

Lafayette Water Works Plant

Water Our Most Precious Resource

September-25

Operations

Canal

Explained Clor-Tec system volts, amperage, and tank level setpoints and brine pump safety to new operator
Maints tech worked over night a couple days to keep Clor-Tec system running
Operator cleaned out y-strainers on pump skids
Operators worked on raising chlorine residual leaving station
Ongoing adjustment and testing chlorine/ammonia ratio
Tested indophenol free chlorine residual at Canal and refreshed operators on test method
Worked with Maints on Clor-Tec system, changed filters, and repaired bellows pump
Took faulty bellows pump to BL Anderson to see if they can source another one, find alternative
Got quotes on bellows pump and sent to Jen for ordering
Scheduled meeting and met with BL Anderson on-site to find alternative brine pump solution
Assisted Maints with shutting down Canal, starting up Glick, and cleaning Canal flow meter
Operators adjusted all feed systems after cleaning of flow meter
Had summer help monitor Clor-Tec system and keep it running all day
Maints fixed two chlorine leaks after hours
Maints tech stayed over night to keep Clor-Tec system running again
Met with BL Anderson on-site to find brine pump alternative
Met with Kinetico on-site to service softener system
Maints shopped around for new 24v converter for chlorine totalizer
Began working with Maints foreman on getting parts and planning 12.5% backup system
Pat took unused chlorine pump drive to BL Anderson to see what needs done to get it operational
Operators cleaned building for tour
Coordinated roofer access with operators for roof replacements
Worked with Jen on fast-tracking another brine pump after new pump failed
Maints pieced together a working pump from other broken pumps to get Clor-Tec machine running until new pump arrives
Worked with Jen on getting pricing on totes of 12.5% bleach for backup system
Got Frakes and De Nora in contact on fixing Clor-Tec PLC IP address issue

Glick Station

Operations/Maintenance worked on transferring 400lbs of oracle to Canal for Glick Improvements project
Worked with operator on cleaning big tanks sitting outside building
Worked with operators on transferring oracle out of storage tanks so Reynolds could remove tanks
Meeting with Reynolds/Maints foreman on fitting sizes and tank orientation for new tanks
Got with Wessler on having Reynolds remove big tanks sitting outside building
Showed Reynolds Canal phosphate system for reference on building Glick system
Reynolds began construction of new chemical feed systems
Assisted Reynolds/Huston with questions on tank setups
Reached out to supplier about lack of leak detection on Snyder tanks
Reached out to BL Anderson on if Vegapuls radar systems can be calibrated while tanks are full
Worked with Reynolds on filling chlorine day tank and ammonia tank
Coordinate with IT/Maints on installing new networking rack

Sent update email to staff on Glick Improvements project as well as weekend tasks
Assisted Reynolds with project plans, confirmed phosphate system design details with Wessler
Reached out to Wessler to confirm thermal protection of phosphate mixer and that transfer pump can handle suction lift
Assisted Maints with loading and unloading new phosphate tanks
Emailed staff on oracle delivery procedures due to construction project and having too much in storage
Operators got new chlorine and ammonia feed systems primed and ready to run
Maints took old removed feed tanks to Columbian Park for storage
Worked with Pat and BL Anderson on radar sensor calibration on new tanks
Assisted Reynolds with shutting down 30" water main for injection quill replacement
Got G1 running after repairs and dialed in ammonia/chlorine ratio at treatment plant
Meeting with Wessler on Glick Improvements Project punch list
Worked with Frakes on getting new flow meter wired and operating correctly

Columbian Park

Gave Frakes approval to begin ordering parts for SCADA panel repair/update and scheduling for work

Murdock Park

Checked on door security issue with Maints
Worked with Pat and Frakes on SCADA electrical issues after lightning strike near station
Worked with Frakes on reservoir level sensor failure, analog input card replacements, temporary level simulation to keep station running
Maints repaired broken security magnet on small tank hatch
Got with Frakes on level sensor serial numbers and provided info to Wessler for sensor replacement
Updated Steve on issues with station since lightning strike and discussed steps for preventing future grounding issues
Coordinated with Wessler on sourcing new level sensor and scheduling installation/programming changes
Worked with Maints/Wessler on getting new level sensor installed and level simulation removed from programming
Got with Frakes on red wire that was not landed in E&H level sensor box
Got with Frakes on flow control valve alarms and unwired microswitch on control valve
Pat met Caterpillar on-site to look at generator after lightning strike near station
Sent replacement network switch quote to Jen for ordering
Checked on station after seeming to lose half our SCADA system in network outage
Maints unwired shield on new level sensor per Frakes recommendation
Shut down wells to try to simulate erratic reservoir levels at Murdock and Columbian Park
Worked with Frakes on flow control valve issues, diagnosed problem originating at Cla-Val controller

MISC

Reached out to Wessler on running water model on Duckhorn Ln and Wea School Road hydrants
Worked with Frakes Engineering on removing faulty auto-logouts on SCADA
Reached out to IDEM again on CCR status on website
Worked with lab tech and new operator on plans for moving them into respective shifts
Worked with Jen on chemical orders from WSU
Trained new operators on building security and door checking routine
Took 461 to Fleet and tried to pick up 415, but it would not start
Followed up with IDEM on scheduling Glick wellfield testing meeting
Attended Teams meeting with Jay
Attended Master Plan meeting with Wessler
Sent lab tech email detailing how to do Water Quality Analysis report

