
Semi-Annual Report #1

December 20, 2011 to June 30, 2012

Civil Action No. 1:10cv4039 - WSD

DeKalb County Department of Watershed Management



July 30, 2012

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Semi-Annual Report – December 20, 2011 to June 30, 2012

Introduction

In accordance with Section IX, Paragraph 57 of the Consent Decree (Civil Action 1:10cv4039-WSD), this Semi-Annual Report provides the following:

- 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

During the period covered by this report there were no missed deadlines under the CD.

Four (4) CMOM deliverables were submitted to EPA/EPD for review within this reporting period, ahead of the due dates under the CD:

- Contingency and Emergency Response Plan -- Submitted 5/18/2012 – Due date 6/20/2012
- Sewer Mapping Program -- Submitted 5/18/2012 – Due date 6/20/2012
- Financial Analysis Program -- Submitted 6/20/2012 – Due date 8/20/2012
- Infrastructure Acquisitions Program -- Submitted 6/20/2012 – Due date 8/20/2012

In anticipation of EPA/EPD approval, the County has committed significant resources to implement these programs.

Additionally, the County continues to develop CMOM and other programs required under the CD. Within the period from July 1, 2012 to December 31, 2012 the County will submit to EPA/EPD the following:

- Collection and Transmission Systems Training Program – Due date 9/20/2012
- System-Wide Flow and Rainfall Monitoring Program – Due date 12/20/2012
- System-Wide Hydraulic Model – Due date 12/20/2012
- Priority Areas Sewer Assessment and Rehabilitation Program – Due date 12/20/2012
- Supplemental Environmental Project – Stream Cleanup Plan – Due date 12/20/2012

Administrative Section

- 1/6/2012 -- Submitted CD Civil Penalty to EPA/EPD
- 2/17/2012 – Notification to employees and public officials that CD is on DWM website
- 2/17/2012 – Notification to successful bidders -- CD is online and record retention requirements
- 4/27/2012 – Submitted first quarterly report to EPA/EPD
- 6/20/2012 – Implemented the Public Document Repository, using “Sharepoint” Software

Capacity, Management, Operations and Maintenance (CMOM) Programs

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

Projects and Significant Activities Completed during Current Reporting Period

- 5/18/2012 – Submitted CERP to EPA/EPD, ahead of due date
- Conducted 5 CERP training sessions, total of 152 field employees.
- Conducted 13 bi-weekly SSO response meetings to address issues related to specific SSOs
- Initiated 8 engineering projects (sewer repair and rehabilitation) associated with specific SSOs
- Responded to and investigated 82 spills, 12 building back-ups and 26 surface spills
 - Completed 41 point repairs related to or identified upon investigation of spills
 - Inspected (CCTV) 30,331 feet of line related to spills
 - Referred 24 spills (areas) to DWM public outreach team for FOG Education
 - Referred 7 spills to GIS for map updates and corrections
 - Referred 1 spill to DWM FSE FOG group for investigation
- CMMS Work Orders -- for reporting period
 - Sewer Work Requests -- 7,083
 - CD Related Follow-ups -- 160
- Performance Measure -- Average Response time from Call to Spill Stop 1:59 hours

Anticipated Projects and Activities Next Reporting Period

- Advertise, bid and award 2 sewer cleaning contracts – total of 150 miles of sewer
- Continue CERP training of staff in other divisions
- Review, evaluate and modify, as appropriate, current process for documenting spills.
- Continue scheduled review and planning meetings
- Standardize equipment and storage on rod, CCTV, water and jet-rodder trucks

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

Projects and Significant Activities Completed During Current Reporting Period

- Performance
 - As of 6/30/2102 – 2,221 active Food Service Establishments (FSEs)
 - Jan thru Jun 2012 – Performed total of 3,715 FSE inspections
 - Performance Measures
 - 4.5 inspections per day per inspector
 - 500 inspections per month for all 8 inspectors
- FOG Program Updates
 - Feb 2012 – Completed general assessment of the FOG Program and incorporated recommendations into the program
 - Apr 2012 -- Reviewed and updated FSE inspection and evaluation protocols
 - May 2012 -- Established 8 FSE zones (by Zip Code) to distribute DeKalb County FSEs; allows inspectors to rotate through each of the eight (8) zones at four (4) month intervals
- Standard Operating Procedures (SOPs)
 - Apr 2012 – Completed SOP update for FSE inspections and evaluations
 - May 2012 -- Evaluated SOPs for new FSE construction; Developed new checklist
 - Jun 2012 – Updated SOP for non-compliance enforcement
- Jan 2012 -- Completed XC2™ (FOG database) training for 8 FOG inspectors and Admin Assistant
- Jun 2012 -- Created a process for linking the addresses and compliance status of FSEs into the DWM GIS database and mapping

Anticipated Projects and Activities Next Reporting Period

- Rotate the inspectors to a new zone every four (4) months.
- Initiate acquisition of Tablet computers with installed XC2™ FOG database software to aid in performing inspections and capturing field data
- Initiate integration of new FSE construction evaluations into the County Permitting software
- Initiate process to link the FOG Program permit renewal payments to the Water billing system
- Preventive Maintenance (FOG) -- Advertise, bid and award 2 sewer cleaning contracts – total of 150 miles of sewer (See CERP)
- Source Control (FOG) – Coordinate with Apartment Owners Association for a pilot project to collect grease at a number of apartment complexes
- Public Education (FOG) – Develop scope for a robust public education campaign, including:
 - Communicate with all 700,000 residents on quarterly basis – with mix of media
 - Consistent, clear message for grease
 - Engage with other organizations who have similar water quality messages
 - Statistically relevant surveys to gauge the effectiveness of the messaging

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

Projects and Significant Activities Completed During Current Reporting Period

- Prior to Consent Decree, the County completed mapping/inventory for 21 of the 35 sewersheds
- February 2012 – Advertised 3 sewer mapping contracts for the remaining sewersheds;
- March 2012 – Proposals received for 3 sewer mapping contracts
- 3/15/2012 -- Submitted Sewer Mapping Program to EPA/EPD, ahead of due date

Anticipated Projects and Activities Next Reporting Period

- Award sewer mapping contracts -- actual progress for completing the mapping effort will be in alignment with the schedule included within the Sewer Mapping Program submittal.

