

Lafayette Water Works Plant

Water: Our Most Precious Resource

January-23

Operations

Canal

Met IT network engineer to check SCADA cabling
Took signal wire to Kirby Risk for sourcing and pricing
Took signal wire to Central Supply for sourcing and pricing
Took signal wire to Graybar for sourcing and pricing
Took signal wire to Allied Electrical for sourcing and pricing
Took signal wire to Menards for sourcing and pricing
Took vinyl pvc parts to Menards for sourcing and pricing
Took vinyl pvc parts to Central Supply for pricing and sourcing
Took vinyl pvc parts to Lee Supply for sourcing and pricing
Took vinyl pvc parts to Tractor Supply for sourcing and pricing
Took vinyl pvc parts to Ferguson for sourcing and pricing
Took vinyl pvc parts to Commercial Rubber for sourcing and pricing
Took vinyl pvc parts to Tech Professionals for sourcing and pricing
Took vinyl pvc parts to Lowes for sourcing and pricing
Took vinyl pvc parts to Great American Supply for sourcing and pricing
Reached out to BL Anderson for more information on Bredel Revolution counter for Cl2 pump
Reached out to BL Anderson on Vegapuls C21 and Vegamet 141 controller for day tanks
Took signal wire to All-Phase for sourcing and pricing
Got with BL Anderson on misspelled fluoride skid label from factory
Got with Chuck on 1000' of signal wire from All-Phase and made order
Got with BL Anderson on chlorine system issues and picked up replacement Bredel hose
Meeting with Chuck on how to progress in chemical feed room project
Meeting with Chuck and Pat on plan for phosphate/ammonia move, crunched fluid logistics #'s
Emailed Chuck and Pat on Bredel revolution counter system for chlorine pumps
Picked up 1000' spool of signal wire from All-Phase with Chuck
Assisted Maints with turning off wells during ammonia day tank cleaning
Troubleshoot ammonia pump not feeding after tank cleaning
Had operators do mono-chloramine/ammonia testing to continue troubleshooting over time
Removed old SCADA client #1 and cleaned up shelves, etc.
Assisted BL Anderson with Vega demo setup
Assisted Maints with moving chlorine backup skid onto repurposed wooden box for easier access
Researched Assmann tanks drawings/charts and emailed them to BL Anderson for review
Emailed Duncan Co. for Vega radar system quote
Emailed Toric Engineering for Vega radar system quote
Adjusted Canal well matrix with most productive wells first, less productive later

Glick Station

Checked on ups unit issues at Glick and reached out to IT
Met IT network engineer to check networking ups and SCADA cabling
Assisted Maints with shutting down Glick wellfield for flow meter cleaning
Tested well #1 issue with zero/low flow and coordinated with Pat
Talked with Ortman Drilling about Glick #1 flow issues
Met IT network engineer to change out network rack ups battery
Assisted with chemical delivery
Emailed staff about new phosphate bag coloring and troubleshooting

CPHSS

Got with IT on Microsoft Office licensing issue with business pc
Met IT network engineer to test SCADA cabling

Murdock Park

Met IT network engineer to test SCADA cabling
Emailed Steve/Ron on vent pipe end cap security design proposed by Bowen

Elevated Towers

Answered questions for Frakes Engineering about Wea electrical plans
Took detailed pictures of transformers in HLET SCADA cabinet for Frakes, Wea project
Reached out to BF&S on behalf of Frakes on Wea electrical questions
Forwarded BF&S's Wea electrical answers to Frakes with notes
Reached out to BF&S on return voltage of Wea altitude valve solenoid valve for Frakes
Toured Wea construction site and met with Wes Shaw of BF&S on progress meeting
Measured and sent hatch dimensions to Midco Diving for tank cleaning quote

