

Lafayette Water Works Plant

Water Our Most Precious Resource

September-22

Operations

Canal

Got with Maints Foreman on Clor-Tec issues

Worked with purchasing manager on phosphate tanks, mixers, and transfer pumps for feed upgrade project

Glick Station

Had two operators work on getting well #1 online/chemical feed adjustments

Ongoing testing and chemical feed adjustments to deal with varying ammonia levels in well #1

Columbian Park

Reached out to diving company on scheduling to clean reservoir

Got with Chief and Maints Foreman on coming up with 500' of discharge hose for reservoir cleaning

Murdock Park

Worked with Asst. Superintendent and Bowen keying building and alarm pad sharing with Parks

Meeting with Brand Electric, Bowen on pump #2 VFD issues

Follow up call with Frakes Engineering on discharge PSI issues and pump accel/decel times

Got with Bowen on extra security solutions to reservoir hatches

Coordinated with Bowen/WW staff on picking up two hydrants removed from property

Trained new operator on running pumps both manually and in auto from SCADA

Toured service tech and new operator at plant and explained how it operates

Got with Bowen on pump #3 VFD failure issue

Tested pumps 1, 3, 4, and 5 for any further failure issues

Set up alarm set points for flow and pressure feedback and reached out to Frakes for suggestions

Foreman responded to flow switch shutdown, high reservoir level, and pump #4 failure to turn on alarms

Assisted Bowen with door lock core keying and troubleshooting new cores that don't fit

Got with Frakes Engineering on issues with Columbian Park and Murdock Park pump matrices

Got with Mulhaupt's and WW staff on door alarm and security alarm pad issues

Meeting with Bowen on control valve flow meter issues, incorrect readings

Toured construction crew with Maints Foreman and explained how station operates

Meeting with Asst. Superintendent on how to run more pumps during Fall flushing for testing

Assisted Bowen with receiving bathroom hardware delivery

Got with Asst. Superintendent/Bowen on reservoir air vent security solutions

Meeting with Engineering, Parks, LFD, Mulhaupt's, Bowen for Murdock inspection

Met Asst. Superintendent for smoke alarm issues, gave tour of station to others that showed up

Elevated Towers

Lab technician tested nitrate at Haggerty tower

Operators tested chlorine and checked analyzer accuracy at Haggerty tower

Checked Union tower security panel and SCADA panel for functionality, water damage

MISC

Got with Maints Foreman and went over SCADA well/pump timer changes and how they work

Reached out to pump distributor on poor follow-up action after meeting on pump issues

Got with pump distributor on replacement hoses for Verderflex pumps

Got with pump distributor on replacement hoses for Watson-Marlow pumps

Followed up with IT on SCADA remote access issues

Got with IT and Frakes Engineering on accessing SCADA Historian server

Completed August MRO and submitted to State

Emailed staff about Murdock door alarms, how to lock up building, and sharing of temporary key

Got with IT on WIN911 not sending out alarms issues

Gave new employee tour of plant and explanation of chemicals, safety hazards, and PPE usage

Got with purchasing manager and distributor on Verderflex flange and hose order

Followed up with pump skid distributor on design and purchase order questions

Got with IT on WIN911 PC reboot and testing of alarm functionality

Reached out to BL Anderson about premature failure of Watson-Marlow hose

Spent time with new employee going through orientation paperwork and safety protocols

Assisted Bowen Engineering with management staff contact info

Assisted operator with new Murdock daily field sheets and corrected print formatting issues

Went through old junk paperwork in office and shredded to clean up

Meeting with Chief on getting new employees trained on morning shift duties before end of year

Further updated daily field sheets for Murdock Park and Columbian Park and have operators using them

Reached out to chemical supplier on mixing tank/equipment recommendations

Trained new operators again on how SCADA matrices work in relation to reservoirs/lead tower

Talked to service tech about night operator not completing service orders correctly in TylerMunis

Assisted pump skid distributor with design questions and feed pump information

Researched other tank manufacturers and product catalogs for phosphate mixing tanks

Got with scale manufacturer with questions on weigh modules vs platform scale for phosphate day tank

Forwarded Clor-Tec brine pump invoice to purchasing manager and Chief for ordering

Forwarded new phosphate and fluoride pumps quote to purchasing manager and Chief for ordering

Got with pump distributor on Verder brand VF32 hose specs, whether they will fit Watson-Marlow pumps

Meeting with Eurofins on UCMR5 2023 testing schedule and what to expect

Reached out to Tate & Lyle North on high water usage spikes affecting Union tower

