

## Lafayette Water Works Plant

Water Our Most Precious Resource

May-22

### Operations

#### **Canal**

Bought new flag and raised it at Canal  
Fixed broken clock in Operations office  
Worked with Lab Tech and Chief on clearing out unused lockers and assigning them to staff  
Put Canal Well #10 back into service and monitored alarm issues  
Worked with Environmental Labs on cleaning up their workspace and making better use of space in lab

#### **Glick Station**

Assisted with chlorine delivery at Glick  
Troubleshoot low chlorine residual issue  
Assisted Maints with bringing pallet of phosphate from Glick to Canal  
Operators assisted with cleaning flow meter

#### **Columbian Park Booster Station**

Troubleshoot faulty rack UPS at park and emailed IT  
Sent picture of UPS unit to IT and disconnected Ethernet cable to mitigate disruptive UPS notifications  
Assisted IT with access and replacing business PC

#### **Murdock Park Booster Station**

Foreman toured facility with Wessler Engineering project coordinator

#### **Elevated Towers**

Met Chief at Union tower and worked with Mulhaupts on faulty alarm keypad  
Worked with Maints on draining Union tower for interior surface covering work  
Shut Union tower drain valve and opened bypass to fill tower  
Trained Operators on Union tower altitude valve, piping, transducer, and SCADA  
Got with Mulhaupts on faulty alarm keypad and got it back online  
Meeting with Chief on future water tower painting and cleaning plans and procedures

#### **MISC**

Completed employee evaluations  
Got with purchasing manager on chemical ordering info from 2017 to present  
Checked chemical stock at both treatment plants for reordering  
Assisted construction foreman with bleach for water main disinfection  
Formatted chemical info spreadsheet, CCR's, and WQR reports 16'-present  
Completed April MRO and submitted to State  
Sent reservoir cleaning quotes to Asst. Superintendent for review and sign contract  
Sent signed contract to Midco Diving and Marine for cleaning reservoir  
Got with Midco and Maints on distances for bringing enough discharge hose  
Followed up with distributor on tank quote progress  
Followed up with Frakes Engineering on Maints Foreman WIN911 mobile notification issues  
Sent chemical feed project quotes to purchasing manager for review  
Spoke with distributor on titanium flange specs on new tanks for Canal  
Worked with purchasing manager on ordering of new chemical feed tanks  
Assisted purchasing manager with a dumped pallet of light pole bolts in staging area  
Meeting with Pelton Environmental on chemical feed pump gearboxes  
Got Total Connect 2.0 mobile app access working for operators and foreman  
Checked chemical stock and got with purchasing manager on ordering more  
Followed up with Liquid Engineering on reservoir cleaning quote process  
Followed up with US Underwater Services on reservoir cleaning quote process  
Responded to customer questions about neti pot usage and bacteria in water  
Working with Pelton Environmental on pump gearbox sizing and new pump sizing  
Compiled documentation and emails on May 2021 bacteria sampling for IDEM  
Got with distributor on getting order made for new chemical feed tanks  
Requested quote from distributor on 4 new sodium fluoride and phosphate pumps for Canal  
Interviewed two applicants for System Operator job opening  
New System Operator trained on Tyler-Munis and various Operations tasks  
Foreman worked evening shift with new employee to train on service work and System Operator duties

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

**A**verage pumping: 10.2 mgd

**M**aximum Pumping: 11.2 mgd

**M**inimum Pumping: 9.2 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.  
POE annual VOC'S done.  
Second quarter TTHM/HAA5 done.  
Ordered Naf sample kits from state.  
Working on upcoming lead and copper samples.

## **Maintenance**

### **Canal**

Replace exterior lighting on operations building to LED  
Change lighting on Well #7 to LED  
Repair concrete in front of Administration building  
Disconnected electrical for well #6 Prep for removing motor  
Disconnect electrical from Well #1 prep to remove motor  
The removal of Motors from wells #6 and #1  
Reset motor on well #1 Connected all electrical  
Repaired leak in Oracle Line

### **Glick Station**

Repair stir prop. In phosphate day tank  
Replace chlorine scale on day tank  
Dig out and prep well #4 for concrete footers (2 day event )  
Replaced lighting on well #1, #2, #3, #4, #5, and #10 to LED  
De-winterized well #1 #2,#3,#4, #5, #7 and #8  
Check the windings on well #6  
Replace clay valve on well #4 (multi day Task)  
Haul rock to Well #2 around vault  
New eyewash station installed  
Take pallets from Canal to Glick for Operations  
Clean Flow Meter (As requested by supervisors)

### **CPHSS**

Pick up hoist from park  
Repair leaks on rooftop on building  
Opened gate at reservoir for the mowers  
Repair fencing around reservoir and Gate adjustments (2 day event multi repairs)  
Work on Air conditioner  
Open windows in pump room  
Repaired Screen on reservoir door  
Troubleshoot Alarm system on reservoir

### **Water Towers**

Mow all towers  
Drain Plaza south tower for Painting  
Remove chain and replace with padlock on tower

### **MISC**

Revamp trailer layout for overboard trailer  
Build hose platform for overboard trailer  
Clean Operations building every Thursday morning (Weekly)  
Run Gensets every Friday (weekly)  
Completed Fire Extinguishers checks (monthly)  
Boiler checks (Weekly)  
Transfer Chemicals from Glick to Canal  
Clean trucks  
Check locations (Daily)  
Mowing Multi locations  
Yearly Fire Extinguishers inspections (Ace Fire)  
Escort Ace Fire to all locations for Fire Ext. yearly inspections  
Stock all restrooms all locations  
Picked up vehicles from Fleet after repairs  
Picked up empty Chlorine buckets from park  
Complete Monthly for previous month

### **Construction**

Installed 28 New water services  
Repaired 4 Broken water mains  
Updated 2 Water services to the main to remove lead service lines  
Retired 3 lead service lines to the main  
Repaired 2 service lines  
Made 2 new service taps  
Still working on repairing streets and yard after broken mains this last winter  
Cleaning and Sanitizing breakroom/ Organize work trucks, backhoes and dump trucks  
Safety Training for May : Slips, Trips and Falls

**Total Locates performed-1354, 39 were emergency calls.**

### **Water Facility Inspector**

Assisted Customer Service- 0  
Attended Precon meetings-1  
Cleaned up Job Board  
Bacteria Test 16  
Chlorination witnessed-3  
Dechlorination-2  
Filled Main / Line 2  
Fire Hydrant Inspection 11  
Flushed Mains 9  
Hard Flush-3  
Hydro-static test witnessed-2  
Performed meter pit / meter inspections-9  
Check for leaks  
Reviewed Prints  
Site inspections-37  
Turn on -25  
Turn off-12  
Worked on fire system for UBO

### **Backflow Inspector**

Performed 2 Site Surveys  
Performed 27 Inspections  
Continuing to update BSI-Online  
Delivered 1 Letter to Install a backflow assembly  
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  
Assisted Cargill with a large plant water shut down  
Assisted Wabash National main plant with their Fire and Domestic water systems mapping and configuration

### **Customer Service**

Customer Service Field Techs responded to the following requests/services:  
Service orders completed: 1295  
Meters changed: 218  
Dials replaced: 1  
Customers disconnected for non-payment: 279