MISC

Filed 2022 daily field sheets for reference and prepared 2021 sheets for storage
Forwarded IDEM PFAS testing email to lab tech
Followed up with IT system engineer on WIN911 R6 update progress
Followed up with BL Anderson on pump gasket delivery
Responded to Town of Dayton email on change of operator
Reached out to sales staff at Pelton Environmental, extended no response for parts order
Cleaned up email inbox disorder and filed as needed
Reached out to HP Thompson on ProMinent analyzer parts order status, not ordered
Reached out to Frakes Engineering on 5 Highest Pump Days spreadsheet issues
Completed December MRO and submitted to State
Took fluoride solids waste to Renew for disposal after saturator tank cleaning/re-installation
Worked with Frakes Engineering on spreadsheet issues and report bugs
Collected 21'/22' 5 highest pump days data for Ron and BF&S
Tested and reached out to IT about SCADA internet access security issue
Took Wessler Engineering to all facilities with Pat
Assisted Backflow Inspector with water treatment slideshow
Assisted UBO director with high usage day questions
Having operators test pH and NaF probes on ProMinent analyzers
Took apart and repaired faulty pc mice at Glick and Canal
Shredded very old paperwork and updated filing cabinet
Had operators take ammonia waste to Renew for disposal
Operators cleaned up the bed of both of their trucks
Had operator refill salt buckets at Street and take care of walks during winter storm
Put together info package on Col Park and Mur Park tanks for yearly cleaning, sent to Midco
Reached out to Hach representative on lack of follow-up for service contract
Reached out to Frakes Engineering on ProMinent analyzer SCADA issues
Reached out to Frakes Engineering on report generation issues after SCADA upgrade
Sent water use data to Wessler Engineering for 2021 and 2022
Responded to Frakes on PO questions about 2023 SCADA work upcoming
Got with Cheryl/Frakes on 2023 SCADA work upcoming and how it should be quoted/paid for
Got with Cheryl on budget for Canal chlorine room, backup feed pumps, onsite generation maints
Created 2023 service call log for night operator, training and access needed for all operators
Tracked pricing increase on Verder hose prices from 2020 to 2023
Got with Maints on how many hoses were replaced during 2022

47 After Hours Service Requests Completed

Average pumping: 10.4 MGD
Maximum Pumping: 11.0 MGD
Minimum Pumping: 9.7 MGD

Lab

Optimal Water Quality Control Parameters sent to State for July-December
15-20 year old pH meter replaced, lab tech working on instructions for use
Reached out to American Water for UCMR5 testing quote
Filled out online form for Pace Analytical for UCMR5 testing quote
Went over UCMR5 quotes with lab tech and chief

Maintenance

Canal

Cleaning of the Operations Building (weekly)
Tighten packing on all wells
Repaired pin hole in Oracle line/replaced food grade lines
Changed hose on Ammonia pump
Cut and fit new lines for Oracle feed pump
Replaced Cla-valve on Well #8 Canal (several day event)
Ran Well #8 for bacteria testing
fixed small leak in Well #8 so we could put back online
Put Well #8 back online
Troubleshooting Lighting in stairwell administration building
Approve payroll time all employees (Bi Weekly)
Disassemble Ammonia cleaned, re-assemble, and relocated in new area
Flushed out Ammonia lines to remove buildup due to chemical not dissolving
New Toilet flushing handle in men's restroom Administration building
Patch and repaired walls in breakroom raised chair rail and painted

Glick Station

Cleaning of the Flowmeter (weekly/upon request)
Tighten packing on all wells

Put rock at the end of well #2
Removed transfer pump and replace hard pipe line on Chlorine feed
Packing on well#3 not holding removed old and put new in
Transfer Pallets of chemicals from Canal location to Glick location

Murdock Pumping Station

Mounted new fire extinguishers
Retrieved equipment from this location

CPHSS

Cleaned and stocked restrooms with cleaning supplies

Water Towers

Picked up trash at union tower extreme amount
Picked up trash at fairgrounds tower
Picked up and returned overboard trailer from Haggarty tower

MISC

Running of all Gensets (weekly)
Fire Extinguishers Inspections (Monthly)
Caucus (monthly)
Well Depth (Weekly)
Snow removal (As Needed)
Check oil in Maint. Trucks (Bi-Weekly)
Cleaned Operations Building (Weekly)
Pick-up and Deliver back the gas sniffer from Renew

Construction

Installed 6 New water services
Repaired 7 Broken water mains
Repaired 2 Fire Hydrants
Repaired 4 Meter pits
Updated 4 water services to the main / remove lead service line
Made one 2" tap and one 12" tap
Cleaned and Sanitized Breakroom/ washed and swept out dump trucks and backhoes
Safety training for February: Slips, Trips and Falls
Snow plowing / Brining

Total Locates performed-806, 45 were emergency calls.

Water Facility Inspector

Fire Hydrant Inspection 13
Filled Main Lines 1
Assisted Construction Repairing Valve boxes 2
Worked on punch list
Performed 4 Bacteria Test
Flushed 7 Mains
Worked on fire system forms
Reviewed Prints
Worked on cleaning up my job board
41 site inspections
Performed 9 meter pit and meter inspections
Turn on 19
Hard Flush 1
Witnessed 0 Hydrostatic Test
Turn off 12
Pre Construction 1

Backflow Inspector

Performed 24 Inspections
Continuing to update BSI-Online
Covered Operations Shifts
Reviewed Prints
Worked on cleaning up the backflow portion of Laser fiche
Updated MyGISmanager mapping
Performed 2 Site Survey
Gave educational presentation on water treatment to Water employees

Customer Service

Service orders completed: 1161
Meters changed out: 15
Dials changed: 14
Customers disconnected for non-payment: 378
Snow plowed and Brine