

**Lafayette Water Works Plant**  
**Water: Our Most Precious Resource**  
**March-22**

**Operations**

**Canal**

Changed out Clor-Tec water filters  
Worked with Maintenance on Canal fluoride pump grinding issue and Clor-Tec high voltage issues  
Got with Pelton Environmental on pump flanges order and Canal fluoride pump failure issues  
Worked with Maintenance on Canal fluoride pump failure troubleshooting  
Assisted Maintenance with setting up spare pump for Canal fluoride and configuring VFD  
Worked with Maintenance Foreman on taping off chem feed room floor with expected tank placements, etc.  
Got with IT on unauthorized access attempt on Canal SCADA  
Got with BL Anderson on replacement chlorine hose for Canal  
Meeting with Maintenance Foreman on on-site generator alarms and brine pump settings  
Reached out to DeNora Water Technologies on bellows pump replacement for Clor-Tec unit  
Got with Force Flow on Canal oracle scale weight capacity  
Figured out plan to take Canal oracle scale to Glick to replace faulty scale  
Measured dock doors to plan for tank removals and new tank entries

**Glick Station**

Operators ran tests on chlorine and ammonia after chlorine residual issue  
Meeting with operators on Glick fluoride residual issues  
Assisted Maintenance with Glick phosphate mixer repair, operators cleaned mixing tank  
Meeting with supervisors on Glick 1 issues, possibly swapping a smaller pump from Glick 4  
Assisted Maintenance with shutting down 30" main outside Glick for flushing each well  
Met with Maintenance and supervisors at Glick 2 during cla-val failure and back feeding problem  
Worked with Maintenance on cleaning out Glick ammonia day tank and zeroing scale  
Updated Glick Daily Field Sheet with new max tank weight for ammonia  
Meeting with Ortman Drilling and supervisors on interceptor well and Glick 4 work  
Flushed Glick 1, 3, and 4 through hydrant after Glick 2 back feeding issue and discoloration  
Meeting with Ortman Drilling and Chief on Glick well 4

**CPHSS**

**Elevated Towers**

Switched lead tower to Union St. due to overflow alarms

**MISC**

Completed Annual Report  
Got with distributor on new pump skid dimensions  
Meeting with lab operator on new IDEM MRO submittal rules  
Organized project emails  
Got with UBO Director on gallons sold for 2021  
Spoke with distributor on chemical feed upgrade project and planned onsite meeting  
Worked with purchasing manager on tank scale order and replacing faulty scale  
Got with GRW Engineers on tank ventilation sizes and requirements  
Spoke with Pelton Environmental about new pump sizing and gearbox possibilities

Sent Pelton Environmental pump serial numbers for planning new pump sizes  
Ongoing work with purchasing manager on chemical feed upgrade specs for getting quotes  
Meeting with Chief on possibility of having McCrometer service our flow meters  
Working with several individuals on info for IURC report  
Set up WW personnel filling in on evening shifts with access to service call log  
Working with Frakes Engineering on WIN911 mobile app setup for Foreman and Operator cell  
Prepared missing 2020 CCR report for administrative assistant  
Meeting with distributor on tank dimensions, plumbing ideas, etc. for chem feed upgrade  
Edited materials list spreadsheet with new tank dimensions  
Updated materials spreadsheet and edited out anything distributors won't be bidding on from drawings  
Completed February MRO and submitted to State  
Meeting with supervisors on future Annual Report procedures  
Worked on Maintenance file templates  
Worked with Chief and purchasing manager on Hach service agreement for nitrate analyzer  
Ongoing work on wall space measurements with proposed equipment for upgrade project  
Went through expected tank manufacturer's catalogues to see what will meet size specs  
Created wall space measurements drawing specifically for pump skid manufacturer  
Reached out to distributor for photos or ideas for transfer pump installations within containment  
Meeting with supervisors on Hach service agreement options  
Spoke with pump skid manufacturer about possible skid dimensions and space limitations  
Formatted and printed well pumping capacity charts for Ortman Drilling  
Sent detailed email to chem upgrade team including all info materials to be sent to distributors  
Planned for emergency ammonium sulfate delivery due to problems with main distributor  
Operator working on removing old ProMinent pump parts from inventory and adding new analyzer parts  
Meeting with ProMinent and HP Thompson on new chlorine and fluoride analyzer maintenance, etc  
Sent out materials list spreadsheet and dimensions drawings to distributors to quote new tanks, etc  
Completed 2021 CCR report and sent to UBO Director for delivery in billing statements  
Completed February Caucus Report  
Tested WIN911 alarms that weren't working and got with IT on resolving it  
Checked pump parts inventory and ordered new hoses, lubricant, flanges, etc.