Went over important/critical SCADA alarms and how to respond to them with new operators

Updated EPA CDX account and security info, reached out to EPA for assistance with UCMR5 reporting issues

Went over water heaters, emergency shutoff calls, frozen meters, safety entering homes, winter clothes with new operator

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

Average pumping: 11.4 mgd
Maximum Pumping: 12.8 mgd
Minimum Pumping: 10.0 mgd

Lab

Monthly MRO report and Coliform report.
Stop the bleed class.
Retakes on TTHM'S due to Madison lab equipment.
Collected & tested 70 distribution samples for TCR Report.
Collected & tested 5 distribution Fluoride split samples for State NaF report.
Made NaF Reagents.
Lab and operations supplies ordered.
UCMR5 meeting with eurofins.
Extra Cleaning done in lab and office.

Maintenance

Canal

Clean Operations Building (Weekly)
Boiler checks (Weekly)
Motor Vehicles to and from Fleet (as Requested)
Run and inspect Gensets (weekly)
Run aquifer depth (weekly or as requested)
Worked on Hypo-gen wont go past stage #3
Jim Foster O/T switch out chlorine pump
Repair garage door in the bump out inventory building
Worked on North gate
Set motor for Well #6
Hooked up all Electrical for well #6
Filled oil in Well #6 final inspection before turning on
Cleaned up and removed old hose in Brodel pump
Replace batteries in Electrical Room Admin. Building
Fix leak on Hypo-gen chemical feed room

Glick Station

Cleaned flow meter (weekly/as requested)
Changed Fluoride hose 9/6/22
Transfer of chemicals from canal to glick
Wire up Well #4 and extend wire casing 4 inches
Replaced emergency lighting in Office area Glick Building
Tighten packing at well field on all wells
Well #4 final inspection and up and running to the system

CPHSS

Run and inspect Gensets (weekly)
Cleaned inside Genset Cabinet and put Absorbent down in Genset
Added antifreeze to Genset
Replaced emergency lighting at Park Building

Water Towers

Check all locations (daily)
Inspecting of RAB lighting at Haggerty and Plaza South (Water inside light fixtures)
Returned Prominent Skid to Haggerty Tower
Silicone Rab lighting fixtures at Plaza South tower
Meet Mulhaupt for Union Street Tower Alarm not working
Meet with Mulhaupt at union tower to Replace security system panel

MISC

Entry of Caucus report (monthly)
Mow all locations (as Needed every week)
Fire Extinguishers at all locations (monthly)
Turn on valve to fill lagoon and shut off
Checked all Emergency Lighting in all locations and all buildings (2 days to complete)
Reclaimed street curb line on Canal Road (over grown)
Checked oil in Maint. Vehicles (2 times per month)
assisted in the shut Down of irrigation to Fire Houses and misc. locations

Construction

Installed 20 New water Servicers
Repaired 3 Broken water mains
Repaired 2 Fire Hydrant
Replaced 1 Fire Hydrant
Replaced 3 Broken shut offs
Repaired/Moved meter outside 4
Repaired 1 Service line hit by contractor
Made 1 8" service tap
Cleaned and Sanitized breakroom/ organized work trucks, backhoes, dump trucks

Safety Training for October: Going over Safety Steering Committee and Water Works History

Total Locates performed-1282, 40 were emergency calls.

Water Facility Inspector

Bacteria Test performed: 42
Assisted Customer Service
Laserfishing files
Chlorination witnessed: 2
Worked on punch list
DE chlorination witnessed: 1
Flushed 9 systems
Worked on fire system forms
Reviewed prints
Worked on cleaning up job board
56 site inspections
Performed 8 meter pit / meter inspections
Turn on: 20
Hard Flush 2
Fire Hydrant Inspections 8
Filled main line: 3
Hydrostatic Test witnessed: 4
Assisted Construction
Turn off: 20

Backflow Inspector

Performed 28 Inspections
Continuing to update BSI-Online
Attended Permits meeting
Reviewed Prints
Delivered 4 Letter to Test a backflow assembly
Assisted Contractor on Fire Lines
Worked on cleaning up the backflow portion of Laser fiche
Performed 3 Site Surveys
Turned off Irrigation Systems and Meters at Fire Stations
Turned off Irrigation Systems for contractors as needed

Customer Service

Customer Service Field Techs responded to the following requests/services:
Service Orders Completed: 1393
Meters Changed: 73
Dials replaced: 8
Customers disconnected for non-payment: 488