1/1/2015 to 6/30/2015

- i) Continued to implement, track, and verify status of ongoing PASARP assessment and rehabilitation projects.
 - 1) The Project Status Table (in Attachment A) outlines status on the defined assessment projects, rehabilitation design and construction projects.
 - 2) The following summarizes approximate completed investigative sewer cleaning and assessments related to PASARP implementation during the reporting period:
 - (a) 413,724 LF of closed circuit television (CCTV)
 - (b) 109 manhole condition assessments followed by manhole lining and/or other rehabilitation
 - (c) 398,935 LF of cleaning sewer main
 - (d) 109 pipe point repairs
- ii) A refined program approach and contracting strategy has been implemented around expediting restoration of system capacity through cleaning and SSO event investigation required to identify and mitigate severe structural and maintenance defects.
- iii) Began development of program rehabilitation decision logic tools incorporating customized approach for risk based prioritization.
- iv) Finalized technical specifications and initiated procurement process of the following PASARP assessment and rehabilitation contracts (current procurement status provided):
 - 1) PASARP Assessment Contracts, Sewer Group 1, 2, and 3: Invitation to Bid has been advertised.
 - 2) PASARP/OSARP General Area Manhole Assessment Contract: Board of Commissioners have approved for award.*
 - 3) PASARP/OSARP General Area CCTV Contract: Contract has been awarded.*
 - 4) PASARP/OSARP Major Gravity Sewer Line Capacity Restoration: Invitation to Bid is in pre-procurement phase with Purchasing and Contracting.
 - *These contracts are primarily OSARP area focused but overlap in PASARP areas when addressing a spill site.
- v) Continued execution of project communications and community outreach for ongoing projects.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2015 to 12/31/2015

- i) Continue to implement, track, and verify status of ongoing PASARP assessment and rehabilitation projects:
 - 1) The Project Status Table (in Attachment A) outlines status related to planned activity on the defined assessment projects, rehabilitation design and construction projects.
- i) Continue and complete procurement process of the following PASARP assessment and rehabilitation contract documents (current procurement status provided):
 - 1) PASARP Assessment Contracts, Sewer Group 1, 2, and 3: Invitation to Bid has been advertised and bids to open in July 2015.
 - 2) PASARP/OSARP General Area Manhole Assessment Contract: Board of Commissioners have approved for award.
 - 3) PASARP/OSARP General Area CCTV Contract: Contract has been awarded.
 - 4) PASARP/OSARP Major Gravity Sewer Line Capacity Restoration: Invitation to Bid is in pre-procurement phase with Purchasing and Contracting.
- iii) Begin planned program-driven assessment and rehabilitation activities as contracts are awarded and assignments generated.
- iv) Complete development of program rehabilitation decision logic tools incorporating customized approach for risk based prioritization.
- vi) Issue RFP for design and construction management services to respond to the structural defects recommended for corrective action.

11. Ongoing Sewer Assessment and Rehabilitation Program (CD VI.B.x)

a) Projects and Activities Accomplished for the Reporting Period 1/1/2015 to 6/30/2015

- i) Continued to implement, track and verify status of ongoing OSARP assessment and rehabilitation projects related to SSOs, customer service calls, and preventive maintenance:
 - 1) The Project Status Table (in Attachment A) outlines status on the defined assessment projects, rehabilitation design and construction projects.
 - 2) The following summarizes approximate completed investigative sewer cleaning and assessments related to OSARP implementation during the reporting period:
 - a. 156,544 LF of CCTV
 - b. 137 manhole condition assessments followed by manhole lining and/or other rehabilitation
 - c. 523,520 LF of cleaning sewer main
 - d. 137 pipe point repairs
- i) Finalized technical specifications and initiated procurement process of the following OSARP assessment and rehabilitation contracts (current procurement status provided):
 - 1) PASARP/OSARP General Area Manhole Assessment Contract: Board of Commissioners have approved for award.
 - 2) PASARP/OSARP General Area CCTV Contract: Contract has been awarded.

- 3) PASARP/OSARP Major Gravity Sewer Line Capacity Restoration: Invitation to Bid is in pre-procurement phase with Purchasing and Contracting.
- i) Continued integration of assessment data management tools with supporting MMS and GIS platforms.
- ii) Continued reviewing and editing master technical specifications for sanitary sewer and assessment and rehabilitation-related project contracts.
- iii) Commenced development of task-order driven rehabilitation contract documents. Initiate procurement of contract.

b) Projects and Activities Anticipated for the Reporting Period 7/1/2015 to 12/31/2015

