

**Lafayette Water Works Plant**  
**Water Our Most Precious Resource**  
**October-22**

**Operations**

**Canal**

Operators tested chloramine and free ammonia for feed adjustments  
Cleaned ammonia and phosphate tank lids and cleaned feed pumps

**Glick Station**

Operators tested chloramine and free ammonia for feed adjustments  
Cleaned and calibrated analyzers  
Got Glick well #4 running and ongoing dosage testing and adjustments

**CPHSS**

Swept and mopped entire building

**Murdock Park**

Assisted Mason Private Locating with tracer lines for fence installation  
Met Mulhaupt's to troubleshoot smoke alarm issues  
Assisted Bowen with getting mowing responsibilities taken care of  
Assisted Bowen with building entry for bathroom partitions, etc.  
Assisted Biancaforri with building access for block repairs and patching  
Got with Bowen on GenSet fuel capacity and type  
Got with Bowen on low oil in vac priming pumps  
Assisted Engineering Dept. with access to building  
Got with Bowen on invoice from Mulhaupt's we shouldn't have received  
Met with Bowen/painters to coordinate building access for floor painting  
Showed operators how to change pump matrix to take station offline during painting  
Assisted Bowen with installing new lock cores and door spacing adjustments  
Collected and returned all temporary building keys to Bowen  
Worked with operator to get station running again after floor painting completion  
Got with Bowen on faulty VFD for pump #2

**Elevated Towers**

Cleaned and calibrated Haggerty tower chlorine analyzer  
Assisted Frakes Engineering with questions about Wea Ridge project  
Setup Hach service visit for nitrate analyzer at Haggerty tower

**MISC**

Cleaned and organized system operator truck  
Deep reorganizing of project emails and decluttering  
Flushed 24" main feeding Dayton to pull fresher water that way, increase chlorine residual  
Assisted HWC with iron and manganese lab info and testing options  
Reached out to distributor about premature chlorine hose failure  
Came up with workaround solution to SCADA Historian server and Excel issues when doing MRO  
Had new operator get with IT on file saving issues on business PC  
Got with purchasing manager and distributor on ordering new chlorine hoses  
Meeting with Chief on operator schedules and 2023 budget items  
Moved all operators into their respective permanent shifts  
Got with Renew on disposing of ammonia floc after cleaning tanks  
Completed UCMR5 reporting setup with EPA and scheduled 2023 testing  
Reached out to Midco Diving for reservoir cleaning scheduling  
Completed contact form for ForceFlow for phosphate tank scale quote  
Completed contact form for Scaleton for phosphate tank scale quote  
Reached out to System-Scale for updated quote for phosphate tank scale  
Sent contact form to Summit Environmental Tech for UCMR5 testing quote  
Sent contact form to Pace Analytical for UCMR5 testing quote  
Meeting with Superintendent on various 2023 budget request items  
Worked with Maintenance staff to track down pvc check valves  
Assisted Chastain Engineering with firm capacity and 5 highest pumping days data  
Got with IT on SCADA Historian report and Excel registration issues  
Reached out to LivingWaters for phosphate tank scale quote  
Reached out to Frakes Engineering for pricing on 2023 SCADA work for budget request  
Completed and deployed new operations files with daily charting for 2022, 2023, and templates

**N/A After hours and weekend service request calls that are handled by our System Operators and On-Call**

**A**verage pumping: 11.7 mgd  
**M**aximum Pumping: 14.5 mgd  
**M**inimum Pumping: 10.2 mgd

## **Lab**

Monthly MRO report and Coliform report.  
Worked on SOP for UPS label printer.  
Collected & tested 70 distribution samples for TCR Report.  
Collected & tested 4 distribution Fluoride split samples for State NaF report.  
Made NaF Reagents.  
Lab and operations supplies ordered.  
Getting CL2 Total residual at Dayton Building.  
Calibrating lab equipment.

