

**CITY OF WAUKESHA
 CMOM COLLECTION SYSTEM PROGRESS REPORT
 APRIL 4, 2019**

ACTIVITY	2018 ACCOMPLISHMENTS
SYSTEM INSPECTION / MAINTENANCE	
Gravity Sewers	
Sewer Televising	About 92% of system completed. Will complete entire City in 2019.
Sewer Flushing	4 crews flush entire City annually
Sewer Rehabilitation / Replacement	<p>Replaced/lined mainline sewer and/or laterals in ROW for:</p> <ul style="list-style-type: none"> - Pebble Valley Area Concrete Sewer Lining - South St / Gaspar St - Motor Ave / Fairview Ave - Northview Rd - E Main St - S Prairie Ave - S West Ave - N Grandview Blvd <p>Total mainline replacement/lining: 17,346 LF Total lateral replacement/lining in ROW: 3,085 LF</p> <p>Total mainline replacement/lining since 2011: 130,380 LF (24.7 miles)</p> <p>Total lateral replacement/lining in ROW since 2011: 23,786 LF (4.5 miles)</p>
Manholes	
Inspections	88% of system completed. Finish work in 2019.
Manhole Rehabilitation	<p>234 total manholes rehabilitated:</p> <ul style="list-style-type: none"> - 62 cover replacements - 74 chimney replacements - 185 complete MH linings - 12 complete MH replacements - 10 invert rehabilitations
Chimney Seal Installation	Installed 100 seals

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Force Mains	
Ferrous Force Main Replacement	Prep work for extensive 2019 work. 2011: 53,824 LF remaining 2018: 39,537 LF remaining
Inspections	Inspected all air relief valves
Pump Stations	
Pump Station Inspection	Weekly inspections completed
Pump Station Rehabilitation	<ul style="list-style-type: none"> - Completed design and bid out Milky Way, Springbrook, and Pearl St. - Installed valve vault drains at Tallgrass, Bluemound West, Silvernail, and Rivers Crossing
Pump Station Elimination	<ul style="list-style-type: none"> - Began construction of \$17M Greenmeadow / Woodfield interceptor sewer which will eliminate both the Greenmeadow and Woodfield pump stations in 2019. Project approximately 30% complete. - Hired consultant to design west-side pump station consolidation which was investigated back in 2015. Consolidation would eliminate, Coneview, Summit, and Fiddlers Creek PS.
Pump Station Wet Well Cleaning	Performed cleaning at all stations
Pump Station Maintenance	<ul style="list-style-type: none"> - Replaced pumps, guide rails, and other items - Oil changes and annual maintenance; wear parts
CAPACITY	
Peak Flow Reduction	<p>For 2018, the average monthly difference in Clean Water Plant (CWP) influent versus Water Utility pumping was 4.739 MGD. This is higher than the historical (2005-2010) monthly difference of 3.390 MGD by 1.349 MGD.</p> <p>The precipitation for the year was 7.73 inches below the historical annual total.</p> <p>Overall, the system continues to show a downward trend of I/I compared to the historical median I/I.</p>

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ACTIVITY	2018 ACCOMPLISHMENTS
TRAINING	
Confined space entry	Completed entry practice training
Manhole & Sewer Assessment	Televising sewer crews to refresher training
POLICY ISSUES	
Codes / Standards	
Update municipal codes to comply with CMOM goals	<p>Revisions to City ordinance Chapter 32 (Stormwater Management & Erosion Control) were approved by the Common Council, published, and put into effect.</p> <p>Published updated development handbook and construction specifications and implemented for 2019 development and construction projects.</p>
Source Control	
Odor control	Continue to see reduction in complaints. Only one logged.
TRACKING	
Service requests	City residents actively submitting service requests via website, smart phone, etc.