

Section 1: Specific Action Projects

1.A Upgrade of the WPCS

Status of Work Plan Development	The Work Plan for Water Pollution Control Station (WPCS) improvements was submitted to EPA on February 10, 2010 per the Consent Decree.
Status of Design and Construction Activities	No activity during this reporting period.
Status of Stress Test Protocol Development	No activity during this reporting period.
Status and Results of Stress Tests	The Final Demonstration Testing Evaluation Report was submitted to EPA on October 15, 2015 per the Consent Decree.
Capacity Achieved at the WPCS After Upgrade	The Final Demonstration Testing Evaluation Report concluded that the step feed and clarifier upgrades to Unit 6 have achieved 30 MGD of wet weather treatment capacity.
Project Cost Incurred During Reporting Period	Project costs incurred during the reporting period were approximately \$77,293.

1.B Upgrade of the WPCS (Contingency Projects)

Since the Final Demonstration Testing Evaluation Report concluded that the step feed and clarifier upgrades to Unit 6 have achieved 30 MGD of wet weather treatment capacity, this Consent Decree item is not applicable.

1.C Status of Sewer Separation Projects

1.C.1 Rack 8 Separation Project

Activities Undertaken During Reporting Period	Project is complete. Project close out at the end of the one-year guarantee period.
Status of Construction	Construction is complete.

Date of Anticipated Completion Achievement of Full Operation occurred on December 14, 2012.

Project Cost Incurred During Reporting Period No project costs were incurred during the reporting period.

1.C.2 Rack 25 Separation Project

Activities Undertaken During Reporting Period Project is complete. Project close out at the end of the one-year guarantee period.

Status of Construction Construction is complete.

Date of Anticipated Completion Achievement of Full Operation occurred on December 14, 2012.

Project Cost Incurred During Reporting Period No project costs were incurred during the reporting period.

1.C.3. Rack 21 Separation Project

Activities Undertaken During Reporting Period The Integrated Plan Long Term Control Plan Optimization was initiated in February 2015 to identify and evaluate opportunities and other alternative solutions for CSO reduction. Design is approximately 85% complete.

Status of Construction Construction will begin on the separation of one of the remaining racks within six (6) years of November 13, 2009 (Date of Lodging).

Date of Anticipated Completion Construction on Rack 21 will be complete within 8 years of November 13, 2009 (Date of Lodging).

Project Cost Incurred During Reporting Period Project costs incurred during the reporting period were approximately \$24,576.

1.C.4 Rack 13 Separation Project

Activities Undertaken During Reporting Period Proposals were received and reviewed for the construction of this project. The project was awarded and a preconstruction meeting was held November 5, 2015. A Notice to Proceed was sent to the contractor on November 12, 2015.

Status of Construction Construction began November 12, 2015.

Date of Anticipated Completion Construction will be complete by November 13, 2016.

Project Cost Incurred During Reporting Period Project costs incurred during the reporting period were approximately \$13,797. In addition a contract was encumbered for \$2,858,711.

1.C.5 Rack 30 Separation Project

Activities Undertaken During Reporting Period Design recommended.

Status of Construction Construction will begin on the separation of one of the remaining racks within 6 years of November 13, 2009 (Date of Lodging).

Date of Anticipated Completion Construction on Rack 30 will be complete within 8 years of November 13, 2009 (Date of Lodging).

Project Cost Incurred During Reporting Period Project costs incurred during the reporting period were approximately \$9,300.

Section 2: CSO and WPCS Control Measures

2.A Status of Document Preparation

Table 2-1 shows the current status of documents as listed in Table 1 in Paragraph 17 of the Consent Decree. Documents listed in **bold** have been completed as of the end date of this reporting period.

Table 2-1 Status of Document Preparation

Document	Consent Decree Due Date	Date Submitted or Date of Anticipated Completion
Updated NFA and supplement	November 30, 2009	November 25, 2009
Preliminary Report on Modeling to Predict Size and Number of Overflows	January 15, 2010	January 13, 2010
Preliminary Report on Cost/Benefit Comparison to Predict Sizes and Number of Overflows	March 15, 2010	March 12, 2010
CSO Control Measure Cost/Benefit Tables at Appendix 2 of Attachment A	May 15, 2010	May 14, 2010
Updated Financial Capability Information	May 15, 2010	May 14, 2010
Post-Construction Monitoring Program	August 15, 2010	August 16, 2010
Proposed Long Term Control Plan Update	August 15, 2010	August 16, 2010
Proposed Long Term Control Plan Update Report	August 15, 2010	August 16, 2010
Final Long Term Control Plan Update	October 15, 2010	October 15, 2010 Revised: February 28, 2011
Final Long Term Control Plan Update Report	October 15, 2010	October 15, 2010 Revised: February 28, 2011 Revised: November 15, 2011 USEPA Approved: November 16, 2011 Ohio EPA Approved: April 11, 2012 Withdrawn: December 17, 2013
Report on Revising WPCS Control Measure(s) if Akron achieves 130 MGD through secondary treatment using step feed	October 15, 2016	<i>October 15, 2016</i>
Report on Revising WPCS Control Measure(s) if Akron constructs the WPCS Contingency Project	October 15, 2017	<i>October 15, 2017</i>

Development of an Integrated Plan

On December 17, 2013, the City of Akron withdrew its Long Term Control Plan (LTCP) Update due to significant prolonged delay in the entry of the proposed Consent Decree and the increase in the cost to implement the City's program. However, the LTCP Update was incorporated into a court-approved Consent Decree on January 17, 2014. The City has continued to comply with all requirements within the Consent Decree, including, but not limited to, the LTCP. The City subsequently requested the opportunity to participate in the USEPA's Integrated Planning process. As a result, the City submitted an Integrated Plan on July 31, 2015 in accordance with USEPA's June 5, 2012 Integrated Planning Framework (IPF) Guidance.

The following summarizes the Integrated Plan activities that were implemented during this reporting period:

- Formal submittal of the City of Akron Integrated Plan consisting of:
 - Letters of support from community stakeholders
 - Akron's need for an integrated solution
 - Water Quality impacts of the current and proposed plans
 - Evaluation of the existing systems and performance
 - Stakeholder involvement in development of the plan
 - Process for evaluating and selecting alternatives to the LTCP projects
 - Results of the proposed Integrated Plan
 - Approach for measuring success of the plan
 - Approach for improving the plan by means of adaptive management
- Defined and evaluated a Baseline and an Integrated Plan project scenario to find an overall project integration plan that meets the City's goal to achieve environmental benefits at an affordable cost
- Developed a prioritized schedule for IP project scenarios using an optimization decision-making software tool (i.e., Expert Choice Comparison™)
- Successfully negotiated approvals for three minor modifications under Exhibit 3 of LTCP for green infrastructure solutions in Rack 5/7, Rack 22, and Rack 36.
 - Rack 5/7 modification package submitted October 14, 2015, accepted on October 30, 2015. As stated in the request and approval letter, the request was subsequently amended October 30, 2015 and approved December 7, 2015
 - Rack 22 modification package submitted November 30, 2015, accepted on December 7, 2015.
 - Rack 36 modification package submitted October 14, 2015, accepted on October 30, 2015.

Affordability Analysis

Since submitting the baseline financial capability assessment (FCA) reports for 2014 to USEPA on July 16, 2014 and September 11, 2014, the IP team updated the FCA with costs for 2015. The updated report adds the City's Master Meter customer information, including all local costs incurred by each of the City's five Master Meter customers. The analysis evaluates the affordability of two alternative IP LTCP scenarios, called Baseline 2040 and Integrated Plan 2040. These scenarios are also presented in the IP report submitted to USEPA on July 31, 2015. The FCA submitted August 7, 2015 evaluated the financial capability of the IP scenarios both under 1997 EPA Guidance for the City's residential customers and under a Weighted Average Residential Index (WARi™) analysis that demonstrates income skew in the City based on neighborhood or census tract. The WARi approach uses actual customer billing data

calculated for each census tract, resulting in a more accurate depiction of the real financial impacts of individual households in neighborhoods over time as rates increase.

Calculations of the residential indicator (RI) under both LTCP scenarios and financial capability indicators were prepared that show a high cost per household given the escalation in the 2010 LTCP costs and required projects; however, each scenario was demonstrated to be less unaffordable than the baseline LTCP through 2027. The current LTCP presents a high burden for the community; therefore, as USEPA Guidance encourages the City to present analysis of other local conditions demonstrating the financial capability in its service area, the WARi analysis was used to demonstrate that LTCP costs will have a disproportionate burden on lower and fixed income households in the City. Analysis of the IP scenarios indicates the alternative LTCPs still disproportionately burden lower and fixed income households in the City, but at a lesser impact than the current LTCP.

On November 10, 2015, the IP team and City met with USEPA Region 5 to present elements of the IP report and the FCA analysis. As a follow up with USEPA's financial consultant, the IP team met with USEPA and the consultant on November 19, 2015 to fully review the financial models developed for the City and used in the FCA. USEPA's consultant requested additional documentation of values used in the analysis and a variance analysis comparing USEPA's assessment in 2012 with the IP team's FCA calculations. The IP team provided the backup information which was reviewed and discussed among the City, USEPA, and the financial consultant on January 6, 2016.

2.B Progress Towards Completing Milestones in Approved LTCP Update

Progress on completing milestones, including status of progress toward Achievement of Full Operation, for each of the WPCS and CSO Control Measures set forth in the approved LTCP Update is provided in Table 2-2. The Consent Decree was entered January 17, 2014. In addition, under USEPA's Integrated Plan Framework, during this reporting period the City also initiated Long Term Control Plan Optimization to evaluate and identify alternative solutions for each of the controls listed in the LTCP Update.

