

Lafayette Water Works Plant
Water: Our Most Precious Resource
March-23

Operations

Canal

Assisted Maintenance with new fluoride pump programming and taking setup notes
Setup meeting with BL Anderson for Vegapuls installations and controller setup
Reached out to BL Anderson for pricing on chlorine hoses
Assisted BL Anderson and Maintenance with Vegapuls sensor installations
Operations staff cleaned out old phosphate tank and took to park for storage

Glick Station

Murdock Park

Simulated maintenance mode and investigated overflow issue and isolation valve issue
Worked with Steve/Ron/Wessler on vent cap installation plans
Got with IT on UPS notifications, met Nick Hyer and tracked wiring, etc.
Met LFD for building inspection

CPHSS

Troubleshoot VFD's showing wrong Hz on screens
Took pictures of motor/pump tags to fill out IURC report
Worked with Chuck and Maintenance on faulty ups and got replacement parts

Elevated Towers

Met It and BF&S at Plaza South tower for scada and networking planning for Wea tower
Tracked down paint and maintenance dates for IURC report

MISC

Staff completed cyber security training
Did inventory on SCADA parts to figure out what we need to restock
Got with IT on secondary server failure and WIN911 connection failure
Came in early to investigate tower overflow issue/scada issues
Got with IT on more issues with SCADA and server reboots
Got with Frakes Engineering on SCADA issues
Met with HP Thompson to figure out what analyzer parts we need to restock and get quotes
Trained two operators on manually running booster pumps at both stations
Working on SOP for manually running booster pumps
Responded to IDEM rep on new facility info updates and sanitary survey scheduling
Looked over UCMR5 test results and forwarded to supervisors, lab technician
Completed 2023 Consumer Confidence Report and forwarded to supervisors, lab technician
Worked with lab tech to submit DNR report
Worked with commercial diving companies on quotes and
Submitted Consumer Confidence Report to State
Responded to survey from Rockwell Automation about TechConnect contract and services
Updating monthly/weekly inspections sheets
Lab tech corrected copper test result mistake on CCR and sent back to State for approval
Got with IT on burst of ups notifications of illegal access for multiple locations
Completed SOP for manually running pumps and working on emergency contact list for both Park stations
Trained operators again on manually running Park pumps, ongoing training
Researched distributors of Watson-Marlow pumps/parts in Indiana and emailed for pricing
Got with Liquid Engineering for proof of insurance and sent to purchasing department
Lab tech did hardness testing on Canal and Glick soft water to make sure systems working
Lab tech did testing on D900 meters at Canal and Glick to figure out faulty fluoride readings issue
Looked back through old quotes to track price increases on pump hoses for last two years
Troubleshoot chemical usage sheet issues with incorrect phosphate usage at Canal
Got with Wessler on issues connecting to One Drive for Asset Management Plan
Got with Maintenance Foreman on overboard testing and well rehab dates for IURC report
Reached out to Bowen on Murdock Park tank testing last year for calculating water loss
Worked with Utility Billing Director on water pumped and sold data for IURC report
Worked on cost analysis spreadsheet for lab costs
Reached out to American Water for lab services in Indiana

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

Average pumping: 10.6 mgd
Maximum Pumping: 11.7 mgd
Minimum Pumping: 9.3 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.
Extra lab cleaning done.

Maintenance

Canal

Test run Gensets (Weekly)
Clean the Operations Building (Weekly)
Aquafer depth (Weekly)
Continuation of the Chemical feed updates in Operations Building
Attended safety meeting
Traced and pulled wire (new and old) for new chem feed room
Changed Hose in Brodel pump #2
Cleaning of well house #7 and #8
Patch holes on walls of Chemical Feed RM
Replaced countertop at the slop sink in Operations Building
Paint the ceiling in the New Chemical feed room
Painted heaters and lines on Boiler system
Fix chlorine leak
Fix Oracle line leak

Glick Station

Cleaning of the Flow Meter (upon request)
Mowing as needed at main building and the well field
Repair Oracle tank
Patched road at Glick well fields after flooding
Gravel around wells if needed (Support Columns)

Murdock Park

Fire extinguisher checks
SCADA panel checks (overflow problem)
Regular location checks

CPHSS

Test Run Gensets (Weekly)

Water Towers

Mowing as needed
Picking up trash at locations

MISC

Fire Extinguisher inspections (monthly) All locations
Transfer of vehicles to and from Fleet as needed
entering of the Caucus (monthly)
Check all locations (Daily\Weekly)
SCADA failure PAT S. called in Saturday the 4th towers overflow
Worked on site survey to prep for IDEM visit
Checked out the Sniffer from Renew several times this month
Maint. Employees went for Titer testing
Maint. Employees went for Hepatitis shots if needed
Holly Drive off flushing route and gather tools and equipment need for flushing

Construction

Installed 22 New water services
Repaired 5 Broken water mains
Replaced 3 Fire Hydrants
Repaired 3 Fire Hydrants
Repaired 4 Service lines hit by contractors
Repaired 1 Broken shutoff valve
Thawed out 4 service lines exposed by gas company
Starting dirt work, replacing driveways and sidewalks from broken mains
Cleaning and Sanitizing Breakroom/ Bathrooms / Organized work trucks-backhoes-dump trucks
Safety Training: Confined Space Entry

Total Locates performed-885, 38 were emergency calls.

Water Facility Inspector

Fire Hydrant Inspection 12
Precon 2
Assisted Construction Repairing Valve boxes 3
Worked on punch list
Performed 4 Bacteria Test
Flushed Mains 4
Worked on fire system forms
Reviewed Prints
Worked on cleaning up my job board
79 site inspections
Performed 2 meter pit and meter inspections
Turn on 8
Hard Flush 0
Witnessed 1 Hydrostatic Test
Turn off 8
Filled Main Line 2
Chlorination Witnessed 1

Backflow Inspector

Performed 12 Inspections
Continuing to update BSI-Online
Trained with Inventory Cost Accounting Manager
Delivered 1 Letter to Test
Worked on cleaning up the backflow portion of Laser fiche
Updated MyGIS and Arc-Map
Trained Kyle Howard in Cross Connection Inspector duties
Performed 1 Site Survey

Customer Service

Service Orders completed: 1112
Meters changed: 3
Dials changed:0
Customers Disconnected for non-payment: 373