



Department Report

Report Title: Water & Wastewater Treatment Department Report January 2024

Report Highlight: With the first extreme cold temperatures that hit us this month, it seems the employees did a great job in weather proofing the vulnerable areas. Both facilities handled the single digit temperatures without any major damages occurring to City property. We didn't lose power at the lift stations like last year's event. There has been a lot of high dollar repair items that have raised their ugly heads but that is nothing new to every system in the state that has aging infrastructure. Operators are doing their best to be as efficient as they can to ensure they are getting the longest life span out of the equipment. Sometimes with even the best operation and maintenance practices used, unexpected repairs can pile up in a hurry. It seems that products just are not lasting as long as they use to.

Name and Title: John Jarrard, Water/Wastewater Treatment Director

Recently Completed

- Replaced float in the High School Lift Station
- Pre and Post Chlorine Line repairs at WTP
- Calibrated In-line Turbidity Meters
- Installed new level sensor and low-level float at Barlow Lift Station
- Load Tested Koyo Lift Station Generator
- Replaced DO probe in WWTP lab
- Replaced In-Line pH probe on Effluent basin at WWTP
- Replaced sump pump in raw water pit
- Installed surge protection at Barlow Lift Station
- Graveled road to Kenimore Lift Station

Underway:

- Replacement of propeller on SBR #2 Mixers
- Repairs to DO probe and controller on SBR #2
- Air Compressor #2 repairs to fan motor
- Repairs to wiring on both mixers in SBR Basin #2
- Caustic Tank valve repair at WWTP
- Replacement of impeller on Feed Pump C
- Repairs to Chlorine Tank #1 Effluent Valve
- Water Audit for Calendar Year 2023

Near Term:

- Updates to the Water Conservation Plan
- Kenimore Lift Station Rehab (In-house work)
- Air end rebuild to Compressor #2 at WTP
- Air Supply Line repair on Rack #3
- Interior cleaning and inspection of Upper Crown Mountain Tank and Clearwell