## **Maintenance**

### **Canal**

Cleaned all lines and the inside of the Ammonia day tank  
Work on ammonia pump  
Fixed outlet in Administration Building  
Repaired the chlorine 3/4 inch line  
Transplanting of plants in landscape beds  
Restocking of all Janitorial supplies  
Changed the hose in the phosphate pump Friday 10/7/22  
finished all landscape beds at the Canal plant  
went through tool ben in the inventory building  
All Maint. Employees completed Know B4 Training  
Used forced air to clear all exhaust lines in the furnace Admin. Building  
Adjust photo eye on North Gate  
Turned on boiler system for Winter in operations building  
Winterized all Wells in Canal Field (week)  
Completed tool inventory  
Cleaned the inside of the Maint. Trucks  
tightened all bolts on well #10 and adjust packing

### **Glick Station**

*The delivery of Blue Barrels to Glick pumping station*  
*Restocking of all janitorial supplies*  
*Prep to start well #4 Glick and get water samples*  
*Hooked up all cathodic wiring on wells 4 and 5*  
*Well #4 was put back on line, all test complete*  
*Adjusted photo eye on the North Gate*  
*Replace backflow device on the Oracle line*  
*Winterizing of all wells in the Glick Well Field (week)*

### **CPHSS**

*Closed all windows at Columbian park building*  
*Cleaned pump room*  
*Greased all pumps in pump room*

### **Water Towers**

Replaced Lighting on towers Plaza South  
Meet RAB Lighting Rep at Plaza South  
Tuned on all heaters in the Towers and pump buildings  
Replace a valve at Plaza South

### **MISC**

*Jim Foster completed 2 weeks of Flushing fire hydrants route 6*  
*Fire Extinguisher inspections (monthly)*  
*Boilers (weekly)*  
*Run Gensets (Weekly)*  
*Clean Operations Building (Weekly)*  
*Transfer of Fleet Vehicles (as requested)*  
*Cleaning of Flow Meter (as Needed)*  
Entry of the Caucus report (monthly)  
Checking all outer locations (daily)  
Collecting of the Aquafer Depth (weekly)  
Checking of oil in all Trucks (bi-weekly)  
Mowing of Canal property  
Menards return of warranty tools to be replaced  
Deliver Chemical waste to Renew  
Collected Gas can pricing for Chuck Reynolds

### Construction

Installed 9 New water Services  
Repaired 8 Broken water mains  
Performing Hydrant Maintenance after flushing  
Repaired 3 Meter pits  
Updated 5 water services to the main to remove lead service line  
Retired 2 water services to the main  
Repaired 1 water service hit by contractor  
Made 1-6" water tap  
Replaced 3 meter shut offs  
Performed 1-8" Hydro stop  
Cleaned and Sanitized breakroom/Organized work trucks/backhoes and dump trucks  
Safety meeting: Cold weather / History on the water department

Total Locates performed-1254, 52 were emergency calls.

### Water Facility Inspector

Assisted Customer Service  
Laserfishing / Munis  
Assisted Construction 4  
Worked on punch list  
Filled water mains  
Flushed 2 systems  
Fire Hydrant Inspections: 22  
Fire System/Retrieve information for UBO-2  
Reviewed prints  
Performed 10 bacteria tests  
52 site inspections  
Performed 3 meter pit / meter inspections  
Turn on: 13  
Hard Flush: 3  
Chlorination witnessed:  
Dechlorination witnessed: 2  
Hydrostatic test witnessed:  
PreCon/meeting (attended):1  
Turn off: 11  
Locate repair valve boxes: 3  
Well separation: 1

### Backflow Inspector

Performed 17 Inspections  
Continuing to update BSI-Online  
Assisted ACE Fire with annual sprinkler and backflow tests at Water Works locations  
Reviewed Prints  
Delivered 2 Letter to Test a backflow assembly  
Helped with the Fire Prevention Show  
Worked on cleaning up the backflow portion of Laser fiche  
Performed 1 Site Surveys

### Customer Service

Customer Service Field Techs responded to the following requests/services:  
Service Orders completed:1211  
Meters changed:66  
Dials changed:0  
Customer disconnected for non-payment:352