

Wastewater Collection / WW Plant

Item	Year to Date
Plant Maintenance	3
Lift Station Pump Maintenance	33
Plant Outside Service Projects	4
Lift Station Service	12
Residential Gravity Service - New	1
Residential Gravity Service - Renewal	11
Point Repairs - Main Line	12
Point Repair Force Service Line	7
Point Repair Force Main	1
Extension - Gravity Mains	0ft
Extension - Force Mains	20ft
Relay of Mains - All Types	0ft
CCTV - Main Lines	844ft
CCTV - Service Lines	0ft
Dye Testing	0ft
Smoke Testing - Mains	0ft
Smoke Testing - Services	0ft
De-root Main Lines	0ft
Abandon Service Connections	0
Sewer FORCE Main Cleaning	7100ft
Sewer GRAVITY Main Cleaning	158,970ft
Sewer GRAVITY Main Rodding	33,440ft
Sewer Overflow Cleanup	0
Maintenance Works	34
Contracted Projects	4
ID Stamping	0
Free to Customer - Back Flow 4" Preventors	2
MH - Manhole Install	0
Manhole C/O Install	3
Maintenance - Raise to grade	0
Maintenance - Raise above	6
Maintenance - Lower grade	0
Maintenance - Rehab	0
Maintenance - Repairs	1
Maintenance - MH Cleaning	315
Residential Pump Station Installed	1
Residential Pump Diagnostic Checks	18
Residential Pump Repair	11
Residential Pump Service line installation	123'

Wastewater Operations

Item	Year to Date	Combined
Inventory - plant chemical	\$9,962.00	
Inventory - collection	\$4,973.64	\$23,145.61
ADEQ SSO Reports	19	
Sewer Overflows in Gallons	1,749,990	
Work Orders Completed	94	
Non Work orders Completed	45	
	139 work orders	

2016 Notes:

1) **Major Point Repair**

This year, we found a major defect in one of our trunk mains. The pipe size OD was an 18". There was a severe root intrusion that was the thickness of the pipe x 3' in length. We replaced 15' of sewer main. This restriction, I believe, was a major cause of our backup during heavy rains. SSO's have deminished to almost none after this repair.

2) **City Park - Lift Station - Hwy 270 (MLK Blvd.) - Cost: \$45,000 +/-**

The city park lift station undertook a major overhaul. We are still using the original wet well but replaced the pumping system, control panel, and built a building that covers the area. The pumps are not on scada but are now scada ready. On this project, we spent approximately \$45,000 plus/minus. The new system is up to date and will give us many years of good service with no SSO's from pump failure.

3) **Engineer Study - Wastewater Plant / Collection Master Plan Cost: \$40,000**

The Malvern Water Works had Crist Engineers conduct a study. From that study, they gave the City of Malvern a wastewater plant/collection master plan to follow.