



Wastewater Department  
April 2020

### Department News

Meet the E. coli limit after last year having some problems doing so.  
New computer system operational with a punch list of bugs to be worked through.

### Monthly Activities

Treated **36,230,000** gallons of waste water  
Largest daily flow was **1,550,000** gallons.  
Average daily flow was **1,210,000** gallons.  
Applied **165,000** gallons of Biosolids to the reed beds  
Achieved a **97.2 %** Biochemical Oxygen Demand removal  
Achieved a **96.2 %** Total Suspended Solids removal  
Analyzed **509** wastewater samples in the cities state certified laboratory  
**47** 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

ASI (Bill) replaced power board in VFD #3 and SST.  
ASI (Chuck) working on new computer system punch list.  
Black Hawk Sprinkler inspected all back flow prevention devices.

### 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

Stream mixing zone study to be conducted when conditions allow.