Attended 60% progress meeting with Wessler on Glick wells #6 and #7
Attended Board of Works for Steve
Completed August caucus report
Got with IT and lack of access to operations and lab files
Worked with Maints/IT on getting Columbian Park and Plaza South gateways communicating again
Worked on getting Tim and Wyatt VPN access approval
Reached out to HP Thompson for quote on ProMinent pump parts
Sent TechConnect renewal info to Jen for 2025 contract with Rockwell/Kirby
Completed August MRO and submitted to State

214+ After hours and weekend service request calls that are handled by our System Operators and On-

***A**verage pumping: 12.3 mgd
Maximum Pumping: 15.5 mgd
Minimum Pumping: 6.4 mgd*

Lab

Assisted customers with lead and copper testing
Followed up with Health Dept on fluoride paperwork typo
Forwarded all emails and 2025 sample results for TTHM/HAA5 to Bobby
Got with Element on updating contact list due to position changes
Delivered all lead and copper results to customers and worked on 90th percentile
Worked with lab tech on preparing 2025 CCR in advance so it is nearly complete for next year
Got with Element on magnesium and calcium testing for Water Quality Analysis
Completed 2025 lead and copper testing and submitted to IDEM
Re-sent CCR certification to IDEM to ensure they got it (originally sent 6/30/25)
Collected 80 bacteria samples

Maintenance

Canal

Assist Customer Service With 6in Meter At Dayton Location
Flush Ammonia Feed Line
Replace Ceiling Tiles In Lab
Remove Tree Limbs In Front Lot
Clean Flow Meter On 36in Main In Vault
Open Line Valve #1 For Production
Replace UPS In Chiefs Office
Remove Office Desk In Meter Bulb.
Clean Hypo Machine (Weekly)
Replace 1in Valve On Chlorine Pump
Repair Brine Pumps For Hypo Machine
Start Installing Chlorine Back Up Skid
Replace Converter For Chlorine Flow Meter
Fill In Groundhog Holes

Clean Operations Build.(Weekly)
Replace Chlorine Quill (After Hours)
Repair Meter Bench
Repair Leak On Hypo Machine (3/4 Bushing)

Glick Station

Adjust Packing #4
Check Batteries On Gaset
Change Oil #1 Well Motor
Assist Ortman With #1 With Vault Valves
Pick Up Tanks And Take To CPHSS
Change Oil In Prominet Phosphate Pumps 9/23
Repair Leak On Oracle Transfer Pump

CPHSS

Replace Thermostat Wires On Genset Block Heater
Reset Reservoir Gateway
Shut 30in Line Valve Off For Chlorine Quill Replacement

Water Towers

Replace Back Up Battery And Fuses In Gateway

MISC

Move Day Tanks From Canal To Glick
Work On Groundhog Removal
Fire Ext. (Monthly)
Take Totes From Canal To Glick
Fleet/Equipt. Transfer (As Requested)
Check All Vault Locations
CDL Physical (Pat)
Replace Scag Mower Battery
Check Security System At Murdock
VFD Training With Andrew M.
Install New Stem O-rings On Murdock Clay Valve
Clean Clay Valve At Murdock
Work On N. Door Murdock
Assist Operations Mixing And Samples As Needed - (Holly Tues. And Thursdays)
Assist Customer Service With Measuring Meter Osage Ct.
Drop Battery Off For Replacement LNH
Escort Reliable Exterminators All Locations (Jim)
Work On Scada Murdock
Work On Genset Block Heater (Murdock)
Repair Black Tilt Trailer (Welding)
Aquifer Depths (Three Times A Week)
Adjust Belts On H-Vac Unit (Murdock)
Replace Leveling Sensor (Murdock)

Check Locations (Daily)
Monthly Safety Meeting (Back Strain) 9/25
Mowing All Locations (Weekly)
Weekly Check All Gensets
Caucus Entry (Monthly)
Remount Security Magnet For Murdock Reservoir Hatch

Construction

Installed 5 New water service's
Repaired 3 Broken water mains
Repaired 3 Fire Hydrant
Replaced 1 Fire Hydrant
Replaced 1 Broken shut offs
Repaired 10 Valve Boxes
Repaired streets/sidewalks/grass area after Broken mains
Repaired 3 Service lines
Made 0 New service taps
Cleaned and Sanitized breakroom/ organized work trucks, backhoes, dump trucks

Total Locates performed-1282, 40 were emergency calls.

Water Facility Inspector

Bacteria Test performed: 73
Located/Cleaned out/Repaired valve boxes 1
Laserfiche files
Chlorination witnessed: 0
Worked on punch list
DE chlorination witnessed: 2
Flushed 30 systems
Worked on fire system forms
Reviewed prints
Worked on cleaning up job board
32 site inspections
Performed 0 meter pit / meter inspections
Turn on 67
Hard Flush 1
Fire Hydrant Inspections 60
Filled main line: 0
Hydrostatic Test witnessed: 1
Assisted Construction
Turn off: 60
Pre Con Meetings 1

Backflow Inspector

Performed 9 Inspections

Gave a presentation to Traffic Dept. on Wellhead Protection

Continuing to update BSI-Online

Reviewed Prints

Attended Permits Meeting

Worked on cleaning up the backflow portion of Laserfiche

Updated MyGIS and Arc-Map

Flushed fire hydrants that were inaccessible during night flushing, during the day

Customer Service

Customer Service Field Techs responded to the following requests/services:

Service Orders Completed: 2070

Meters Changed: 36

Dials replaced: 20

Customers disconnected for non-payment: 543

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