

Lafayette Water Works Plant

Water Our Most Precious Resource

June-23

Operations

Canal

Worked on chemical logistics and how to get ammonia tank back into service after overflow
Talked evening operator through adjusting chlorine and ammonia ratio
Ongoing testing of mono, free ammonia, free chlorine, and total chlorine
Replaced phosphate pump with spare pump
Assisted Maintenance Foreman with turning power back on to Inventory AC unit
Traced wires in SCADA panel to prepare for pulling new wire for pump relay project

Glick Station

Troubleshooted faulty fluoride pump gauge with operator

CPHSS

Cross-trained operators on manually running booster pumps/troubleshooted messed up VFD screen data
Confirmed with Liquid Engineering they can clean reservoir in August

Murdock Park

Got with BL Anderson on status of replacement solenoid valve rebuilt kit
Met BL Anderson to change out faulty control valve solenoid pair
Got with Bowen on no air filters installed on AC system
Setup new booster pump matrix for going forward with Murdock in auto
Met AC contractor to check filters, determine why they weren't installed during construction
Met AC contractor for filter installations and get info on what filters we need in the future

Elevated Towers

Took pictures of Wea Tower with bowl at bottom of tower

MISC

Troubleshooted unusually high water demand and difficulty filling water towers
Manually ran booster pumps at park stations to deal with difficulty filling towers
Worked on SCADA parts database spreadsheet
Got with UBO on Tate and Lyle water usage, high water demand troubleshooting
Got SCADA components quotes and sole source letter from Kirby Risk/Rockwell Automation
Got with Pelton Environmental on replacement feed pump hoses/lead times
Reached out to Frakes Engineering with questions about IO cards at water towers
Meeting with Chief on SCADA parts order, Murdock Park solenoid valve pricing
Corresponded with IDEM about voluntary PFAS testing they are doing
Got with IT on rebooting primary, secondary, and WIN911 servers due to SCADA alarm issues
Assisted Health Dept with calcification issue they were dealing with at local business
Received chemical deliveries at both plants
Operators replaced fluoride analyzer reference probes and chlorine membrane cap
Operators cleaned analyzers
Sent operator phone info to UBO director for email to text setup
Meeting with Chief on lab supplies, phosphate issues, ammonia issues, etc.
Responded to IDEM rep about free ammonia/nitrite testing in distribution system
Lab operator tested nitrite and nitrate in distribution system, sent results to IDEM rep
Answered Wessler engineering questions
Meeting with supervisors on feed pump issues and future ideas for chlorine room
Worked on employee evaluations
Service call 1916 Durkees Run Ct., blew off service line, advised on water hardness
CPR/AED/Extinguisher training with LFD
Ordered more mono/free ammonia testing reagents
Read through IDEM PFAS testing directions and corresponded with IDEM about doing the testing
Reached out to American Water for shipping dates for EPA UCMR5 testing bottles
Researched lithium treatment methods with lab tech
Reached out to Frakes Engineering for lead times on PLCs for water towers
Completed all employee evaluations

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

Average pumping: 13.8 mgd
Maximum Pumping: 15.4 mgd
Minimum Pumping: 12.0 mgd

Lab

Monthly MRO report.
Monthly Total Coliform Report.
In house testing for nitrate and nitrite.
Collected & tested 70 distribution samples for TCR Report.
Collected & tested 4 distribution Fluoride split samples for State NaF report.
Made NaF Reagents.
Data Entry

Maintenance

Canal

Overboard Wells #6,7,8, and 10
Replaced the Cla Val in Well #7 (2 day event)
Temporary moved water fill location for large trucks to North gate
Cleaned out Jim Fosters old desk
Finished Electrical lighting in the inventory bay LED upgrade
Changed all furnace filters at this location
Cleaned all coils on A/C units
Updated the Furnace Filter sheets
Clean up of Water overflow and electrical power outage
Replace GFI out lights after overflow of fill tanks
Replace Phosphate hose canal
Replace Fluoride Hose Canal
Replace hose in the Oracle Pump
Fixed Nipple on the Brodel Pump Canal
Fixed towel Rack Admin. Building
Fixed Sub-pump Canal operations building
Replaced nipple on the hypogenerator at Canal
Worked on organizing tools and equipment
Cleaned out boot wash drain in inventory building
Reset North Gate

Glick Station

Cleaned and reorganized building materials

CPHSS

Open all windows at the Park pump house
Fixed Valve Stem on booster pump #6 park location

Water Towers

Worked on the Gateway tower at Meijer location
Worked on Gateway Tower at Station #8 Sent in to Get Worked on
Worked on the Gateway tower at Greenbush
Checked all locations and towers for any repairs needed after overflow

MISC

Pick up and delivery of vehicles to and from Fleet
Fire extinguisher checks (monthly)
Boiler checks (weekly)
Run gensets (weekly)
Cleaning of the Operations Building (weekly)
Departmental Safety meetings (monthly)
Check all locations Daily
Entered the Caucus report for previous month (Holly)
Mowing of all locations as needed
Check oil in all vehicles every other week
Ran back and forth to Renew to check out Sniffer for various projects
Turn water on at the reservoir to fill park lagoon (2x this month)
Replace some Tools with Warranty Exchange
All Employees reported for CPR Training given by Fire Department

Construction

Installed 36 New Water Services
Repaired 2 Broken water mains
Repaired 1 and moved 1 Fire Hydrant
Repaired 0 Meter pits
Updated 2 water services to the main to remove lead service line
Repaired 1 service lines hit by contractor
Repaired 1 shut offs
Retired 2" service line
Made 2 Service taps
Working on street, sidewalk and curb repairs from broken mains and running new services
Cleaned and Sanitized breakroom/organized work trucks, backhoes and dump trucks Safety training: Personal Protective
Total Locates performed-1290, 62 were emergency calls.

Water Facility Inspector

Attended 1 Precon meetings
Assisted Customer Service
Laserfiche files
Valve Box Repair 3
Worked on punch list
Bacteria samples 25
Flushed 13 systems
Worked on fire system forms
Reviewed Prints
Worked on cleaning up my job board
31 site inspections
Performed 4 meter pit and meter inspections
Turn on 44
Hard Flush 1
Dechlorination witnessed 5
Filled mains 3
Hydrostatic Test witnessed 3
Turn offs 43
Worked on paper work
Chlorination witnessed 4
Fire Hydrant Inspection 30

Backflow Inspector

Performed 15 Inspections
Continuing to update BSI-Online
Attended Permits meeting
Reviewed Prints
Delivered 1 Letter to Install a backflow assembly
Worked on cleaning up the backflow portion of Laser fiche
Updated MyGIS and Arc-Map
Helping to train the new Inventory Accounts Manager

Customer Service

Customer Service Field Techs responded to the following requests/services:
Service Orders completed:1410
Meters changed:0
Dials replaced:7
Customers disconnected for non-payment:261