

Lafayette Water Works Plant
Water: Our Most Precious Resource
March-24

Operations

Canal

Troubleshoot fluoride pump issues
Assisted with SCADA during chlorine injection clamp/quill repair and unclogging fluoride quill
Met Puritan for replacement of greensand filters and learned about components
Reached out to De Nora for update on parts delivery
Reached out to Puritan about greensand filter system issues after previous service visit

Glick Station

Troubleshoot Glick Well #4 breaking suction, replaced with Glick #2
Troubleshoot issues with Glick #5 and chlorine residual drop
Meeting with Tony Alley on Glick #2 acid cleaning proposal and lab results

Murdock Park

Inspected overflow and control valve for proper operation

CPHSS

Assisted with RC mower issues

Elevated Towers

Looked over Wea patch panel change order from Brand Electric and included Andy Milam to advise

MISC

Got with IT on phone not receiving SCADA alarms
Sent all available PFAS results to Jacque and reached out to IDEM for anything else available
Working on ideas for better alarm status visibility on SCADA screens
Calculated 2022 and 2023 avg daily consumption for Controller
Meeting with Steve and Chuck on shift times and with Pat on Canal #1 issues
Sent completed Water Loss Audit Checklist to Wessler Engineering
Worked with UBO director on water loss data for IURC
Meeting with Steve and Chuck and had lab tech test water flowing into City Hall basement
Assisted Steve and Jacque with description of our operations
Set up and had meeting with ELI, Steve, and Chuck
Submitted IURC report to Controller
Submitted annual water withdrawal report to DNR
Interviewed four candidates for operator position
Crunched new numbers and worked on certified lab pricing spreadsheet

Emailed IT about office Wi-Fi cyber security vulnerabilities
Meeting with Chuck on Ortman cleaning wells C1 and G4 and order of cleaning
Lab tech took completed CCR to Town of Dayton
Sent website info requests to multiple certified labs for lab services quotes
Sent CCR to UBO director for printing quote
Reached out to Midco Diving and Liquid Engineering for reservoir cleaning quotes

71 after hours and weekend service request calls that are handled by our System Operators and On-Call personnel.

Average pumping: 8.9 mgd
Maximum Pumping: 9.6 mgd
Minimum Pumping: 7.9 mgd

Lab

Monthly MRO report.
Monthly Total Coliform Report.
D.I. Tank replaced
Collected & tested 80 distribution samples for TCR Report.
Collected & tested 4 distribution Fluoride split samples for State NaF report.
Reagents made.

Maintenance

Canal

Replace valve on Chlorine pump
Atlas called in to repair clamp that was placed on the main
Remove bonnet on well #1 to see if needs repaired
Inventory all valve and hoses needed for chemical feed
Lock out and tag out Well #1 Waiting on Ortman Well Company to arrive
Deep Cleaning and painting of the Administration building several times this month
Work on the north gate
Work on the toilet in the Operations Building
Set up and overboard well #5 Canal
Paint men's restroom in Administration building
Charlie B. spent time with the CDL trainees needing drive time
Paint table legs in the break room and conference room
Remove old water softeners and cut up old cylinders for removal and trash pick-up
Replace faucet in the men's restroom in the Inventory building
Replace Chlorine Quill in 36 inch Main Operations Building
Remove blockage in Floride line Operations
Replace Valve on fluoride line Operations Building
Snake the drain in boiler room Operations Building
Repair Faucet in the Lab Operations building
Repaired the Cell on Hypo Machine with new hypoxia
Replace hose in the Oracle Pump
Repair leak on the Oracle at Canal
Paint Rino Lining on Truck #422
Replace rubber seal in bulk water valve in Well house #7
Adjust packing on all wells

Glick Station

Cleaning of Glick building 3 times this month
Set up and overboard well #4 Not successful
Swap Chlorine pump at Glick to a different one
Install a new toilet and all new parts old one cracked
Spray the exterior of well#3 to remove iron deposits
Transfer Ammonia from Glick to the Operations Building Canal
Adjust packing on all wells

Murdock Park

Cleaning of the lab testing area
Inspected and measured all filters in the VFD's at Murdock
Shopped for all Filters for VFD's

CPHSS

Sharpen blades for the RC mower
Changed oil in the RC mower
Cleaning of Columbian Park Building this month

Water Towers

Sweep and Blow out Haggerty and Plaza South water towers
Clean all lighting fixtures and remove all bugs from them
Running of water to clean inside lab areas
Picking up of trash at all water tower locations several times this month
ATT Started massive update of equipment this will take several weeks
Locking and unlocking of fairgrounds tower
Replace defective lights with new at Plaza South Tower
Check all heat tapes at both well fields and all towers (multiple times)

MISC

Run and inspect Gensets at all locations
Check out and return the sniffer from Renew several times this month
Cleaning of the Operations Building Weekly
Complete fire inspections on all Fire Extinguishers at all Water Works Locations
Clean Flow Meter at Glick as requested
Transfer fleet vehicles to and from Fleet Department as requested
Check all locations Daily
Get the well depth 3 times a week
Mowing, weed trimming, trash pickup, brush removal of all water works locations
Assisting other divisions within Water Works Department when needed (Construction)
Snow, Salt and Brinning of city streets during the snow events
Attend monthly safety meetings
Entering Caucus (monthly)
ALL MAINTENANCE EMPLOYEES PARTICIPATE IN WESSLER Water PROJECT
Assist Customer Service to install a 3 inch meter, Assisted the Construction crews (Multiple times this month)
Stock all locations with proper cleaning supplies
FLUSHING STARTED Charlie B.
Trench Safety at Fire Station #9
Clean trucks 422 and 424
Wes sent to Street for CDL Training (This is a multi-Day/Week event)

Construction

Installed 4 New water services
Repaired 1 Broken water mains
Replaced 0 Fire Hydrants
Repaired 1 Fire Hydrants
Repaired 1 Service lines hit by contractors
Repaired 0 Broken shutoff valve
Made 2 - 2" Service tap
Starting dirt work, replacing driveways and sidewalks from broken mains
Cleaning and Sanitizing Breakroom/ Bathrooms / Organized work trucks-backhoes-dump trucks
Safety Training: Excavation and Trenching

Total Locates performed-885, 38 were emergency calls.

Water Facility Inspectors

Fire Hydrant Inspection 16
Precon 1
Assisted Construction Repairing Valve boxes 1
Worked on punch list
Performed 2 Bacteria Test
Flushed Mains 5
Worked on fire system forms
Reviewed Prints
Fire Hydrant's Painted 2
87 site inspections
Performed 5 meter pit and meter inspections
Turn on 13
Hard Flush 2
Witnessed 2 Hydrostatic Test
Turn off 11
Filled Main Line
Chlorination Witnessed 1
DE Chlorination 1

Backflow Inspector

Attended Virtual Meeting on Backflow Tests Software with Swift Comply
Performed 16 Inspections
Attended ADA Meeting
Continuing to update BSI-Online
Reviewed Prints
Performed 1 Site Survey
Delivered 3 Letter to Test
Worked on cleaning up the backflow portion of Laser fiche
Updated MyGIS and Arc-Map
Trained Clint Moore in Cross Connection Inspector duties

Customer Service

Service Orders completed: 883
Meters changed: 5
Dials changed: 3
Customers Disconnected for non-payment: 245