- i) Continue to implement, track and verify status of ongoing OSARP assessment and rehabilitation projects:
 - 1) The Project Status Table (in Attachment A) outlines status related to planned activity on the defined assessment projects, rehabilitation design and construction projects.
- ii) Continue and complete procurement process of the following PASARP assessment and rehabilitation contract documents (current procurement status provided):
 - 1) PASARP/OSARP General Area Manhole Assessment Contract: Board of Commissioners have approved for award.
 - 2) PASARP/OSARP General Area CCTV Contract: Contract has been awarded.
 - 3) PASARP/OSARP Major Gravity Sewer Line Capacity Restoration: Invitation to Bid is in pre-procurement phase with Purchasing and Contracting.
- iii) Commence SSO-driven assessment and rehabilitation activities as contracts are awarded and assignments generated.
- iv) Continue development of task-order driven rehabilitation contract documents. Initiate procurement of contract.
- v) Issue RFP for design and construction management services to respond to the structural defects recommended for corrective action

Supplemental Environmental Project (SEP) (CD VIII.) Update

a) Projects and Activities Accomplished for the Reporting Period 1/1/2015 to 6/30/2015

- i) USEPA/GAEPD approved SEP Completion Report on February 3, 2015, thereby concluding all activities relating to the SEP.

Attachment A

Project Status Table and Sample Gantt Chart

Project Status Table

Item No.	CMOM Program Document	Description	Priority Area(s)	Status	Notes
1	PASARP/OSARP	SSES Northfork Peachtree Creek Basin	A-IG5, I-IG6, I-IG10, I-IG11, I-IG14	COMPLETE	Completed in this period
2	PASARP	Lower Crooked Creek Lift Station Improvements	A-PB4	COMPLETE	Previously completed
3	PASARP/OSARP	Manhole Rehabilitation Services (Lining)	A-IG3, I-IG17, A-PB1, A-PB2, A-PB6, A-SF2, A-SF7, A-SF10	Construction	Manhole rehabilitation currently ongoing
4	PASARP/OSARP	South Fork Peachtree Creek Sanitary Sewer Replacement	I-IG17, A-IG6, A-IG7	COMPLETE	Design Study only
5	PASARP	BAR 5 Ranking Area CCTV	A-SF2	COMPLETE	Assessment Completed in this period
6	PASARP	TNANCY 5 Ranking Area CCTV	A-IG4	COMPLETE	Assessment Completed in this period
7	PASARP	Johnson Ferry CCTV & Cleaning	A-IG3	COMPLETE	Previously completed
8	PASARP	Frazier Road CCTV & Cleaning	I-IG13	COMPLETE	Previously completed
9	PASARP/MMS	Columbia Drive Lift Station Rehabilitation	I-SF2	Design	Construction award pending
10	PASARP/MMS	Fairington Lift Station Rehabilitation	A-PB6	Construction	Easement acquisition pending signature
11	PASARP	I-85/Oakcliff Road Sanitary Sewer Improvements	I-IG5	Design	Design complete. Easement acquisition process ongoing.

