

Lafayette Water Works Plant
Water Our Most Precious Resource
October-23

Operations

Canal

Assisted Frakes Engineering with finishing pump relay project
Looked back into historical 24hr flow data for Glick to find peak flow days across 20yrs
Operators slowly adjusted fluoride and phosphate pumps after higher rpm pumps installed
Notified De Nora that we consider Clor-Tec system to be emergency and to speed up service scheduling
Troubleshoot radar sensors on phosphate and oracle tanks
Operators watched and assisted with chlorine hose changeout, cross training
Reached out to GRW and HWC engineering for information on reinforced concrete weight limit in chlorine room
Reached out to Plas-Tanks for info on chlorine storage tank and chemical concentration compatibility
All day meeting with service tech from De Nora to assess Clor-Tec system and needed repairs
Assisted with salt delivery
Planned flow management and draining of chlorine tank for repairs/gasket replacements
Looked up bolt torque ratings for chlorine tank gasket replacements, added label to tank for future gasket replacements
Staff stayed over managing reservoir levels, tower levels, etc. after having Canal off all day for repairs

Glick Station

Assisted Maints with SCADA while they worked on well #2
Discussed practical flow rate expectations at Glick if new wells are installed with Maints Foreman
Discussed with Wessler Engineering pump sizing decisions for Glick Improvements project
Assisted Maints with SCADA while changing oil on wells
Disposed of garbage dumped in front of station

CPHSS

Responded to Liquid Engineering's questions about invoicing and scope of work for next year's quote
Working on gallons/ft spreadsheet for reservoir

Murdock Park

Adjusted pump matrix to even out runtime hours on booster pumps
Met Bowen to assess materials needed for attic opening repair
Checked around building for package that Bowen had delivered, found nothing
Checked out SCADA comm issues with operators
Troubleshoot vac priming system alarms
Set up service date for Mulhaupts to service faulty door
Assisted Bowen with building access to do repairs
Met Mulhaupts for door maintenance
Picked up and returned truck #423

Elevated Towers

Operators cleaned chlorine analyzer at Plaza South

MISC

Retrieved purchase order paperwork from Kirby Risk for SCADA output card purchase
Worked with chemical supplier on pump sizing calculations for Glick Improvements project
Provided information to Jacque on UCMR5 sampling results
Reached out to IDEM for results of voluntary PFAS sampling event we did for them
Completed September MRO and submitted to State
Meeting with superintendent on high flow during September, reached out to Tate & Lyle to assess water usage
Assisted Lab Tech with email signature setup and Outlook setup
Worked with chemical supplier further on chlorine, fluoride, and ammonia dosage calculations for Glick Improvement projects
Assisted Lab Tech with special IDEM raw water testing event
Shopped around for insulation board for Murdock attic opening repair
Completed active shooter training
Got materials list for Chief to purchase from Menards
Service call with Backflow Inspector at apartment complex, discolored water
Planned PFAS testing event for Jacque and provided information for ordering test kits
Got with IT on SCADA alarming issues, had the reboot servers
Working with UBO director on pumped vs. sold data for year so far
Got back with IDEM inspector on Wea tower expected completion date
Assisted Maints with SCADA while they worked on well drain backs
Did Verder pump parts inventory and got with distributor for pricing quote
Got with BL Anderson and ordered replacement chlorine hose for Canal pump
Turned wells #2, #8, and #5 back on at Canal, adjusted matrix, and turned Glick well #4 off for painting
Took old meter reading equipment to Customer Service dept and tracked down keys to office credenzas
Submitted WIN-911 support ticket and followed up with IT on SCADA issues
Got with purchasing manager on remaining budget for getting updated SCADA drawings from Frakes Engineering
Worked with IT on potential firewall/WIN-911 issues
Teams meeting with WIN-911 and IT regarding support ticket
Assisted with chemical deliveries
Got with purchasing manager on TechConnect service agreement renewal PO
Reached out to Frakes Engineering for assistance with WIN-911 mobile issues
Worked with Frakes on getting Maints Foreman WIN-911 mobile app working correctly
Prepared for safety audit
Looked into home dialysis letter sent to UBO
Working on cleaning junk out of credenzas with operators and shredding old personal documents

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.
PFAS testing at well fields.
Collected & tested 80 distribution samples for TCR.
Collected & tested 5 distribution Fluoride split samples for State NaF report.
Made NaF Reagents.
Lab and operations supplies ordered.
Special well testing at Canal for IDEM.
Monthly NaF report for state health department.

