

CITY OF WAUKESHA
CMOM COLLECTION SYSTEM PROGRESS REPORT
JANUARY 21, 2016

ACTIVITY	2015 ACCOMPLISHMENTS
SYSTEM INSPECTION / MAINTENANCE	
Gravity Sewers	
Sewer Televising	Televised approx. 247,000 LF. About 92% of system completed. Will complete entire City in 2016.
Sewer Rehabilitation / Replacement	Replaced mainline sewer and/or laterals in ROW for: <ul style="list-style-type: none"> - W Main St - Maple Ave - Rosemary Ave - Summit Ave (Phase 1) - S East Ave - School Dr & Hemit Ave - Big Bend Rd, Garfield, S East Ave - Grouted larger leaks at 12 select locations resulting in reduction of approx. 130 GPM of infiltration Total mainline replacement/lining: 4,793 LF Total lateral replacement/lining in ROW: 3,524 LF
Flow Monitoring	- Completed flow monitoring in Woodfield PS sewershed - Completed flow monitoring of Heyer Dr PS sewershed
Sewer Flushing	4 crews flush entire City annually.
System Investigation	Completed further smoke testing along Fox River to determine source of occasional fish at WWTP. Source not yet located.
Manholes	
Inspections	88% of system completed. Finish work in 2017.
Manhole Rehabilitation	- 163 cover replacements - 91 chimney replacements - 32 complete MH linings - 13 complete MH replacements - 15 invert rehabilitations
Chimney Seal Installation	Installed 105 seals.
Force Mains	
Ferrous Force Main Replacement	Replaced 2553 LF of Heyer Dr force main

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Pump Stations	
Pump Station Inspection	Weekly inspections completed.
Pump Station Rehabilitation	Hired consultant to design a prototype building to be used for future pump station rehabilitation projects. This will allow uniformity for construction and maintenance. Currently refining building specifics.
Pump Station Elimination	<ul style="list-style-type: none"> - Reviewed report by consultant for possible elimination of Summit Ave by combination with nearby stations. Tentatively slotted construction for 2020. - Began field work necessary for 2016 design of West Side Interceptor. The interceptor project would eliminate Greanmeadow & Woodfield pump stations. - Hired consultant to design gravity sewer from Milky Way PS to Heyer PS to eliminate Milky Way.
Pump Station Wet Well Cleaning	Performed cleaning at all stations.
Pump Station Maintenance	<ul style="list-style-type: none"> - Installed and tested UPS for power fail at various stations. - Replaced pumps, guide rails, other items. - Completed annual inspections and oil changes.
CAPACITY	
Peak Flow Reduction	<p>For 2015, the monthly average difference in WWTP influent versus Water Utility pumping was 2.230 MGD. This is lower than the historical (2005-2010) monthly difference of 3.375 MGD by 1.145 MGD.</p> <p>The precipitation for 2015 matched the historical yearly average (within 0.04 inches).</p>
COMMUNICATIONS	
Emergency Response Plan	No update necessary.
TRAINING	
Confined space entry	Completed classroom refresher training and entry practice training.
Manhole & Sewer Assessment	Sent sewer televising crew to 2015 Water & Wastewater Equipment, Treatment & Transport Show in Indianapolis.

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EQUIPMENT		
New equipment		Purchased smoke testing equipment
POLICY ISSUES		
Codes / Standards		
Update municipal codes to comply with CMOM goals		<ul style="list-style-type: none"> - Continued revisions to Chapter 29. - City Attorney's office reviewed revisions to Chapter 32. - Engineering staff continued complete rewrite of division's standard construction specifications.
Source Control		
Odor control		Additional odor complaints along E Moreland. Contacted odor consultant.
OTHER ACTIVITIES / PROJECTS		
Collection system integration into asset management system		Continued refinement of condition assessment scores generated for manholes to determine appropriateness.
TRACKING		
Service requests		Worked with asset management software provider to provide the ability of City residents to submit service requests via website, smart phone, etc. Service went live on July 8.