**Table 2-2 Status of Progress and Cost Incurred During Reporting Period
For Control Measures Set Forth in Approved LTCP Update**

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
1	Rack 3	Storage Basin(s)	Bidding of Control Measure – June 30, 2018. Achievement of Full Operation – November 30, 2020.	LTCP optimization was performed during this period as part of the Integrated Plan. No advanced facilities planning or design activities were undertaken during this reporting period.	No costs were incurred during this reporting period.
2	Rack 5 and 7	Storage Basin(s)	Bidding of Control Measure – October 31, 2015. Achievement of Full Operation – October 31, 2017.	The modification request pursuant to Exhibit 3 of the LTCP Update was approved on December 7, 2015 A design contract with Hazen and Sawyer was secured and design has progressed to the 60% plan level. A CMAR RFP was issued on October 2, 2015 and proposals were received on November 4, 2015. The CMAR proposals were rejected December 22, 2015, and a revised 60% RFP is being prepared for reissue.	Project costs incurred during the reporting period were approximately \$ 894,934.31 (land acquisition not included in cost).
3	Racks 10 and 11	Storage Basin(s)	Bidding of Control Measure – June 30, 2018. Achievement of Full Operation – December 31, 2020.	A design consultant was selected for this work. A scope of services was drafted for advanced facilities planning and final design.	Project costs incurred during the reporting period were approximately \$1,624.27
4	Rack 12	Storage Basin(s)	Bidding of Control Measure – November 30, 2014. Achievement of Full Operation – October 31, 2017.	Construction NTP issued May 29, 2015. Site work and excavation are complete. Basin base slab is approximately 75% complete.	Project costs incurred during the reporting period were approximately \$3,817,103.44.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
5	Rack 14	Storage Basin(s)	Bidding of Control Measure – October 31, 2014 Achievement of Full Operation – April 30, 2017.	Substantially completed the pre-cast concrete structures and deep sanitary work. Worked on SMH 2,3 and 12 structures. Additional work associated with Rack 13 was completed. Began mobilization to construct operations building.	Project costs incurred during the reporting period were approximately \$7,469,705.15.
6	Rack 15	Storage Basin(s)	Bidding of Control Measure – November 30, 2013. Achievement of Full Operation – February 28, 2016.	Construction NTP issued July 14, 2014. Basin and structures are complete. All sewers are installed. Site work is complete. Base course of access road is complete. Fiber, gas, electric and water are complete. Operations building is under roof.	Project costs incurred during the reporting period were approximately \$3,980,688.43.
7	Rack 22	Storage Basin(s)	Bidding of Control Measure – October 31, 2015. Achievement of Full Operation – December 31, 2017.	The modification request pursuant to Exhibit 3 of the LTCP Update was approved by USEPA on December 7, 2015. The design of the selected alternative, sewer separation with an upsized underflow and green infrastructure, continued. 30% design documents were completed. A Request for Qualifications (RFQ) for Construction Manager at Risk (CMAR) was issued on September 11, 2015. Qualification Statements were received on September 25, 2015. A Request for Proposals for CMAR was issued on October 7, 2015. Proposals were received on November 6, 2015.	Project costs incurred during the reporting period were approximately \$924,994.53.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
8	Rack 26 and 28	Storage Basin(s)	Bidding of Control Measure – October 31, 2021. Achievement of Full Operation – December 31, 2022.	LTCP optimization was performed during this period as part of the Integrated Plan. No advanced facilities planning or design activities were undertaken during this reporting period.	No costs were incurred during this reporting period.
9	Rack 27 and 29	Storage Basin(s)	Bidding of Control Measure – January 31, 2018. Achievement of Full Operation – December 31, 2019.	LTCP optimization was performed during this period as part of the Integrated Plan. No advanced facilities planning or design activities were undertaken during this reporting period.	No costs were incurred during this reporting period.

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Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
10	Rack 36	Storage Basin(s)	Bidding of Control Measure – October 31, 2015. Achievement of Full Operation – October 31, 2017.	The modification request pursuant to Exhibit 3 of the LTCP Update was approved by USEPA on October 30, 2015. The design of the selected alternative, complete sewer separation with green infrastructure, continued. 30% and 60% Design documents were completed. A Request for Qualifications (RFQ) for Construction Manager at Risk (CMAR) was issued on August 28, 2015. Qualification Statements were received on September 14, 2015. A Request for Proposals for CMAR was issued on September 25, 2015. Proposals were received on October 27, 2015. The CMAR contract was awarded to H.M. Miller Construction Co. on November 23, 2015.	Project costs incurred during the reporting period were approximately \$583,629.
February 14, 2016					

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
11	Racks 4, 16, 17, 18, 19, 20, 23, 24, 37	Ohio Canal Tunnel – Construct a 28-foot internal diameter tunnel, 5,500 feet in length, or any other combination of diameter and length that achieves the design criteria.	Bidding of Control Measure – April 30, 2014. Achievement of Full Operation – December 31, 2018.	Proposals for OCIT were received August 13, 2015. The project was awarded to Kenny/Obayashi V, A Joint Venture on August 24, 2015. Notice to proceed was issued November 6, 2015.	Project costs incurred during the reporting period were approximately \$11,153,158.
11a	Racks 16, 17, 18, 19, 20, 23, 24	Ohio Canal Tunnel – BioACTIFLO™ Ballasted Flocculation Unit or equivalent technology that meets the Design and Performance Criteria and Disinfection.	Bidding of Control Measure – April 30, 2024. Achievement of Full Operation – October 31, 2027.	LTCP optimization was performed during this period as part of the Integrated Plan. No advanced facilities planning or design activities were undertaken during this reporting period.	No costs were incurred during this reporting period.
12	Racks 32, 33, 34, 35	Northside Interceptor Tunnel – Construct a 20-foot internal diameter tunnel, 10,000 feet in length or any other combination of diameter and length that achieves the design criteria.	Bidding of Control Measure – April 30, 2023. Achievement of Full Operation – December 31, 2026.	LTCP optimization was performed during this period as part of the Integrated Plan. No advanced facilities planning or design activities were undertaken during this reporting period.	No costs were incurred during this reporting period.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
13a	WPCS Phase 1	Upgrade conventional secondary treatment capacity to 130MGD by implementing step feed operation in Train 6, as described in Paragraph 10.a of the Consent Decree.	Bidding of Control Measure – October 31, 2011. Achievement of Full Operation – October 15, 2013.	The progress during reporting period for the WPCS Phase 1 – Upgrade of the WPCS is reported in Section 1.A of this Semi Annual Report.	Project costs incurred during the reporting period were approximately \$77,293.
13b	WPCS Phase 1	Upgrade conventional secondary treatment capacity to 130MGD by performing the upgrades identified in the Consent Decree in Section V.10.C.	Bidding of Control Measure – January 15, 2016. Achievement of Full Operation – October 15, 2017.	Since the Final Demonstration Testing Evaluation Report concluded that the step feed and clarifier upgrades to Unit 6 have achieved 30 MGD of wet weather treatment capacity, this Consent Decree item is not required.	No costs were incurred during this reporting period.
14	WPCS Phase 1 BioACTIFLO™ Wet Weather Treatment Pilot Study (the “Pilot Study”)	Conduct the Pilot Study in accordance with Exhibit 1 to this Long Term Control Plan Update.	Pilot Study Start Date – May 1, 2012. Pilot Study Completion Date – November 30, 2013. Pilot Study Report submitted to EPA by December 31, 2013.	Awaiting approval letter for the final report.	No costs were incurred during this reporting period.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
15	WPCS Phase 2 – Part 1	Upgrade conventional secondary treatment capacity to 170 MGD	Bidding of Control Measure – February 28, 2019. Achievement of Full Operation – December 31, 2021.	60% and 90% Design documents were completed. The PTI application was submitted to OEPA. Design activities continue.	Project costs incurred during the reporting period were approximately \$874,207.
16	WPCS Phase 2 – Part 2	Install BioACTIFLO™ ballasted flocculation to treat all flow that does not receive conventional secondary treatment. In addition, all flows receiving BioACTIFLO™ shall receive disinfection.	Bidding of Control Measure – April 30, 2017. Achievement of Full Operation – April 30, 2019.	No activities were undertaken during this reporting period.	No costs were incurred during this reporting period.
17	WPCS Alternative Plan A – Phase 2 – Part 1	Upgrade conventional secondary treatment capacity to achieve the minimum sustained capacity specified in Alternative Plan A approved by USEPA	Bidding of Control Measure – February 28, 2019. Achievement of Full Operation – December 31, 2021.	No activities were undertaken during this reporting period.	No costs were incurred during this reporting period.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
18	WPCS Alternative Plan A – Phase 2 – Part 2	Install BioACTIFLO™ ballasted flocculation to achieve the minimum capacity specified in Alternative Plan A approved by USEPA. In addition, all flows receiving BioACTIFLO™ shall receive disinfection.	Bidding of Control Measure – April 30, 2017. Achievement of Full Operation – April 30, 2019.	No activities were undertaken during this reporting period.	No costs were incurred during this reporting period.
19	WPCS Alternative Plan B – Phase 2 – Part 1	Upgrade conventional secondary treatment capacity to achieve the minimum sustained capacity specified in Alternative Plan B approved by USEPA.	Bidding of Control Measure – December 31, 2019. Achievement of Full Operation – December 31, 2021.	No activities were undertaken during this reporting period.	No costs were incurred during this reporting period.

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
20	WPCS Alternative Plan B – Phase 2 – Part 2	Install BioACTIFLO™ ballasted flocculation to achieve the minimum capacity specified in Alternative Plan B approved by USEPA. In addition, all flows receiving BioACTIFLO™ shall receive disinfection.	Bidding of Control Measure – April 30, 2017. Achievement of Full Operation – April 30, 2019.	No activities were undertaken during this reporting period.	No costs were incurred during this reporting period.