Maintenance

Canal

Cleaning of Operations Building (weekly)
Canal well #5 worked on drain spout Re-threaded it
Worked on North gate - not opening
Replace O-rings on bulk water feed in well house #7
Started Lighting LED conversion in conference room at Admin Building
Fix light fixtures on Christy's office admin building
Repair south gate
Remove all bulk items and clutter from well house #7 Canal
Work on garage door Inventory building
Pat Schultz met with reps for Hypo tank repairs / replacement (2 Day)
Made repairs in piping from Chlorine tank to hypo gen.
Replaced gasket on the big Chlorine holding tank
Enter Caucus Report

Murdock pump station

Cleaning of building
Fire suppression inspections

Glick Station

Cleaning of flow meter as needed 2Times this month
Repair chlorine leak on pump

CPPS

Closed all windows at park
cleaned and stocked Restroom

Water Towers

Glick Tower #5 was painted
Glick #2 Clay Valve and drain back device and added packing
Tighten and added packing on well #7 Canal and added drain tube extension
Turn on all heaters at well tower locations
Winterized some wells for winter completing the rest next month

MISC

Escorted Koorsen Fire around to all backflow devices all locations
Holly Johnson sent for DOT Physical
Fire Extinguisher checks (monthly)
Run Gensets-all locations (weekly)
Run to pick up Sniffer as needed from Renew
Transfer of fleet equipment as needed
Aquifer Depth at 2 locations (3 times a week)
Mowing and leaf removal as needed

Checking all locations and well towers daily

Holly Johnson sent for DOT drug screen

Check oil in trucks Weekly

Jim Karger participated in flushing of hydrants (2 week timeframe)

Cleaning and repair of all drain backs for the wells

Attended Safety meeting

Changed oil in all wells

Escort Reliable Exterminators to all Water Works locations

Shut off City of Lafayette Irrigation systems at various locations

Checked ALL emergency lighting at all Water Works Locations

Turn Park Lagoon on and off

All Maint. Employees completed Know B4 training
Help Farmers clean up wheat spill at intersection of 9th and Canal
Attended active shooter seminar

Construction

Installed 24 New water Services
Repaired 4 Broken water mains
Performing Hydrant Maintenance after flushing
Repaired 0 Meter pits
Updated 1 water services to the main to remove lead service line
Retired 1 water services to the main
Repaired 0 water service hit by contractor
Made 1-8" / 1-2" water taps
Replaced 5 meter shut offs
Repaired 2 service lines
Cleaned and Sanitized breakroom/Organized work trucks/backhoes and dump trucks
Safety meeting: Cold weather / Backflows

Total Locates performed-1254, 52 were emergency calls.

Water Facility Inspector

Assisted Customer Service
Laserfishing / Munis
Assisted Construction
Worked on punch list

Flushed 4 systems
Fire Hydrant Inspections: 13

Reviewed prints
Performed 0 bacteria tests
70 site inspections
Performed 14 meter pit / meter inspections
Turn on: 4
Hard Flush: 0
Chlorination witnessed: 1
Dechlorination witnessed: 0
Hydrostatic test witnessed: 0
PreCon/meeting (attended):2
Turn off: 8
Locate repair valve boxes: 10

Backflow Inspector

Performed 37 Inspections
Continuing to update BSI-Online
Assisted ACE Fire with annual sprinkler and backflow tests at Water Works locations
Gave presentation on Backflow to Water Works
Reviewed Prints
Helped with the Fire Prevention Show
Worked on cleaning up the backflow portion of Laser fiche
Attended Active Shooter Training
Performed 1 Site Surveys

Customer Service

Customer Service Field Techs responded to the following requests/services:
Service Orders completed:1353
Meters changed: 85
Meters pulled: 10
Customer disconnected for non-payment: 431