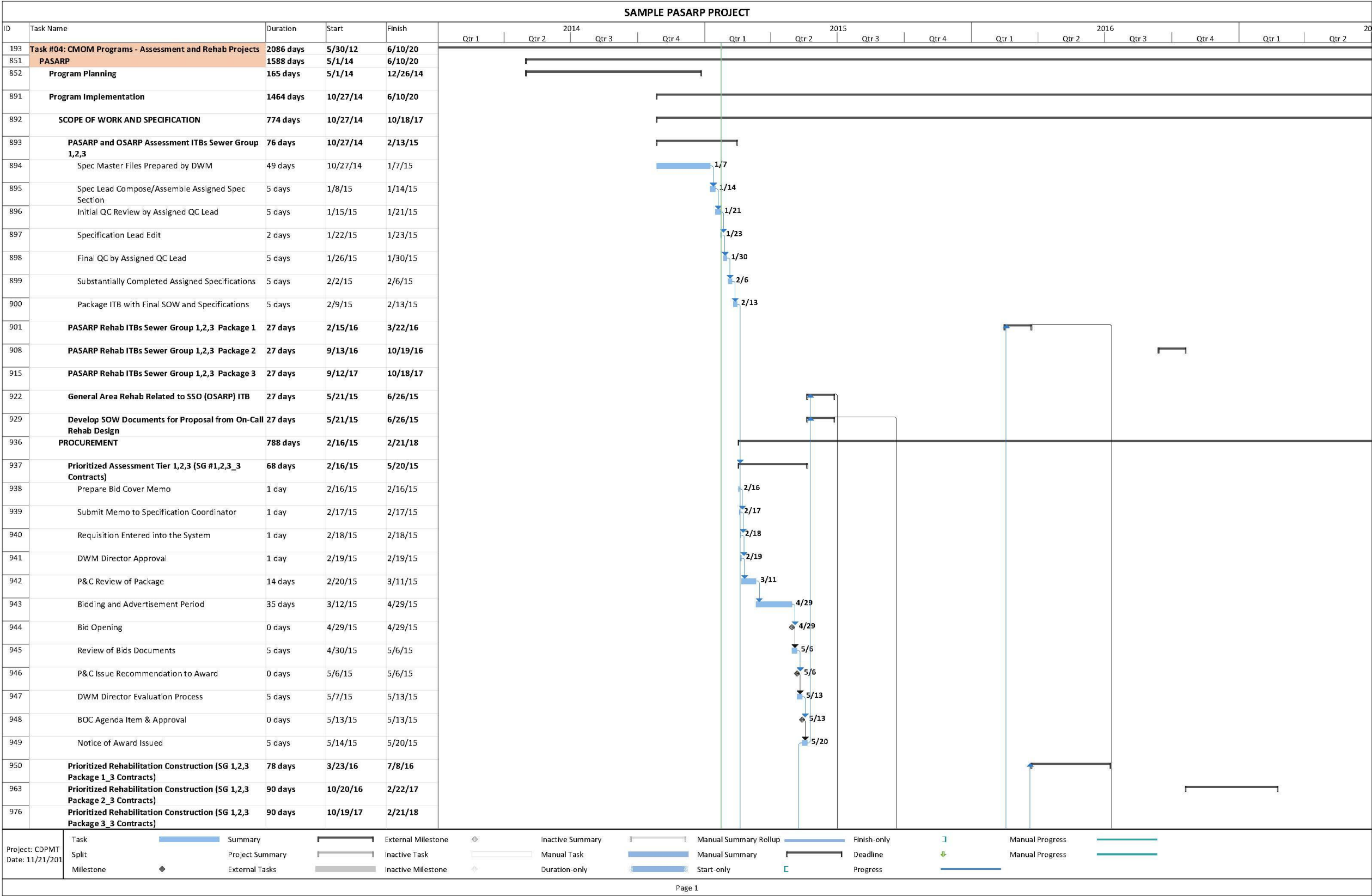
Project Status Table

Item No.	CMOM Program Document	Description	Priority Area(s)	Status	Notes
12	PASARP/MMS	Lithonia 2 Lift Stations (Lithonia I and II) (associated w/ Stonecrest Sanitary Sewer/Lift Station)	A-PB4	Design update needed to address complex sequencing	The construction duration is expected to be two years. Milestone in compliance with Addendum to Annual Report No. 2.
13	PASARP/MMS	Johnson Creek Lift Station	A-PB3	Future	
14	PASARP	Stonecrest Sanitary Sewer and Force Main Replacement (associated with Lithonia 2)	A-PB4	Construction	
15	OSARP	Buford Highway CCTV & Cleaning		COMPLETE	Previously completed
16	OSARP	Holly Lane CCTV & Cleaning		COMPLETE	Previously completed
17	OSARP	TAZTEC 3 Ranking Area CCTV		COMPLETE	Previously completed
18	OSARP	BAR 6 Ranking Area CCTV		COMPLETE	Previously completed
19	OSARP	Superior Avenue Phase 2		Construction	Milestone previously missed - Bid opening held in 2014; Board approval completed. Awaiting contract award.
20	OSARP/MMS	Scarborough Lift Station – rehabilitation and update.		Construction award	Milestone previously missed - Bids received and under review for submission to Board.
21	OSARP/MMS	Pepperwood Lift Station		Construction	Milestone previously missed - Currently under construction.
22	OSARP/MMS	Hammer Mill 1 Lift Station		Design and construction	Milestone previously missed – In Design.
23	OSARP/MMS	Hammer Mill 3 Lift Station		Procurement	Milestone previously missed – In Procurement.

Project Status Table

Item No.	CMOM Program Document	Description	Priority Area(s)	Status	Notes
24	OSARP/MMS	Royal Atlanta 1 Lift Station – rehabilitate and upgrade.		Construction	Milestone previously missed - Construction phase underway.
25	OSARP/MMS	Camp Creek Lift Station Rehabilitation		Construction Bidding	Milestone previously missed - Design complete and construction to commence pending easement acquisition and project bidding
26	OSARP/MMS	Mountain Industrial Lift Station and Force Main		COMPLETE	Milestone partially missed – Station rehabilitated in 2012. Station is in service.
27	OSARP/MMS	Perimeter Park Lift Station		Construction	Milestone previously missed – Construction initiated
28	OSARP/MMS	Lewis Way Lift Station		Design Easement Acquisition	
29	OSARP/MMS	Stone Mill 1 Lift Station Rehab		Design Easement Acquisition	
30	OSARP/MMS	Stone Mill 2 Lift Station Rehab		Design Easement Acquisition	
31	OSARP/MMS	Penny Brook Lift Station Rehab		Design Easement Acquisition	
32	OSARP/MMS	Fourth St Lift Station Rehabilitation		Design Easement Acquisition	
33	OSARP	Heritage Heights Sewer Crossing		Design Easement Acquisition	Start design phase for gravity sewer installation.
34	OSARP/MMS	Royal Atlanta 3 Lift Station and Force Main Improvements		Design	

Sample PASARP/OSARP Gantt Chart



Sample PASARP/OSARP Gantt Chart

