

Six-Month Status Report #18 (09/01/2016 – 02/28/2017)

Report Submitted to the following:	
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From:	
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APPENDIX 1

Summary to include the following:

1. Consent Decree Requirements for Reporting Period (09/01/16 – 02/28/17)
2. General Description of Work Completed during the Reporting Period (09/01/16 – 02/28/17)
3. Description of Projected Work to be Performed in the Next Six-Months (03/01/17 – 08/31/17)

APPENDIX 2 – Reports submitted to IDEM during the Reporting Period

APPENDIX 3 – Operations and Maintenance Report on Collection System Activity

1. CONSENT DECREE COMPLIANCE (Section XII, Paragraph 34 (a))

A statement setting forth (i) the deadlines and other terms that Fort Wayne has been required by this Consent Decree to meet since the date of the last statement; (ii) whether and to what extent Fort Wayne has met those requirements; and (iii) the reasons for any noncompliance.

The attached Appendix 1 includes a summary of the City of Fort Wayne's (the "City's") compliance with applicable Consent Decree deadlines and terms from September 1, 2016 – February 28, 2017 (the "Reporting Period"). The City believes that it has met all Consent Decree deadlines during the Reporting Period. The City believes that it also met other terms required by the Consent Decree, but did experience the discharges described at item 6 below during the Reporting Period. Explanations for those discharges are provided at item 6.

2. GENERAL DESCRIPTION OF WORK (Section XII, Paragraph 34 (b))

(i) A general description of the work completed within the prior six-month period; (ii) to the extent known, a statement as to whether the work completed in that period meets applicable Design Criteria; and (iii) a projection of work to be performed pursuant to this Consent Decree during the next six-month period.

The attached Appendix 1 includes a general description of work completed during the Reporting Period and statements as to whether the completed work met applicable Design Criteria.

Appendix 1 also includes a description of the projected work to be performed in the next six-month period. The described activities are, of course, in addition to the continuing activities of the City under its NPDES permit, CMOM and CSSOP. By way of a letter dated February 26, 2016, the City asked EPA to consider certain modifications to CSO Control Measure 9. A response from EPA is expected during the next Reporting Period.

3. REQUEST FOR WATER QUALITY STANDARDS REVISION (Section XII, Paragraph 34 (c))

A statement as to Fort Wayne's understanding regarding the status of IDEM's response to the City's request for a revision to water quality standards in accordance with Section 5 of the City's Long-Term Control Plan.

As previously reported, the City held two public participation meetings on February 17, 2010. A 30-day public comment period followed and concluded March 17, 2010. The only written comment received was from a Fort Wayne citizen in support of the proposed UAA.

Subsequently, on May 6, 2010, a final version of the UAA proposal was submitted to IDEM. The submittal was followed by a meeting on June 8, 2010 between the City and IDEM to discuss future steps in the rule change process. On August 30, 2010 IDEM issued the City a letter stating, in relevant part:

“Based on the information contained in the City’s UAA, IDEM finds that Fort Wayne has provided sufficient information to propose changing the designated recreational use for the above mentioned waters from ‘full body contact’ to the ‘Combined Sewer Overflow (CSO) Wet Weather Limited Use’ subcategory of Indiana’s recreational use designation as provided in IC 13-18-3-2.5 during storm events that exceed the level of control in the City’s approved Long-Term Control Plan (LTCP).”

The City met with IDEM again on August 31, 2010 to discuss a schedule to complete the UAA rule change process in 2010. The City understands that IDEM has provided EPA Region V with a draft proposed rule and that EPA is currently evaluating the same.

Notwithstanding EPA’s involvement in the UAA throughout its development, EPA posed new questions regarding the City’s UAA in late 2010 requesting additional information. The City, IDEM and EPA met to discuss EPA’s request on January 11, 2011. Additional meetings and dialog with EPA have followed, including on January 26, 2012, February 21, 2012, June 13, 2012 and February 27, 2013. As required by the Consent Decree, the City submitted a 6-Year Capital Cost Report to EPA and IDEM on December 31, 2013. Further dialog with EPA and IDEM concerning the UAA occurred during the Reporting Period and is expected to continue throughout the next reporting periods.

