



Wastewater Department
December 2019

Department News

Heat pump number two is back in service providing heat to the preliminary treatment building and the lab radiant floor loops.

Monthly Activities

Treated **34,905,000** gallons of waste water
Largest daily flow was **1,496,000** gallons.
Average daily flow was **1,126,000** gallons.
Applied **210,000** gallons of Biosolids to the reed beds
Achieved a **97.7 %** Biochemical Oxygen Demand removal
Achieved a **97.3 %** Total Suspended Solids removal
Analyzed **505** wastewater samples in the cities state certified laboratory
34 samples submitted to Test America for testing.
Monthly safety check lists and departmental safety meeting completed.
Completed and submitted state Monthly Operating Report and the five industrial reports.
Daily collection of samples, performance of tests, calculate and record analysis results.

Nonscheduled Work Performed

Ken's Electric changed compressor number two in heat pump number two.
Met with Scott Davis (reed bed specialist), Lance and Vic to discuss options for corrective actions relating to the reed bed system.
Automatic System's replaced a I/O board in the supervisory control panel in the lab building.
They also checked blower number three VFD because it was alarming due to heat sink over temp.

Scheduled Work Performed

Decant water off storage tank.
Record temperatures and calibrate various lab equipment.
Perform preventative maintenance on all the various blowers, pumps, and process equipment.
Continue extra sampling required by permit to look for a constituent released in our effluent.
Attend City wide safety meeting.

Up Coming Projects

Clean out reed bed number one and two.