**60+ After hours and weekend service request calls that are handled by our System Operators and On-Call personnel.**

**A**verage pumping: 9.9 mgd  
**M**aximum Pumping: 12.3 mgd  
**M**inimum Pumping: 8.8 mgd

**Lab**

Monthly MRO report.  
Monthly Total Coliform Report.  
Monthly CL2 Report.  
Collected & tested 70 distribution samples for TCR Report.  
Collected & tested 4 distribution Fluoride split samples for State NaF report.  
Reagents made.  
Updated software on SL-1000's lab meter.  
Helped Jay S with testing CL2 at different locations.  
P.O.E Annual Nitrates taken.  
Worked on ProMinent analyzer with operations.

## Maintenance

### **Canal**

Router out sink drain in men's restroom Admin. Building  
Replaced insulation on well #7  
Replaced GoJo soap dispenser  
Changed out Furnace filters  
Transfer Chemicals from Canal to Glick  
Well #1 uncoupled shaft from pump to test if slipping  
put Well #1 back together  
Changed oil in fluoride pump  
Switch out fluoride Pump at Canal  
Repair oracle line  
Replace vice on truck and put a vice on workbench in storage/work shed

### **Glick Station**

Cleaned flow meter weekly  
Replaced parts and put back on the air relief Glick #4  
Repaired Chlorine tank valve at Glick  
Changed out furnace filters  
Glick #1 Cleaned vault and bricks from around it due to flooding  
Prep vault at Glick #1 to install new diaphragm in clay valve  
Put clay valve back together Glick #1  
Flushed Well #1 to test it then had to turn it off  
Deliver softener salt to Glick Building  
Put Shaft to motor back on the mixing tank  
Fixed Ammonia tank it was back feeding  
Cleaned Ammonia day tank and refilled  
Analyzed Glick #2 blow out and possible repairs needed

### **CPHSS**

Remove security camera from Columbian park Building for repairs  
Cleaned restroom and lobby area  
Replaced coupler pump on boiler

### **Water Towers**

Clay valve inspections at Plaza South Tower and Fairgrounds tower  
Clay valve inspections at Haggerty Tower

### **MISC**

Assisted in getting quotes for LED lighting upgrade  
Checked all fire extinguishers at all locations and in Maintenance trucks  
Ran all Gensets weekly  
Cleaned Operations Building Weekly every Thursday  
Check all locations Daily  
Salt city streets due to snow  
Worked on gear box on spare pump  
Changed oil on all Pumps all locations  
Assisted Construction in Main Street dig up  
Tested Emergency lighting all locations  
put new bearings in spare pump

### **Construction**

Installed 16 New Services  
Repaired 1 Broken water main  
Repaired 1 Fire Hydrant and other Hydrant maintenance  
Updated 3 water services with copper and remove old lead service line  
Repaired 1 Meter shut off  
Made 3-1" taps and 1- 1 1/2" tap  
Hauled concrete from the old city golf course for parks department  
Working with Parks department on new restrooms at jenks rest  
Working on street cuts and dirt work after broken mains this last winter  
Cleaned and Sanitized breakroom/ organized work trucks, backhoes and dump trucks  
Safety Training for March: Confined Space Entry  
**Total Locates performed-885, 38 were emergency calls.**

### **Water Facility Inspector**

Attended 1 precon meetings.  
Filled Main Lines 1  
Check for leaks 3  
Locate Valves 4  
Worked on punch list.  
Fire Hydrant Inspection 7.  
Turn off 28  
Worked on fire system forms.  
Reviewed prints.  
Worked on cleaning up my job board.  
70 site inspections.  
Performed 5 meter pit /meter inspections.  
Turn on 28.  
Flush Mains 3  
Fire system / retrieve information for UBO  
Performed 4 Bacteria Test.  
Witnessed 1 Hydrostatic Test.  
Witnessed DE chlorinating 1  
Witnessed Chlorination2  
Assisted Customer Service.

### **Backflow Inspector**

Performed 2 Site Surveys  
Attended virtual meeting with IDEM to go over 327 IAC 8-10  
Performed 23 Inspections  
Continuing to update BSI-Online  
Assisted Ace Fire with the 20yr Sprinkler Head Inspections at 1020 Canal Rd.  
Covered Operations shifts  
Delivered 2 Letter to Test  
Cross-Trained In Operations for the morning mixing and data entry  
Worked on cleaning up the backflow portion of Laser fiche  
Updated MyGIS and Arc-Map

### **Customer Service**

Service Orders completed: 1180  
Meters changed: 85  
Dials changed:16  
Customers Disconnected for non-payment: 404