4. CSO CONTROL MEASURES NOTICE TO PROCEED (Section XII, Paragraph 34 (d))

A description of any notices to proceed for any CSO Control Measure or measures specified in Appendix 3 that Fort Wayne has revoked in the prior six-month period, and a description of the status of Fort Wayne’s compliance with Section XXI.F with regard to issuance of a new notice to proceed.

The City did not revoke a notice to proceed during this reporting period.

5. POST-CONSTRUCTION MONITORING PROGRAM (Section XII, Paragraph 34 (e))

Information generated in accordance with the Post-Construction Monitoring Program.

Ongoing monitoring programs have continued as outlined in Appendix 4 of the Consent Decree.

Post-Construction monitoring for CSO Control Measures 7 & 8 – St. Joseph Relief Sewers has been completed, and post-construction compliance assessment has been initiated as outlined in Appendix 4 of the Consent Decree. The following presents the status of ongoing activities, the results of which will be presented in the Milestone Report for the St. Joseph River Watershed, to be timely submitted in 2017 as outlined in Section 4.6.6.1 of the Post-Construction Monitoring Program.

- Pre-construction overflow monitoring data for CSOs 045, 051, 052, 053, and 068 has been summarized for full calendar years prior to initiation of construction, i.e. through the end of 2013, along with rainfall measures for the associated period.
- Post-construction overflow monitoring data collection began at these CSOs was initiated in September 2015 and completed in September 2016. Note that the City was able to initiate the 12-month monitoring program earlier than the January 2016 date projected in the last status report due to timely completion of CSOCM 7&8 control projects.
- Both the pre-construction period and post-construction period data have been summarized in terms of various CSO metrics (e.g., activations per year and overflow volume per year) and associated rainfall metrics (e.g. total annual depth).
- The post-construction overflow data is serving as the basis for applying the model-based approach to assessing compliance for the St. Joseph River CSOs as outlined in Section 4.6.4.1 of the Post-Construction Monitoring Program. The model-based approach is currently being implemented, and the results of this assessment will be presented in the Milestone Report for the St. Joseph River Watershed.

6. REPORTS SUBMITTED TO IDEM IN PREVIOUS SIX MONTHS (Section XII, Paragraph 35)

Fort Wayne shall also submit, with each written status report, copies (to EPA only) of all Monthly Monitoring Reports and other reports pertaining to CSOs, SSDs, and bypasses that Fort Wayne submitted to IDEM in the previous six months.

The attached Appendix 2 contains numbered copies of monthly monitoring and other reports submitted to IDEM concerning the Reporting Period pertaining to CSOs, discharges from the City's separate sanitary sewer system, and bypasses. Additional information regarding the discharges described on the reports included within Appendix 2 follows.

Most of the reports submitted during the Reporting Period concerned discharges which did not reach a regulated waterbody but were reported for information purposes (report numbers 1, 3, 5, 7, 8, 9, 10, 12, 13, 15 and 16 page 1). Of those, eight (report numbers 7, 9, 10, 12, 13, and 15 pages 1 and 2) concerned apparent basement backup events reported in an abundance of caution and at IDEM's request for information purposes even though they may not arisen due to the City's sewer system.

One dry weather overflow was reported during the Reporting Period (report number 4). As described in the report, the discharge consisted of drinking water caused by a water line leak into the structure that resulted in a low probability of adverse affects.

Other discharges from sanitary sewer system locations are described in reports 2, 6, 11, 14 pages 1 and 2, and 16 page 2. Most were minor and occurred notwithstanding the City's timely accomplishment of all CMOM requirements, compliance with applicable NPDES permit provisions, and customary best efforts. The discharges described in report 2, 14 (pages 1 and 2), and 16 (page 2) concerned significant rain events during saturated ground conditions while the plant was operating at or near full capacity. Another discharge described on report number 6 resulted from a structure hatch seal began to leak air and a small amount of combined sewage. Finally, report 11 concerned a discharge caused by a temporary blockage that were removed upon discovery.

In addition to responsive activities identified in the submitted reports, the City continues to distribute numerous grease control kits to residents in areas proximate to identified blockages, college residence halls, apartment complexes, and neighborhood associations. The kits include educational materials (translated when appropriate) and lids to facilitate home grease collection.