Final Draft #12

Row #	Control Measure Location	Description	Critical Milestones	Progress During Reporting Period	Costs Incurred During Reporting Period
(2) Collection System Measures					
21	Parallel Relief Interceptor and Pump Station	Installation of parallel relief sewer between Survey Station 88+00 and the WPCS and associated pump station to convey wastewater to WPCS	Bidding of Control Measures: Parallel Relief Interceptor – July 31, 2015. Pump Station – November 30, 2015. Achievement of Full Operation :November 30, 2017.	Cap replacement project was bid December 9, 2015 and awarded December 21, 2015 to Great Lakes Construction Company.	Project costs incurred during the reporting period were approximately \$487,820.
22	Main Outfall Sewer	Perform inspections and rehabilitation consistent with the Main Outfall Sewer Supplement to the Approved CMOM Program as outlined in Section VII of the Consent Decree.	Full Operation shall be maintained consistent with the Main Outfall Sewer Supplement to the Approved CMOM Program.	Final completion and the end of the warranty period occurred September 22, 2015.	Project closeout costs incurred during the reporting period were approximately \$41,712.

2.C Project Cost Incurred

Project costs incurred by the City during the reporting period for each of the WPCS and CSO Control Measures set forth in the approved LTCP Update are provided in Table 2-2. The City incurred additional costs for regulatory support, design management, program controls, technical and right of way support and program management of approximately **\$8,757,831** during the reporting period.

2.D Status of Implementation of the Post-Construction Monitoring Program

The Post-Construction Monitoring Program was submitted on August 15, 2010, in the revised Long Term Control Plan on February 29, 2011, and a revised Program was submitted for review on December 14, 2012. No construction of control measures was completed during the reporting period; therefore no post-construction monitoring activities were initiated.

2.E Listing of All CSO Discharges

CSO discharges from each CSO Outfall for the period July 1, 2015, through December 31, 2015, are listed in Appendix B. The listing also provides data on the depth and duration of rainfall at each of the City's thirteen (13) rain gauges. Racks 8, 9, 25, 30, 31, 38 and 39 are not included in the table. Racks 8, 9, 25 and 39 were separated on May 21, 2012, July 27, 2004, April 26, 2012 and August 18, 2000, respectively. Racks 30 and 31 have been consolidated with Rack 40 into the Cuyahoga Street Storage Facility. Rack 38 is a diversion chamber that routes flow within the combined sewer system.

2.F Status of Development of the Supplemental Compliance Plan

As of this reporting period, the Supplemental Compliance Plan is not required.

2.G Status of Public Participation Plan Implementation

The City of Akron continued its public participation program with regular updates to the Integrated Plan Stakeholder Group – formerly known as the CSO Community Action Group (CAG). During the reporting period, the following IP Stakeholder group meeting was held:

- IP Stakeholders Meeting/IP Update (July 24, 2015)

The City's public participation efforts also included presentations made at the following events and public meetings during the reporting period:

- Multiple Towpath Outreach meetings with partners (July 2015 – Dec. 2015)
- Merriman Separation – Green Project (CSO Rack 36) councilman update (July 20, 2015)
- Merriman Separation – Green Project (CSO Rack 36) community meeting (July 21, 2015)
- IP Stakeholders Meeting/IP Update (July 24, 2015)
- AWR Site Tours with Council (August 11, 2015)
- State Representative Visit to Forge Field Storage Basin (CSO Rack 14) (August 21, 2015)
- Contractor Match Making Event (August 31, 2015)
- Akron Urban League Career Fair (September 9, 2015)

- AWR Contractor Outreach Event (September 23, 2015)
- Blue Heron Homecoming Planning Meeting with Partners (October 5, 2015)
- Middlebury Separation – Green Project (CSO Rack 5&7) community meeting (October 6, 2015)
- Akron University Engineering Fair participation (October 6, 2015)
- Hickory/Otto/Cuyahoga OCIT community meeting (October 8, 2015)
- Main Street Towpath Meeting Hosted by Downtown Akron Partnership (October 14, 2015)
- Main Street Towpath Meeting Hosted by Downtown Akron Partnership (October 15, 2015)
- Ward 5 Council Meeting Update (October 15, 2015)
- Stark State Job Fair (October 30, 2015)
- OCIT Groundbreaking Event (November 6, 2015)
- Downtown Construction Update/Info and Q&A Hosted by Downtown Akron Partnership (November 10, 2015)
- Council Update regarding IP/EPA acceptance of green (December 14, 2015)

Copies of presentations and distributed materials are included in Appendix C.

The City of Akron has posted updated CSO information to the Akron CSO Program website (www.akronwaterwaysrenewed.com). Figure 2-1 represents the home page view of Akron's CSO Program website. The website is currently being redesigned to facilitate ease of use and to incorporate videos. The relaunch will be February 2016.

The City of Akron has also established a Facebook page for the Akron CSO Program. The link for this page is www.facebook.com/akronwaterwaysrenewed. Figure 2-2 represents the Facebook page for the program.

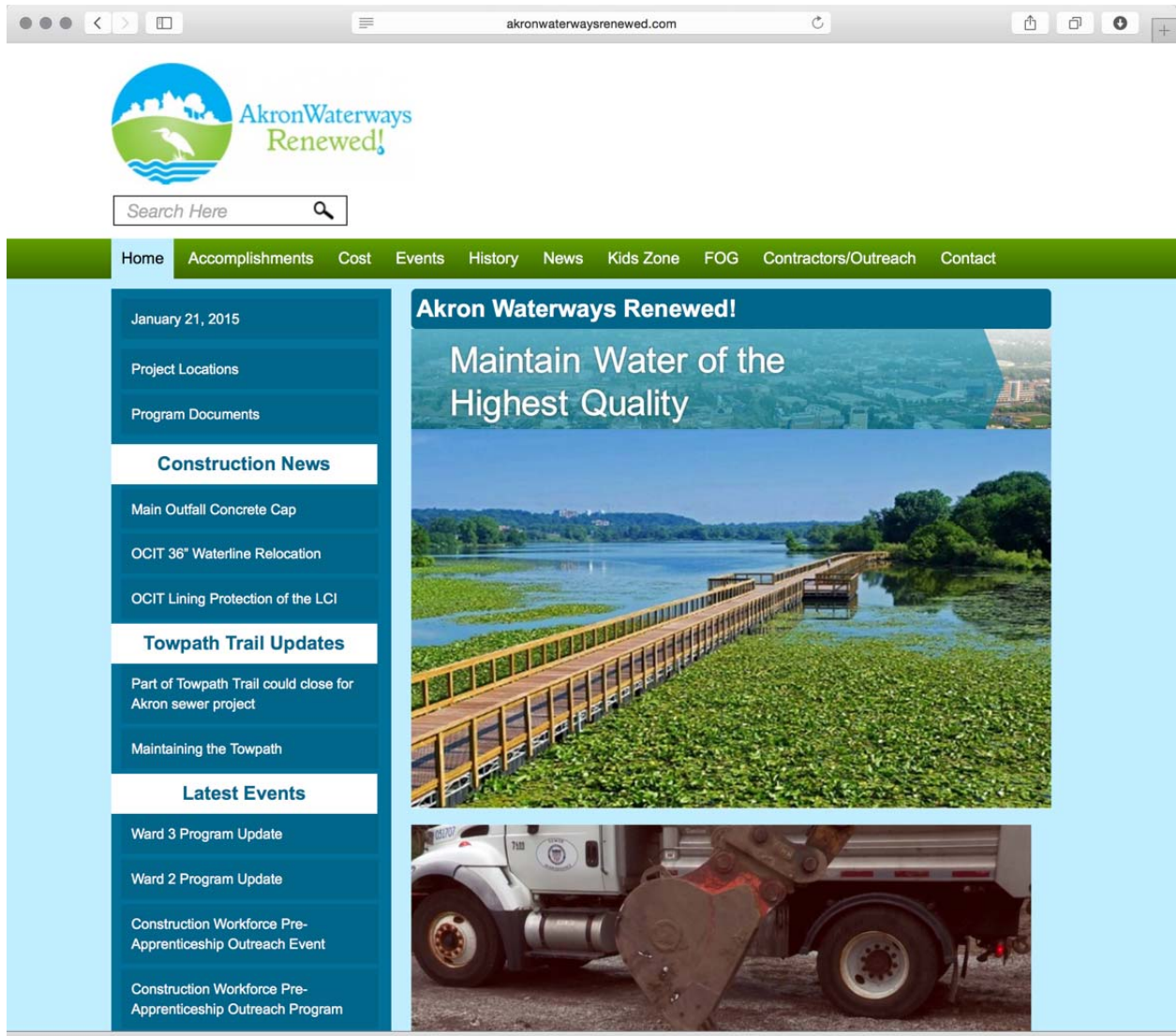


Figure 2-1 New City of Akron CSO Program Website



Figure 2-2 Akron Waterways Renewed Facebook Page

Section 3: CMOM, Grease Control, and Emergency Response Programs

General:

The USEPA required, after review and approval, all necessary construction, cleaning and inspection of all inaccessible sewer segments discovered prior to the end of 2014 be completed by December 31, 2015. With the exception of the assets identified in the letter "Submission of Force Majeure Notification – Inaccessible Sewer Assets" dated December 7, 2015, the inaccessible sewer segments and manholes have been cleaned and inspected or were determined not to exist, were abandoned, or privately owned.

Table 3-1a summarizes the inaccessible sewer segments presented in the 2013 July-December semi-annual reporting period. Table 3-1b summarizes additional inaccessible sewer segments presented in the 2014 January-June semi-annual reporting period. Table 3-1c summarizes inaccessible sewer segments presented in the 2014 July-December semi-annual reporting period.

Table 3-1d summarizes the inaccessible manholes presented in the 2014 July – December semi-annual reporting period. This table identifies the manholes that have been inspected, or were determined not to exist, were abandoned, or privately owned.

Table 3-1a Sewer Segments Needing Access to Complete Inspection/Cleaning - Status Update (Table 3-3 from 2013 July-December Semi-Annual Report).