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

Projects and Significant Activities Completed During Current Reporting Period

- 5/18/2012 – Completed major upgrade to CMMS – from Synergen to Oracle WAM version 1.9

Anticipated Projects and Activities Next Reporting Period

- Continue development of computerized interface between CMMS (Oracle WAM) and GIS

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

Projects and Significant Activities Completed During Current Reporting Period

- Developed draft version of Collection and Transmission Systems Training Program
- Revised the training tracking software (Compliance Suite) for CD purposes, and initiated entry of CD training data
- Conducted training on 40 topics -- total of 860 attendees, total of 4,276 hours

Anticipated Projects and Activities Next Reporting Period

- Submit Collection and Transmission Systems Training Program to EPA/EPD by 9/20/2012
- Continue 2012 training
- Complete career development plan for DWM staff to include required CD training
- Develop 2013 training schedule
- Initiate training on technical specifications (See PASARP)

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

Projects and Significant Activities Completed During Current Reporting Period

- Developed draft version of System-Wide Flow and Rainfall Monitoring Program
- Collected data from and maintained 206 flow/rainfall monitoring stations

Anticipated Projects and Activities Next Reporting Period

- Submit System-Wide Flow and Rainfall Monitoring Program to EPA/EPD by 12/20/2012
- Collect data from and maintain 206 flow/rainfall monitoring stations

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

Projects and Significant Activities Completed During Current Reporting Period

- Developed draft version of System-Wide Hydraulic Model Program
- Jan 2012 -- Completed hydraulic modeling for 3 of 35 sewersheds

Anticipated Projects and Activities Next Reporting Period

- Submit System-Wide Hydraulic Modeling Program to EPA/EPD by 12/20/2012
- Initiate additional hydraulic modeling under the CD Program Management Services Contract – Financial Analysis Program (CD VI.B.viii)

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

Projects and Significant Activities Completed During Current Reporting Period

- 6/20/2012 -- Submitted Financial Analysis Program to EPA/EPD, ahead of due date

Anticipated Projects and Activities Next Reporting Period

- Initiate 2013 budget development process (cost and revenue projections)
- Initiate CMMS tracking for wastewater costs.

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

Projects and Significant Activities Completed During Current Reporting Period

- 6/20/2012 – Submitted Infrastructure Acquisitions Program to EPA/EPD, ahead of due date

Anticipated Projects and Activities Next Reporting Period

- Activities are not planned – they are reactive based on development projects

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

Projects and Significant Activities Completed During Current Reporting Period

- Prepared 14 technical specifications to be included in the "Priority Areas Assessment and Rehabilitation Program (PASARP)"
- Drafted the basis for selecting the Additional Priority Areas in which sewer assessment and sewer rehabilitation will take place to supplement the Initial Priority Areas specified in the CD
- Apr 2012 – Advertised for CD Program Management Services; proposals received Jun 2012

Anticipated Projects and Activities Next Reporting Period

- Submit Priority Areas Assessment and Rehabilitation Program to EPA/EPD by 12/20/2012
- Award CD Program Management Services Contract

Supplemental Environmental Project (CD VIII.)

Projects and Significant Activities Completed During Current Reporting Period

- Jan 2012 – Awarded contract to consultant (CERM) to develop maps and demographic information for the three stream basins and to perform initial community outreach activities.
 - Maps and demographic information
 - South Fork Peachtree Creek – 39 square miles – 42% minority population
 - Snapfinger Creek – 25 square miles – 88% minority population
 - South River – 62 square miles – 96% minority population
 - Initial Community outreach activities
 - Organized a focus group of 10 stakeholder organizations
 - Meeting notices mailed to 1500 residents within 1,000 feet of the three streams
 - Conducted 3 public meetings – 1 in each of the basins.
 - May 2012 – Completed report of mapping, demographic and outreach activities
 - Created SEP web-site ([http:// www.dekalbwatershed.com/SEP.htm](http://www.dekalbwatershed.com/SEP.htm)) to allow citizens to view maps of the basins and to complete a survey about trash locations.
- Apr 2012 – Awarded contract to consultant (AMEC) to conduct stream walks on 3 streams, develop the SEP plan, and implement the plan.
 - Completed stream walks on South Fork Peachtree Creek and the Snapfinger Creek with the purpose of identifying trash and collecting data to be used in evaluating cleanup priorities.
 - Developed a list of 124 sites in the South Fork Peachtree Creek basin and preliminary matrix to prioritize the trash sites.

Anticipated Projects and Activities Next Reporting Period

- Complete the stream walk on the South River
- Finalize ranking methodology and develop estimated costs for trash removal
- Submit Supplemental Environmental Project Plan to EPA/EPD by 12/20/2012.