7. OPERATIONS AND MAINTENANCE REPORT ON COLLECTION SYSTEM ACTIVITY

Although not required by the Consent Decree, the City is pleased to include tables at Appendix 3 respectively depicting the City's general progress towards its operations and maintenance activities goals as well as a listing of completed regulator and lift station inspections September 1, 2016 – February 28, 2017.

8. CERTIFICATION STATEMENT (Section XII, Paragraph 38)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the 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 fine and imprisonment for knowing violations.

Kumar Menon, Director of City Utilities

Date

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APPENDIX 1

Below are general descriptions of the following (I) Consent Decree compliance requirements for Reporting Period; (II) work completed during the Reporting Period; and (III) work anticipated to be performed during the next Reporting Period.

I. CONSENT DECREE COMPLIANCE FOR THIS REPORTING PERIOD

The City achieved compliance with all CSO Control Measure requirements during the Reporting Period and continued to timely development and implement contemplated controls.

II. WORK CONTEMPLATED BY CONSENT DECREE APPENDIX 3 AND APPENDIX 5 COMPLETED DURING THIS REPORTING PERIOD

CSO Control Measure 6 – CSSCIP – Basins Tributary to Parallel Interceptor – (partial separation projects identified as cost-effective components of the Combined Sewer System Capacity Improvements Program). Note: The below listing includes one or more outfalls which the City is voluntarily working to improve in connection with this CSO Control Measure although such is not required by the Consent Decree.

- CSO Outfalls 007 (phase ii) & 056 (phase ii) – Construction was completed.
- CSO Outfalls 027 (phase i) & 033 (phase i) – Final design continued.
- CSO Outfalls 027 (phase ii) & 033 (phase ii) – Final design continued.
- CSO Outfall 048 (although not required by the Consent Decree, the City is voluntarily undertaking additional separation work for this outfall) – Final design was completed, bids were received, and construction began.

CSO Control Measure 7 & 8 – Satellite Storage & Disinfection for St. Joseph River CSO's – (St. Joseph Relief Sewers)

- Milestone Report for the St. Joseph Watershed started.

CSO Control Measure 9 – Satellite Disinfection – (Satellite disinfection facilities)

- CSO Outfalls 061 and 062 – Final design was completed, and bids were received.
- CSO Outfall 054 – Advanced facilities planning continued to optimize final control technologies accounting for flow reductions resulting from implementation of CSSCIP under CSO Control Measure 4.

CSO Control Measure 10 – Morton Street/O10101 Reroute – (Reroute overflow pumps station discharge to Wet Weather Pond 1)

- CSO Outfall 048 – Preliminary design continued.

CSO Control Measures 11 & 12 – Wayne Street & St. Mary's Parallel Interceptors – (Parallel interceptors to capture combined sewer overflows for conveyance to WPCP/Wet Weather Ponds – As the agencies are aware, the City has submitted a request to modify these Control Measures to provide further improved CSO control.)

Wayne Street (West of WPCP)/3RPORT

- Public outreach continued.

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- Tunnel & Drop Shafts Package – Final design was completed and bids were received.
- Consolidation Sewers Package(s) – Final design continued.
- Deep Dewatering Pump Station Package – Final design continued.

Wayne Street (East of WPCP)

- Construction continued.

St. Mary's (Foster Park Relief Sewer)

- Final design continued.

CSO Control Measure 13 – Late Floatables Control – (Overflow-specific solids and floatables controls)

- CSO Outfalls 058 – Outfall permanently abandoned. The elimination of CSO 058 was possible as a result of improvements completed in connection with the City's construction of the South Maumee Relief Sewer. The South Maumee Relief Sewer project is part of the LTCP CSO Control Measure 11. The relief sewer picks up excess flow from CSOs 058, bringing this outfall into compliance with the LTCP's performance criteria. The City's System Wide Hydraulic Model showed that 100% of the flow from CSO 058 (which served a small area) would be captured within the interceptor after the relief sewer was constructed. Therefore, the decision was made to plug the outfall.
- CSO Outfall 060 – Construction continued.
- CSO Outfalls 061 & 062 – Final design was completed and bids were received.