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
406785	-	12	Vitrified Clay Pipe	172.7
403785	729 Moon St	8	Vitrified Clay Pipe	175.7
522406	454 E Voris St	8	Vitrified Clay Pipe	71.8
408841	608 Spicer St	8	Vitrified Clay Pipe	222.7
412413	608 Spicer St	8	Vitrified Clay Pipe	201.0
419068	274 Wheeler St	8	Vitrified Clay Pipe	327.5
476417	608 Spicer St	8	Vitrified Clay Pipe	39.4
431159	570 E Waterloo Rd	36	Brick	49.2
366922	Diagonal Rd (Easement)	48	Clay Tile	300.1
413257	-	20	Vitrified Clay Pipe	475.0
423296	-	8	Vitrified Clay Pipe	362.9
367951	109 W Market St (Easement)	18	Vitrified Clay Pipe	294.6
425750	131 N Summit St	10	Vitrified Clay Pipe	172.1
428752	-	6	Ductile Iron Pipe	539.5
426752	120 E Mill St	8	Vitrified Clay Pipe	54.7

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
425657	-	12	Unknown	246.1
428891	-	6	Vitrified Clay Pipe	119.3
428898	-	6	Vitrified Clay Pipe	435.2
431331	-	6	Vitrified Clay Pipe	232.8
431333	-	8	Vitrified Clay Pipe	200.2
433433	1084 Cumberland Dr	8	Vitrified Clay Pipe	243.6
403789	742 Mallison Ave (Easement)	15	-	157.6
403791	742 Mallison Ave (Easement)	8	Vitrified Clay Pipe	20.5
403905	-	8	Vitrified Clay Pipe	139.2
421614	-	8	Vitrified Clay Pipe	82.1
411611	-	6	Vitrified Clay Pipe	108.7
403462	-	6	Vitrified Clay Pipe	80.9
424264	-	8	Vitrified Clay Pipe	19.8
401637	2569 W Market St	18	Vitrified Clay Pipe	223.3
409268	2569 W Market St	8	Vitrified Clay Pipe	188
421514	123 W Bartges St	8	Vitrified Clay Pipe	732.7
423244	520 S Main St	18	Cast Iron Pipe	147

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
422952	-	8	Vitrified Clay Pipe	174.5
423868	-	15	Vitrified Clay Pipe	102.1
427076	-	8	Vitrified Clay Pipe	154.9
403811	-	8	Cast Iron Pipe	298
728755	-	6	Vitrified Clay Pipe	166.7
428674	170 University Ave	12	Vitrified Clay Pipe	360.9
424759	10 N Main St	8	Vitrified Clay Pipe	230.7
426929	-	8	Vitrified Clay Pipe	206.9
425808	-	8	Vitrified Clay Pipe	241.2
423187	190 N Union St	10	Vitrified Clay Pipe	213.5
425754	243 Furnace St	10	Vitrified Clay Pipe	288.5
433530	1100 Jenkins Blvd	8	Vitrified Clay Pipe	237.9
434666	1282 Triplett Blvd	8	Vitrified Clay Pipe	219.5
747394	1306 Pondview Ave	6	Cast Iron Pipe	25.4
413055		8	Cast Iron Pipe	57.8
413057	538 S Main St	8	Cast Iron Pipe	72.8
424920	-	6	Vitrified Clay Pipe	239.6

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
424923	-	6	Vitrified Clay Pipe	148.6
426290	-	12	Vitrified Clay Pipe	305.5
522399	-	0	Vitrified Clay Pipe	6.9
425655	-	8	Vitrified Clay Pipe	346.1
426834	166 N Union St	10	Vitrified Clay Pipe	255.8
424430	Bauer Blvd (Easement)	8	Vitrified Clay Pipe	8
423926	-	8	Vitrified Clay Pipe	144.5
752445	-	6	Vitrified Clay Pipe	0
752446	-	6	Vitrified Clay Pipe	0
423928	10 N Main St	8	Vitrified Clay Pipe	147.7
424812	10 N Main St	12	Vitrified Clay Pipe	117.9
412312	670 Arbutus Ct	8	Vitrified Clay Pipe	237.4
728759	-	6	Vitrified Clay Pipe	220.2

Table 3-1b Sewer Segments Needing Access to Complete Inspection/Cleaning - Status Update (Table 3-2b from 2014 January-June Semi-Annual Report).

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
431620	Landon St	24	Unknown	246.5
431618	Landon St	24	Vitrified Clay Pipe	52.7
431852	1490 E Archwood Ave	24	Vitrified Clay Pipe	388.8
425328	Easement	30	Concrete	388
425330	Easement	30	Concrete	227.2
429307	Easement	30	Brick	394.9
365787	Easement	120x90	Brick	259.8
410787	681 Ivy Ct	8	Vitrified Clay Pipe	339.4
411212	394 Berry Ave	8	Vitrified Clay Pipe	130.9
436546	95 Goodyear Blvd	12	Vitrified Clay Pipe	324.8
402630	1076 Jefferson Ave	6	Vitrified Clay Pipe	253.6
400931	550 Copley Rd	10	Vitrified Clay Pipe	83.3
407317	Metz Ave	8	Unknown	144.4
396643	284 Rhodes Ave	8	Unknown	74
428784	Hall St	18	Vitrified Clay Pipe	18.2
425570	335 Silver St	8	Vitrified Clay Pipe	225.4

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
422937	Division St	8	Unknown	254
425812	N Main St	12	Vitrified Clay Pipe	242.3
426253	E Cuyahoga Falls Ave	15	Unknown	245.6
729660	125 N Union St	6	Vitrified Clay Pipe	178.9
729662	N Union St	6	Vitrified Clay Pipe	81.8

Table 3-1c Sewer Segments Needing Access to Complete Inspection/Cleaning - Status Update (Table 3-3 from 2014 July-December Semi-Annual Report).

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
421978	113 Hall St	8	Vitrified Clay Pipe	298.2
366937	615 Blanche St	15	Vitrified Clay Pipe	202.2
418912	879W Thornton St	8	Vitrified Clay Pipe	359.9
415203	1656 SW 13th St	8	Unknown	94.5
419379	1455 East Ave	12	Vitrified Clay Pipe	451.8
404713	709 Sharon St (Viewland Terrace Easement)	8	Unknown	59.8
420177	673-709 Viewland Terrace (Easement)	8	Unknown	120.1
420175	673-709 Viewland Terrace (Easement)	8	Unknown	121.5
420386	670-686 Viewland Terrace (Easement)	8	Vitrified Clay Pipe	157.3
765700	670-686 Viewland Terrace (Easement)	8	Vitrified Clay Pipe	72.6
366881	1135 Herman Ave	15	Unknown	16.8
411815	611 W. Wilbeth Rd (Easement)	8	Vitrified Clay Pipe	269.3

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
411436	1050-1030 Eagon St	8	Vitrified Clay Pipe	650.6
414274	1544 S Hawkins Ave	6	Vitrified Clay Pipe	102.7
404052	1511-1529 Overlook Ave	8	Vitrified Clay Pipe	148.6
420238	2065 Manchester Rd.	10	Vitrified Clay Pipe	355.2
419748	620 Indian Trail (Easement)	8	Vitrified Clay Pipe	140.7
419752	620 Indian Trail (Easement)	8	Vitrified Clay Pipe	224.8
412773	809 W. Waterloo Rd (Easement)	12	Vitrified Clay Pipe	264.9
401710	630 Koerber Ave (Easement)	12	Vitrified Clay Pipe	310.7
413907	659 Allenford St	8	Vitrified Clay Pipe	301.2
420452	473-463 Harvey Ave	8	Vitrified Clay Pipe	228.5
418862	443-437 Russell Ave	8	Vitrified Clay Pipe	261
400964	309 Sandhurst (Easement)	24	Vitrified Clay Pipe	464.8
400966	341-371 Mowbray (Easement)	24	Vitrified Clay Pipe	276.4
401930	441 Mowbray Road (Easement)	24	Vitrified Clay Pipe	193

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
423705	520 N. Arlington (Easement)	18	Unknown	302.1
426195	520 N. Arlington (Easement)	18	Vitrified Clay Pipe	357.6
426193	600 Earl St (Easement)	36	Vitrified Clay Pipe	45.4
367547	600 Earl St (Easement)	54	Brick	370.1
741081	1931 Gregg Rd (Easement)	15	Vitrified Clay Pipe	207.3
741082	1931 Gregg Rd (Easement)	15	Vitrified Clay Pipe	207
741083	1920 Gregg Road (Easement)	18	Vitrified Clay Pipe	130.3
741084	1920 S.Gregg Rd (Easement)	18	Vitrified Clay Pipe	348
741085	2029 S Plaza Dr - 1920 Gregg Ave (Easement)	18	Vitrified Clay Pipe	630.6
741086	2011-2025 Plaza Dr (Easement)	18	Vitrified Clay Pipe	282.8
741097	2021 S. Plaza Drive (easement)	8	Vitrified Clay Pipe	8.7
741093	1951 S. Gregg Ave (Easement)	8	Vitrified Clay Pipe	6.1
741094	1951 S. Gregg Ave (Easement)	8	Vitrified Clay Pipe	6.7

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
741095	1951 S. Gregg Ave (Easement)	8	Vitrified Clay Pipe	18.9
741096	1920 S. Gregg Ave (Easement)	8	Vitrified Clay Pipe	6.4
411847	1655 S Main St (Bridgestone Headquarters Complex)	8	Vitrified Clay Pipe	201.1
419991	1655 S Main St (Bridgestone Headquarters Complex)	8	Vitrified Clay Pipe	258.4
413200	1746 Marigold Ave. (Easement)	8	Vitrified Clay Pipe	318.1
435801	783-807 Waterloo Rd.	8	Vitrified Clay Pipe	262.2
433983	1400 S. Arlington St (Easement)	12	Vitrified Clay Pipe	164.9
433935	1178 -1198 S. Arlington along E. Wilbeth Rd.	8	Vitrified Clay Pipe	244.5
425900	1200-1230 S. Arlington St.	10	Vitrified Clay Pipe	289.8
423588	68 W Exchange St	8	Unknown	138.7
427104	230 W Center St	8	Vitrified Clay Pipe	303.7
426086	S Main St at E Mill St	12	Vitrified Clay Pipe	314.3
426677	77 E Mill St	12	Vitrified Clay Pipe	51.9