CSO Control Measure 14 – Satellite Storage – (Satellite storage facilities)

- CSO Outfall 064 – Advanced facilities planning continued to optimize final control technologies accounting for flow reductions resulting from implementation of CSSCIP under CSO Control Measure 4.

Warfield SSD System – Outfalls 070 & 071

- Although not required by the Consent Decree, the City is working to further improve the collection system in this area.
- Completed restoration work in the Hillcrest addition.

Rothman SSD System – Outfalls 072, 073, 074, 075, 076

- Although not required by the Consent Decree, the City is working to further improve the collection system in this area.
- Performed additional field work, flow metering, lift station performance analyses, and continued refinement of the hydraulic model.
- Began construction of CIPP Project.

North Maumee SSD System – Outfalls 077 & 078 (criteria to be met by December 31, 2020)

- Advanced facility planning continued.
- Cleaning project (phase ii) – Final design was completed, bids were received, and cleaning began.

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III. WORK CONTEMPLATED BY CONSENT DECREE APPENDIX 3 AND APPENDIX 5 ANTICIPATED FOR COMPLETION DURING THE NEXT REPORTING PERIOD

CSO Control Measure 6 – CSSCIP – Basins Tributary to Parallel Interceptor - (Partial separation projects identified as cost-effective components of the Combined Sewer System Capacity Improvement Program) Note: the below listing includes one or more outfalls which the City is voluntarily working to improve in connection with this CSO Control Measure although such is not required by the Consent Decree.

- CSO Outfalls 027 (phase i), & 033 (phase i) – Final design to be completed.
- CSO Outfalls 027 (phase ii) & 033 (phase ii) – Final design to be completed.
- CSO Outfall 048 (although not required by the Consent Decree, the City is voluntarily undertaking additional separation work for this outfall) – Construction to be completed.

CSO Control Measures 7 & 8 – Satellite Storage & Disinfection for St. Joseph River CSOs - (St. Joseph Relief Sewers)

- Submit Milestone Report for the St. Joseph Watershed

CSO Control Measure 9 – Satellite Disinfection – (Satellite disinfection facilities)

- CSO Outfall 054 – Preliminary engineering to begin on satellite storage tank. Complete facilities planning to optimize final control technologies accounting for flow reductions resulting from implementation of CSSCIP under CSO Control Measure 4.
- CSO Outfalls 061 and 062 – Construction to continue

CSO Control Measure 10 – Morton Street/O10101 Reroute – (Re-route overflow pumps station discharge to Wet Weather Pond 1)

- CSO Outfall 048 – Continue final design.

CSO Control Measures 11 & 12 – Wayne Street and St. Mary’s Parallel Interceptors – (Parallel interceptors to capture combined sewer overflows for conveyance to WPCP/Wet Weather Ponds)

Wayne Street (West of WPCP)/3RPORT

- Public outreach to continue.
- Tunnel & Drop Shafts Package – Construction to begin.
- Consolidation Sewers Package(s) – Final design to continue.
- Deep Dewatering Pump Station Package – Final design to continue.

Wayne Street (East of WPCP)

- Construction to be completed.

St. Mary’s (Foster Park Relief Sewer)

- Final design to continue.

CSO Control Measure 13 – Late Floatables Control – (Overflow-specific solids and floatables controls)

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- CSO Outfalls 060 – Construction to be completed
- CSO Outfalls 061 & 062 – Construction to continue

CSO Control Measure 14 – Satellite Storage – (Satellite storage facilities)

- CSO Outfall 064 – Advanced facilities planning to continue to optimize final control technologies accounting for flow reductions resulting from implementation of CSSCIP under CSO Control Measure 4.

Warfield SSD System – Outfalls 070 & 071

- Evaluate possible additional system improvement projects.

Rothman SSD System – Outfalls 072, 073, 074, 075, 076

- Continue I/I removal projects.
- Evaluate possible additional system improvement projects.

North Maumee SSD System – Outfalls 077 & 078

- Advanced facility planning to continue.
- Cleaning project (phase ii) – Cleaning to be completed