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
413386	West of 102 Charles St (Easement)	8	Vitrified Clay Pipe	53.9
413389	West of 102 Charles St (Easement)	8	Vitrified Clay Pipe	44.9
429184	166 N Union Street	8	Vitrified Clay Pipe	430.6
729665	165 N Union Street	8	Vitrified Clay Pipe	37.1
369872	683 E Exchange Street	8	Vitrified Clay Pipe	300.8
425042	95 Arch Street	8	Vitrified Clay Pipe	50.2
431080	16 S. Arlington Street	8	Unknown	327.2
731330	16 S. Arlington Street	15	Unknown	91.2
426396	750 E Tallmadge Ave	8	Vitrified Clay Pipe	298.4
431028	1144 E Market St	8	Unknown	547.2
430045	60 Goodyear Blvd	8	Unknown	280.6
370294	241-293 Martha Ave (Easement)	15	Unknown	157.1
428006	1606 Newton St	8	Vitrified Clay Pipe	196.4
433584	2363 Bellfield Ave	8	Vitrified Clay Pipe	25.3

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
432069	2423 Mogadore Rd - 2350 Gilchrist Rd (Easement)	8	Vitrified Clay Pipe	96.5
430639	2942 Albrecht Ave	8	Vitrified Clay Pipe	351.2
516970	752 Abington Rd	8	Vitrified Clay Pipe	270.2
367602	47 E State St	8	Vitrified Clay Pipe	42.9
429058	1896 Buchholzer Blvd	15	Vitrified Clay Pipe	58.5
424260	294 S High St	6	Vitrified Clay Pipe	197.4
424262	272 S High St	6	Vitrified Clay Pipe	218.2
426687	1 S Main St	24	Vitrified Clay Pipe	24.3
366801	650 Parkdale - 1157 Laurel (Along Russel St)	24	Vitrified Clay Pipe	220.5
367367	73 College - 277 E Mill St	27	Brick Egg 27 x 18	589.8
368777	420 Lookout Ave (Easement)	27	Reinforced Concrete Pipe	332.6
368776	420 Lookout Ave (Easement)	27	Reinforced Concrete Pipe	20.7
746222	Canton Rd near I-76	33	Segmental Block	23.1
369727	1339 Techway Dr (Easement)	78	Brick	307.5

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
431911	1175 - 1259 Geo. Washington Blvd (Easement)	27	Vitrified Clay Pipe	289
431913	1175 - 1259 Geo. Washington Blvd (Easement)	27	Vitrified Clay Pipe	27
431915	1175 - 1259 Geo. Washington Blvd (Easement)	27	Vitrified Clay Pipe	339
431917	1175 - 1259 Geo. Washington Blvd (Easement)	27	Vitrified Clay Pipe	19.8
431919	1175 - 1259 Geo. Washington Blvd (Easement)	27	Vitrified Clay Pipe	116.1
453162	850 Cuyahoga St (Easement)	72	Reinforced Concrete Pipe	624.3
429967	2474 Triplett Blvd (Easement)	24	Vitrified Clay Pipe	110.4
429969	738 Canton Rd (Easement)	24	Vitrified Clay Pipe	416.2
429936	700 Shadybrook Dr (Easement)	33	Brick	275.2

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
729228	241 - 250 N Howard (Easement)	63	Brick	159.5
416075	1133 Taylor Street	8	Vitrified Clay Pipe	109.6
367096	404-382 Howe St	12	Vitrified Clay Pipe	332.7
411728	817 -847 Raymond St	6	Vitrified Clay Pipe	176.2
412378	382 - 970 Bartges Street	15	Vitrified Clay Pipe	434.9
366412	484 West Market Street	15	Vitrified Clay Pipe	9.2
424728	199 Bowery Street	6	Vitrified Clay Pipe	127.4
427096	244 W. Exchange St (located on Wabash Ave)	8	Vitrified Clay Pipe	231.8
429503	190 S. Maple Street	8	Vitrified Clay Pipe	16.6
422042	46 S. Valley Street	8	Vitrified Clay Pipe	206.2
427197	44 - 50 Bates Street	6	Vitrified Clay Pipe	233.6
427274	138 - 132 Shelby Avenue	8	Vitrified Clay Pipe	233.1
418591	273 Bellewood Avenue	6	Vitrified Clay Pipe	199
425307	40-48 S.Summit Street	8	Vitrified Clay Pipe	407.1
413384	38 Charles Street	8	Vitrified Clay Pipe	371.9

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
423403	44 - 76 York Street	8	Vitrified Clay Pipe	305
408843	446 Spicer Street	8	Vitrified Clay Pipe	199.7
403109	2829 Ridgewood Road	6	Vitrified Clay Pipe	24
407683	576 - 586 Inverness Road	8	Vitrified Clay Pipe	267.6
405834	222 N. Revere Road	8	Vitrified Clay Pipe	243.4
405655	1021 Saint Michaels Ave (Pump Station)	15	Vitrified Clay Pipe	49.6
402536	1913 Parkgate Avenue (Easement)	18	Vitrified Clay Pipe	310.9
407740	1009 Thorndale Drive	8	Vitrified Clay Pipe	144.1
407744	10150 Thorndale Drive	8	Vitrified Clay Pipe	28.4
402480	400 Kildare Road	15	Vitrified Clay Pipe	12.5
405244	1730 - 1702 Liberty Drive	8	Vitrified Clay Pipe	332
401538	915 Nome Ave - 916 Hawkins Avenue (Easement)	8	Vitrified Clay Pipe	241
408061	1454 - 1460 Delia Avenue	8	Vitrified Clay Pipe	326.6

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
407834	940 Thorndale Drive	8	Vitrified Clay Pipe	72.2
400868	1688 Dominion Drive	8	Vitrified Clay Pipe	114.2
410596	800 Newcastle Drive (Easement)	8	Vitrified Clay Pipe	312.2
401057	1508 Tiffany Circle (Easement)	12	Unknown	39.3
408336	1211 W. Market Street	10	Vitrified Clay Pipe	160.6
764924	1160 Winhurst Drive (Easement)	8	Vitrified Clay Pipe	351.9
405945	549 W. Market Street	8	Vitrified Clay Pipe	84.5
407098	630 - 608 W. Market Street	12	Vitrified Clay Pipe	463.8
406761	555-545 Royal Avenue (Easement)	8	Vitrified Clay Pipe	251.5
409155	633 Poulsen Spur (Easement)	12	Vitrified Clay Pipe	104.8
406555	660 Poulsen Spur (Easement)	12	Vitrified Clay Pipe	149.6
476361	130-79 Oviatt Place	8	Vitrified Clay Pipe	324.1
421854	200 W Market Street	12	Vitrified Clay Pipe	272.8

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
427233	200 W Market Street	12	Vitrified Clay Pipe	431.6
427338	324 W. Market Street	8	Vitrified Clay Pipe	394
427175	77 W. Market Street	12	Unknown	132.1
427237	164 - 174 W. Market Street	12	Unknown	205.1
427239	118 W Market Street	12	Unknown	320.7
427241	118 W Market Street	12	Unknown	283.3
422931	192 Division Street (Easement)	8	Vitrified Clay Pipe	225.4
522238	721 Hickory St (Towpath Trail Easement)	10	Vitrified Clay Pipe	9.4
410669	440-400 W Market Street	15	Vitrified Clay Pipe	487
522023	440 W Market Street	12	Reinforced Concrete Pipe	11
522201	474-460 W Market Street	15	Vitrified Clay Pipe	454.2
408980	285-255 Wyant Road (Easement)	8	Vitrified Clay Pipe	349.5
402355	270 Sand Run Road (Easement)	6	Vitrified Clay Pipe	150.6
762726	469 W Cedar St (located on Maple St)	10	Reinforced Concrete Pipe	151.9
414173	475 S High Street	18	Vitrified Clay Pipe	106.5

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
414805	475 S High Street	18	Vitrified Clay Pipe	305.4
414807	475 S High Street	18	Vitrified Clay Pipe	110.7
419530	451 S High Street	18	Vitrified Clay Pipe	121.8
419532	475 S High Street	18	Vitrified Clay Pipe	26
414443	East side of 285-283 S Main St (Maiden Lane Alley east side of buildings)	6	Vitrified Clay Pipe	211
426134	275-265 S Main St (Maiden Lane Alley east side of buildings)	6	Vitrified Clay Pipe	170.7
425016	207-171 S Main St (Alley east side of buildings)	8	Vitrified Clay Pipe	260.7
425019	207-171 S Main St (Alley east side of buildings)	8	Vitrified Clay Pipe	211.9
426061	137-121 S Main St (Alley east side of buildings)	8	Vitrified Clay Pipe	425.9
426090	121 S Main St (Alley east side of buildings)	8	Vitrified Clay Pipe	60.7

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
420729	480-552 Swartz Rd.	8	Vitrified Clay Pipe	315.8
727844	1318 Manchester Rd (located on Longview Ave)	8	Vitrified Clay Pipe	27.7
415500	558-572 Lakeview Ave	8	Vitrified Clay Pipe	287.9
403873	2076-2060 Manister Ct (Easement)	8	Vitrified Clay Pipe	347.4
747206	463-475 Beulah Ave	8	Vitrified Clay Pipe	323.9
420206	1770 Leighton Ave (Easement)	8	Vitrified Clay Pipe	256
415502	1917-1925 SW 6th St (Easement)	8	Vitrified Clay Pipe	71.3
410095	77 Leonard St	8	Vitrified Clay Pipe	25
411373	2462 SW 27th St	8	Vitrified Clay Pipe	111.7
419730	670-658 Arbutus Ct	8	Vitrified Clay Pipe	200.1
401575	367 Edgewood St	8	Vitrified Clay Pipe	385.5
415148	865 Princeton St	8	Vitrified Clay Pipe	144
366016	152 Carroll St	10	Vitrified Clay Pipe	16.5

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
435947	2845 Mineral Rights (Wheeling & Lake Erie RR yard along Roosevelt Ditch)	10	Vitrified Clay Pipe	199.9
432065	2844 Mineral rights (Easement north of I-76)	8	Vitrified Clay Pipe	187.8
522317	981 Rocky Ridge Rd	10	Vitrified Clay Pipe	27.1
476357	129 Oak Park Dr	8	Vitrified Clay Pipe	175.9
425485	142 Jesse Ave	8	Vitrified Clay Pipe	167.3
402563	691-675 Payne Ave	8	Vitrified Clay Pipe	259.6
403732	694-670 Crosby St	12	Vitrified Clay Pipe	351.2
476396	Archwood & Landon	24	Vitrified Clay Pipe	279.7
427537	190 N. Union Street (Easement)	8	Vitrified Clay Pipe	257.1
433466	133 S. Arlington Street	8	Vitrified Clay Pipe	42.2
499131	1155 Bruce Road	10	PVC	10.2
433243	1150 E. Waterloo Road	6	Vitrified Clay Pipe	46.7
432450	1480 E. Archwood Avenue	12	Vitrified Clay Pipe	224

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
424279	203 Hickory Street	8	Vitrified Clay Pipe	11
424281	203 Hickory Street	8	Vitrified Clay Pipe	115.8
427209	203 Hickory Street	8	Vitrified Clay Pipe	107
408654	200 Wyant Road	8	Unknown	209.9
422371	169 W. Bartges Street	12	Vitrified Clay Pipe	287.8
422373	169 W. Bartges Street	8	Vitrified Clay Pipe	16.6
416150	1200 Firestone Pkwy.	15	Vitrified Clay Pipe	287.6
421616	1200 Firestone Pkwy.	15	Vitrified Clay Pipe	113.9
438326	408 Wellington Avenue	18	Vitrified Clay Pipe	537.5
365541	165 N Case Avenue	18	Vitrified Clay Pipe	323.2
415892	41 S High Street	12	Vitrified Clay Pipe	254.4
436655	Interstate 76 / Route 8 Interchange (Easement)	8	Vitrified Clay Pipe	143.3
427541	287 Arch Street	8	Vitrified Clay Pipe	11.1
421804	342. Union Place	8	Vitrified Clay Pipe	70.2

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
423577	2207 Goodyear Boulevard	6	Vitrified Clay Pipe	146.4
415097	1220 Lakeshore Boulevard	8	Vitrified Clay Pipe	38.7
419492	374 Ira Avenue	8	Vitrified Clay Pipe	100.6
400933	193 Hyde Avenue	8	Vitrified Clay Pipe	214.2
410489	442 Bell Street	8	Vitrified Clay Pipe	152.8
406224	385 West Wood Place	8	Vitrified Clay Pipe	52.5
732087	787 Dayton Street (Easement)	15	Vitrified Clay Pipe	15.9
747622	39 S. Case Avenue	48	Segmental Block	40.7
745219	331 N. Howard Street	12	Unknown	73.2
745220	331 N. Howard Street	12	Unknown	10.6
425983	380 Turner Street	8	Unknown	164.1
522531	359 Turner Street	8	Vitrified Clay Pipe	39.4
425972	359 Turner Street	8	Unknown	162.9
522527	418 Butler Avenue	8	Vitrified Clay Pipe	41.8
729804	518 Gage Street	8	Vitrified Clay Pipe	8.7

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
419019	261 Thornton Street	8	Vitrified Clay Pipe	14.1
421754	1058 River Street	15	Unknown	883.5
423538	1140 River Street	15	Unknown	315.4
424356	1313 Onondago Avenue	8	Unknown	186
425081	38 S. Adams Street	6	Vitrified Clay Pipe	240.6
425169	491 Moody Street	8	Vitrified Clay Pipe	52
426740	75 Arch Street	8	Vitrified Clay Pipe	267.5
427468	249 Dayton Plaza	8	Unknown	172
430179	131 Innovation Way	8	Vitrified Clay Pipe	305.8
432862	15 S. Case Avenue	15	Vitrified Clay Pipe	200.4
436612	745 E. Market Street	8	Vitrified Clay Pipe	129.6
436854	182 Beaver Street	18	Unknown	339.2
438381	247 Annadale Avenue	8	Unknown	47.8
731818	385 Windsor Street	8	Vitrified Clay Pipe	67.1
366663	240 Carroll St (Easement)	12	Vitrified Clay Pipe	21.1
418985	240 Carroll St (Easement)	8	Vitrified Clay Pipe	40.5

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
423552	929 Johnston Street	8	Vitrified Clay Pipe	272.6
423990	300 W. Market Street	8	Vitrified Clay Pipe	338.2
413595	750 S. Main Street (Easement)	8	Vitrified Clay Pipe	406
424916	142 Aetna Street (Easement)	8	Vitrified Clay Pipe	57.1
424925	142 Aetna Street (Easement)	8	Vitrified Clay Pipe	33.7
436436	127 Goodyear Boulevard (Easement)	12	Vitrified Clay Pipe	297.5
436438	127 Goodyear Boulevard (Easement)	12	Vitrified Clay Pipe	263.7
436541	127 Goodyear Boulevard (Easement)	8	Cast Iron Pipe	86.4
436548	127 Goodyear Boulevard (Easement)	12	Vitrified Clay Pipe	303.9
403065	2552 Brice Road (Easement)	8	Unknown	123.5
401766	266 Foxwood Drive (Easement)	8	Vitrified Clay Pipe	105.7
402338	607 Reynolds Avenue (Easement)	8	Vitrified Clay Pipe	230.4

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
365486	289 Merriman Road	24	Vitrified Clay Pipe	22.1
404023	444 S. Maple Street	8	Unknown	199.8
409722	409 Silver Street	8	Vitrified Clay Pipe	208.5
426030	498 Cuyahoga St (Easement)	39	Vitrified Clay Pipe	49.2
413620	676 S Broadway St	8	Vitrified Clay Pipe	144.7
424623	135 Fir Hill	8	Vitrified Clay Pipe	114.1
432226	1175 George Washington Blvd (Easement)	8	Vitrified Clay Pipe	13.6
414126	151 Dartmore Ave	10	Vitrified Clay Pipe	21.2
764933	151 Dartmore Ave	10	Vitrified Clay Pipe	316.5
413393	3710 Manchester Rd	8	Vitrified Clay Pipe	29.4
400600	1230 Yukon Ave	8	Vitrified Clay Pipe	242.1
419444	531-611 South St	8	Vitrified Clay Pipe	146.4
419442	531-611 South St	8	Vitrified Clay Pipe	53.2
420450	462 Harvey St	8	Vitrified Clay Pipe	329.5
420454	462 Harvey St	8	Vitrified Clay Pipe	204

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
420380	2035 SW 6th St	8	Unknown	149
413922	490 Wingerter St	6	Vitrified Clay Pipe	110.2
413964	490 Wingerter St	10	Vitrified Clay Pipe	189.6
415738	1565 Rudd St	6	Vitrified Clay Pipe	86.4
368366	Ohio & Erie Canal Towpath Trail (Easement)	12	Vitrified Clay Pipe	83.9
368367	Ohio & Erie Canal Towpath Trail (Easement)	12	Vitrified Clay Pipe	94.6
731342	545 N Arlington St (Easement)	57	Brick	65.4
727717	545 N Arlington St (Easement)	54	Brick	142.1
368238	Highbridge Trail (Easement)	24	Segmental Block	9.8
368239	Highbridge Trail (Easement)	10	Vitrified Clay Pipe	19.8
427330	445 Memorial Pkwy (Easement)	15	Unknown	161.6
427327	445 Memorial Pkwy (Easement)	15	Unknown	68.3
763545	445 Memorial Pkwy (Easement)	15	Unknown	125.1

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
403248	2177 Ridgewood Rd	8	Vitrified Clay Pipe	33.9
402577	19 N Balch St	8	Vitrified Clay Pipe	252.9
415897	150 Furnace St	8	Vitrified Clay Pipe	296.7
423688	100 N High St	8	Vitrified Clay Pipe	208.2
426098	170 Locust St	8	Vitrified Clay Pipe	183.3
521926	139 Wills Ave	8	Vitrified Clay Pipe	210.3
426888	15 N Maple St	8	Vitrified Clay Pipe	379.5
429288	357 N Howard St	10	Vitrified Clay Pipe	65.4
415894	243 Furnace St	8	Vitrified Clay Pipe	249.6
423189	351 E North St	8	Vitrified Clay Pipe	171.8
425745	243 Furnace St	8	Vitrified Clay Pipe	158.3
429067	166 N Union St	8	Vitrified Clay Pipe	24.8
402628	1120 W Exchange St	6	Vitrified Clay Pipe	345.1
746760	27 Ridge St	12	PVC	34.3
401483	104 S Portage Path	8	Vitrified Clay Pipe	327.2
422924	121 N Walnut St	12	Vitrified Clay Pipe	277.4
427293	280 Rockwell Ct	8	Vitrified Clay Pipe	250.8

Color Key	Asset has been repaired and/or access provided. Cleaning and Inspection has been completed.			
	Asset determined to be private, abandoned, or didn't exist.			
Asset ID	Address	Sewer Size	Material	Segment Length (feet)
423899	89 N Main St	8	Unknown	148
763953	42 N High St	8	Unknown	75
763954	42 N High St	6	unknown	32.1
425267	355 S Union St	8	Vitrified Clay Pipe	308.2
410339	545 Stratford Ave	8	Vitrified Clay Pipe	68
423477	98 E Glenwood Ave	8	Vitrified Clay Pipe	492.7
425559	35 N Valley St	8	Unknown	402
421802	345 Union Pl	8	Vitrified Clay Pipe	108.5
428667	233 W North St	8	Unknown	180.6
423594	207 E Market St	8	Unknown	318.8
522027	98 Mount View Ave	8	Unknown	101.3
429259	224 W Exchange St	8	Vitrified Clay Pipe	53.3
429261	224 W Exchange St	12	Unknown	129
429165	224 W Exchange St	12	Unknown	320.9
409904	302 W Exchange St	12	Vitrified Clay Pipe	597.5

Table 3-1d Inaccessible Manholes Needing Inspection - Status Update (Table 3-1d from 2014 July – December Semi-Annual Report).

Color Key	Inspection has been completed	
	Asset determined to be private, abandoned, or didn't exist.	
Manhole Asset ID	GIS Underground Map	
287165	2210514	
288663	2285503	
288664	2285503	
289033	2300503	
289034	2300503	
288370	2270508	
289063	2300504	
302070	2435518	
302157	2450519	
302614	2540518	
304365	2435520	
309236	2465500	
309521	2495512	
310114	2540497	
310131	2540498	
310133	2540498	
310134	2540498	
310135	2540498	
310136	2540498	
310918	2570510	
311147	2585510	
311148	2585510	
311356	2600511	
301483	2390518	
304369	2435521	
741012	2450495	
741014	2450495	
741015	2450495	

Color Key	Inspection has been completed	
	Asset determined to be private, abandoned, or didn't exist.	
Manhole Asset ID	GIS Underground Map	
741016	2435495	
309015	2480494	
289138	2300506	
291562	2285514	
289190	2300508	
289203	2300509	
289534	2315513	
294650	2135531	
294976	2135528	
294978	2135528	
298315	2315518	
289418	2315504	
289436	2315505	
289091	2300505	
289409	2315503	
289410	2315503	
298505	2330518	
299371	2345520	
303411	2360529	
299427	2345527	
299410	2345528	
303334	2360519	
300898	2360519	
288949	2300499	
289828	2345501	
290287	2360505	
290781	2375513	
301521	2390519	
301290	2375519	
301293	2375519	

Color Key	Inspection has been completed	
	Asset determined to be private, abandoned, or didn't exist.	
Manhole Asset ID	GIS Underground Map	
301294	2375519	
301287	2375519	
301270	2375518	
521965	2360517	
301304	2375520	
301377	2375525	
302010	2420518	
309464	2495509	
301481	2390518	
309610	2510504	
309520	2495512	
309526	2495512	
309519	2495512	
312728	2495513	
308844	2450514	
304769	2465518	
309704	2510511	
762724	2330518	
301198	2375515	
288713	2285504	
289997	2345512	
293440	2255532	
295607	2195539	
296992	2255531	
302765	2525520	
304891	2465528	
310380	2555494	
302415	2495520	
296569	2240531	
297444	2270533	

Color Key	Inspection has been completed	
	Asset determined to be private, abandoned, or didn't exist.	
Manhole Asset ID	GIS Underground Map	
309465	2495509	
302309	2465530	
742983	2345539	
742982	2330539	
297439	2270533	
310378	2555494	
297004	2255531	
297470	2270536	
289127	2300506	
289871	2345505	
287201	2225500	
287529	2255501	
290771	2375512	
291228	2405496	
301306	2375520	
303601	2390529	
304151	2420525	
291533	2405514	
297358	2270530	
308209	2420500	
291231	2405496	
307610	2420497	
298750	2345518	
291806	2330514	
309705	2510511	
312758	2495514	
302938	2540516	
308633	2435510	
308180	2420499	
302044	2435516	

Color Key	Inspection has been completed	
	Asset determined to be private, abandoned, or didn't exist.	
Manhole Asset ID	GIS Underground Map	
303675	2390518	
763564	2525509	
764413	2225528	
764794	2570513	
290347	2360508	
302766	2525520	
289648	2330507	
304970	2495526	

3.A List of all SSO and CSS Releases During Reporting Period

Appendix D provides a list of SSOs and CSS Releases, including Building/Property Backups, during the reporting period.

3.B System Inspection

Table 3-2 provides the number of miles and percent of system inspected during the reporting period.

3.C Manhole Inspection

Table 3-3 provides the number and percent of manholes inspected during the reporting period.

3.D System Cleaning

The number of miles and percent of system cleaned during the reporting period is provided in Table 3-4.

3.E List of Defects

The comprehensive list of defects identified in Akron's system, identifying acute defects, and a schedule to repair the defects (including date repaired if the defect has already been repaired) are included in Appendices E and F.

Table 3-2 System Inspection

Period	Current Reporting Period		Previous Year		Previous Five Years		Accumulative Totals	
	Miles Inspected	Percentage Inspected	Miles Inspected	Percentage Inspected	Miles Inspected	Percentage Inspected	Miles Inspected	Percentage Inspected
July 1 – December 31, 2015	139.1	16.4*	63.5	7.5*	63.5	7.5	202.6	23.9*

*Based on 847.3 miles in system

Table 3-3 Manhole Inspection

Period	Current Reporting Period		Previous Year		Previous Five Years		Accumulative Totals	
	Manholes Inspected	Percentage Inspected	Manholes Inspected	Percentage Inspected	Manholes Inspected	Percentage Inspected	Manholes Inspected	Percentage Inspected
July 1 – December 31, 2015	3,228	17.1*	1699	9.0*	1699	9.0*	4,927	26.1*

*Based on 18,849 manholes in system

Table 3-4 System Cleaning

Period	Current Reporting Period		Previous Year		Previous Five Years		Accumulative Totals	
	Miles of System Cleaned	Percentage of System Cleaned	Miles of System Cleaned	Percentage of System Cleaned	Miles of System Cleaned	Percentage of System Cleaned	Miles of System Cleaned	Percentage Cleaned
July 1 – December 31, 2015	139.1	16.4*	63.5	7.5*	63.5	7.5	202.6	23.9*

*Based on 847.3 miles in system

3.F Maintenance and Training Activities

- A. Pump station and force main preventive maintenance activities were conducted in accordance with Item 2.E of the approved CMOM program.
- B. 3228 manholes were inspected during the period beginning July 1 through December 31, 2015, and 51 were documented to have signs of heavy infiltration.
- C. The following sewer construction and rehabilitation projects were completed or are on-going within the City of Akron during the reporting period:
- a) Retention Tank No. 2 Rehabilitation (File 2009-004-00)
 - Constructed 60 LF of 12" HOBAS pipe sanitary sewer.
 - Constructed 30 LF of 18" HOBAS pipe sanitary sewer.
 - Constructed 835 LF of 24" HOBAS pipe sanitary sewer.
 - Constructed 60 LF of 36" HOBAS pipe sanitary sewer.
 - Constructed 198 LF of 42" HOBAS pipe sanitary sewer.
 - Constructed 309 LF of 78" HOBAS pipe sanitary sewer.
 - Constructed 408 LF of 84" HOBAS pipe sanitary sewer.
 - Constructed 25 LF of 10" DIP force main.
 - b) Sanitary Sewer Reconstruction 2015 (File 2015-010-00)
 - Reconstructed 682 LF of 6-inch sanitary sewer.
 - Reconstructed 2,472 LF of 8-inch sanitary sewer.
 - Reconstructed 36 LF of 10-inch sanitary sewer.
 - Reconstructed 174 LF of 12-inch sanitary sewer.
 - Reconstructed 105 LF of 15-inch sanitary sewer.
 - Reconstructed 322 LF of 18-inch sanitary sewer.
 - Reconstructed 161 LF of 24-inch sanitary sewer.
 - Reconstructed 140 LF of 72-inch sanitary sewer.
 - Constructed 59 new manholes.
 - Adjusted 48 manholes.
 - Rehabilitated 7 manholes.
 - Rehabilitated 25 LF of 45-inch sewer pipe with shotcrete.
 - Rehabilitated 40 LF of 48-inch sewer pipe with shotcrete.
 - c) Mud Run Pump Station and Storage Basin Improvements (File 2012-048-05)
 - Constructed 560 LF of 36-inch HOBAS pipe.
 - Constructed two new manholes.
 - d) OCIT Lining Protection of LCI (File 2012-001-07)
 - Reconstruction by slip-lining existing brick sewer with Hobas pipe 1165 LF.
 - Reconstruction of three manholes.
 - Rehabilitation of five manholes with spray lining.
 - Construction of two new manholes.
 - e) Sanitary Sewer Reconstruction 2014, Phase II (File 2014-012-00)
 - Reconstructed 1410 LF of existing 8-inch sanitary sewer by CIPP method.
 - Reconstructed 615 LF of existing 12-inch sanitary sewer by CIPP method.

Reconstructed 315 LF of existing 20-inch sanitary sewer by CIPP method.

- Reconstructed 365 LF of existing 24-inch sanitary sewer by CIPP method.
 - Adjusted five manholes to grade.
 - Abandoned one manhole.
 - Constructed three new manholes
 - Reconstructed 230 LF of 8-inch VCP sanitary sewer.
 - Reconstructed 20 LF of 12-inch VCP sanitary sewer.
 - Reconstructed 60 LF of 12-inch VCP sanitary sewer with HDPE pipe.
 - Reconstructed 290 LF of 10-inch VCP sanitary sewer.
 - Reconstructed 150 LF of 18-inch VCP sanitary sewer.
 - Reconstructed 20 LF of 20-inch VCP sanitary sewer.
 - Reconstructed 15 LF of 24-inch VCP sanitary sewer.
- f) Dan Street Sewer Separation (CSO Rack 13) (File 2012-060-00)
- Constructed 348 LF of 12" SDR 26 PVC pipe.
 - Constructed three new manholes.
- g) Wilbeth Road (Dallas to I77) (File 2009-029-00)
- Reconstruction of existing 10" VCP sanitary sewer - 30.5LF
- h) CSO Rack 12 Storage Basin (File 2012-066-00)
- Constructed 255 LF of 8-inch SDR 26 sanitary sewer.
 - Constructed one concrete precast sanitary manhole.
 - Reconstructed one existing sanitary manhole.
- i) Mud Run District Capacity Improvements (File 2012-048-06)
- Constructed 1,013.5 LF of 24-inch sanitary sewer.
 - Constructed 1,779.6 LF of 18-inch sanitary sewer.
 - Constructed 73 LF of 8-inch sanitary sewer.
 - Reconstructed five existing sanitary sewer manholes.
 - Constructed 13 new sanitary sewer manholes.

D. Root control program activities were conducted in accordance with Item 2.K of the approved CMOM program. The Root List, part of the overall Trouble Spot List, requires more frequent attention than the system wide maintenance activities. The City's approach is to inspect each of these root list locations on a modified schedule, and provide cleaning only when it is determined those pipes are in need of maintenance.

In July 2013, the City of Akron contracted with Duke's Root Control Incorporated to conduct a pilot chemical root control program for sanitary sewer assets 402255, 402456, 406262, 418222, 432377, and 435635. In July 2014, an inspection of these lines revealed root growth. These inspection results were given to the contractor that performed the process and these lines were retreated in September 2014. Subsequent inspections of the September 2014 treatment revealed slower root growth than the original treatment. The September 2015 inspection continued to show slower root growth in all but one asset, asset 435635, which Duke's Root Control plans to schedule another application for this asset in 2016. The City will continue to monitor these assets with Duke's Root Control in order to evaluate the results of this program to determine if it is more effective and economical to use this approach versus mechanical cutting, performed by in-house crews, thereby freeing up resources to perform other proactive, system work.

- E. Training activities were conducted on the following topics. Date of training and number of employees receiving training are indicated in Table 3-6.

Table 3-6 Training Activities

Date	Course Title/Description	Number of Employees Trained
7/13, 7/14/, 7/15, 7/16, 7/17/2015	Backing Safely	45
8/10, 8/11, 8/12, 8/13, 8/14, 8/18/2015	Back Safety	41
9/9, 9/10, 9/11, 9/13, 9/14/2015	Musculoskeletal Injuries	37
10/6/2015	8 HR Excavation Competent Person	9
10/8/2015	4 HR Excavation Competent Person	6
10/5, 10/7, 10/8, 10/9/2015	Safety First – Night Work	3
11/6, 11/9, 11/10, 11/13, 11/16/2015	Seasonal Safety	38
11/19, 11/20, 12/2/2015	Snow & Ice Training (Refresher and Full)	42
11/25, 12/11/2015	Fork Lift Training	15
12/2/2015	PW Tech Screen Training (CSO Rack 15)	7
12/16/2015	Fork Lift Awareness	10

3.G Grease Control Program

In accordance with Grease Control provisions in the approved CMOM program, this program includes inspection and/or cleaning of the known trouble spots on what was previously called the “Speed Rodder List.”

3.G.1 List of SSOs and CSS Releases Caused by Fats, Oils, and Grease (FOG)

Table 3-7 Releases Caused by Fats, Oils and Grease

Date	Location	Type of Release (SSO, Rack, Property backup)	Add to FOG Trouble Spot List
11/10/2015	417 Dayton	Property Backup	Yes

3.G.2 List of FOG Trouble Spots

A complete list of FOG Trouble Spots inspected and/or cleaned during the reporting period is included in Appendix G.

As stated in previous semi-annual reports, to optimize the current schedule for the cleaning of locations suspected to have recurring grease accumulation, in 2013, the City began the CCTV inspection of each grease location on or around the next scheduled cleaning cycle to determine if significant grease accumulation has occurred. Based on the findings of the CCTV inspection, the frequency of cleaning at each grease location is adjusted accordingly. With the improvements initiated to control FOG at the source, it is anticipated that scheduled cleaning will be less efficient than periodic inspection, and cleaning only when needed.

3.G.3 FOG Education Efforts Undertaken During Reporting Period

The following educational efforts were undertaken and completed during the reporting period:

- A. The City of Akron CSO Program Team developed a CSO Website (<http://akronwaterwaysrenewed.com>) which includes a FOG page (<http://akronwaterwaysrenewed.com/cso/fog-awareness/>) identifying the effects of fats, oils, and grease discharged into the sewer system and things property owners can do to prevent aforementioned discharges. The website has a “hit-counter” to quantify the number of people who have visited the site. As of December 31, 2015, there have been 1,268 hits to the website.
- B. The City of Akron mailed an educational brochure with the October monthly sewer bill, titled “Sewer Trouble or Questions”, among the topics covered was that of the proper handling of fats, oils, and grease (see Appendix C).

3.H Annual CMOM Program Reviews

As done in previous years, annual reviews of the City of Akron’s current CMOM Plan, SORNP, and the Sewer System O&M Manual were conducted. For the 2015 Reviews, no changes were required to either the CMOM Plan or SORNP documents. The O&M Manual was updated with minor changes.

Section 4: Mud Run Pump Station

4.A Status of Mud Run Study and Report of Findings

Status of Study and Report of Findings	No activity during this reporting period. The Report of Findings was submitted to USEPA on January 15, 2012.
Date of Report Completion	No activity during this reporting period. Report of Findings submitted on January 15, 2012, per the Consent Decree.
Project Cost Incurred During Reporting Period	Report complete. No costs incurred during the reporting period.

4.B Status of Mud Run Pump Station Remedial Report

Status of Remedial Report	The Remedial Report is complete.
Date of Report Completion	The Remedial Report was completed on October 15, 2012. Additional comments were received after completion and were included in the revised Remedial Report submitted on August 13, 2013. Final written approval dated February 26, 2014 was received via email on March 3, 2014.
Project Cost Incurred During Reporting Period	Report complete. No costs incurred during the reporting period.

4.C Status of Mud Run Pump Station Design and Construction of Projects

Projects Status	Table 4-1 shows the current status of the Mud Run Pump Station design projects. Table 4-2 shows the current status of the Mud Run Pump Station construction projects.
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Table 4-1 Status of Mud Run Pump Station Design Projects

Project	Status
Mud Run Trunk Sewer Lining	Design complete
Sevilla Trunk Sewer Reconstruction	Design 80% complete
Mud Run Pump Station Improvements	Design complete
Mud Run Storage Basin Improvements	Design complete
Mud Run District Capacity Improvements	Design complete
Mud Run District Infiltration/Inflow Improvements	Design complete

**Table 4-2 Status of Mud Run Pump Station
Construction Projects**

Project	Status
Mud Run Trunk Sewer Lining	Construction complete
Sevilla Trunk Sewer Reconstruction	Bid Spring 2016
Mud Run Pump Station and Storage Basin Improvements***	Construction 85% complete
Mud Run District Capacity Improvements***	Construction 100% complete
Mud Run District I/I Repairs	NTP will be sent out Jan, 2016
Mud Run District I/I Rehabilitation	NTP will be sent out Jan, 2016
NOTE: *** projects indicate those required for CD compliance.	

The Mud Run Pump Station and Storage Basin project continued throughout the second half of 2015. Concrete construction of the Basin continued and was completed, with details such as instrumentation wiring and Tipping Bucket installation during the second half of 2015. Sheet piling and excavation for the new Pump Station was completed in June and July and in August complete temporary bypass began via exterior temporary diesel driven bypass pumps. After full bypass began, the existing pump station was completely gutted of all pumps, pipes, and electrical and HVAC equipment and the new addition was constructed, including the above ground brick addition and re-roofing. The new pumps and piping has been installed including all new electrical and MCC, and a new exterior generator. Throughout the month of December Kenmore and subcontractors continued with final structural and piping details, electrical and communication connections, and equipment details, including O&M Manuals and beginning various start-ups and Owner trainings.

The Mud Run District Capacity Improvements project is complete. The completion date was October 14, 2015, for record an AFO certification memo for Mud Run District Capacity has been placed in Appendix A.

**Anticipated Date
of Report
Completion**

The Report of Findings was completed on January 15, 2012. The Remedial Report was submitted on August 13, 2013. Approval of the Remedial Report was issued on February 26, 2014. On October 31, 2014, a letter was issued by USEPA that agrees to extend the October 15, 2015 construction deadline set forth in paragraph 25 of the Consent Decree to January 8, 2016 in order to construct and achieve full operation of the projects approved under the Mud Run Pump Station Remedial Report. The projects marked with *** will require an Achievement of Full Operation date of January 8, 2016 to be in compliance with the Consent Decree. The other projects are not required

to be completed by January 8, 2016 since the anticipated I/I reductions were not used in determining the required storage basin capacity to meet the Consent Decree requirements.

**Project Cost
Incurred During
Reporting Period**

Project costs incurred during the reporting period were approximately
Mud Run District Capacity Improvements - \$3,825,100.61
Mud Run Pump Station & Storage Basin - \$6,170,102.43

Final Draft #12

Section 5: Supplemental Environmental Project

The City's third and final payment to the Supplemental Environmental Project (SEP) escrow account was made during the January – July 2011 reporting period. No additional SEP payments are due; therefore no payments were made during the current reporting period.

Section 6: Other Necessary Information

Per the Integrated Plan (IP), modifications were submitted and approvals received for Rack 22, Rack 36 and Rack 5/7. The City will continue to work with regulatory agencies to reach agreement on future modifications.