

Lafayette Water Works Plant
Water Our Most Precious Resource
October-24

FILED
CITY CLERK

2024 NOV 20 A 9:13

CINDY MURRAY

Operations

Canal

Added potassium permanganate to greensand system and discussed usage tracking with operators

Glick Station

Checked out extra tanks to be used as backup feed systems during plant shutdowns
Fixed chlorine pump circuit board problem preventing pump from running
Operators cleaned out extra tanks and took to Glick for backup feed systems
Prepared 300gal totes for chemical logistic use during feed system changeovers
Discussed strategies with staff on getting mixing and day tanks low before feed system changeovers
Assisted operators with SCADA client issues
Shutdown plant for Glick #1 packing repair
Glick Improvements progress meeting
Meeting with Duke Energy/Wessler/Reynolds/Huston on pole removals and backup feed systems

CPHSS

Assisted Midco Diving with reservoir cleaning
Tracked down replacement Stenner pump for reservoir analyzer
Dropped off old Enventron probe and spare ProMinent gamma pump
Troubleshoot inlet PSI issues with Pat

Murdock Park

Assisted Midco Diving with reservoir cleaning
Met Pete Corbin on-site to find discharge locations for reservoir cleaning
Got station running again after tank cleaning operations
Assisted Maintenance with troubleshooting vac priming system issues
Got with Frakes on adding trend line for vac priming system run events
Further testing and troubleshooting of vac priming system, reached out to Frakes
Identifying part numbers for SCADA components
Looked at wiring and schematics with Maints, troubleshooting vac priming system issues

Elevated Towers

Took samples and calibrated chlorine analyzer
Meeting with Steve/Jay/Joe on 24" Haggerty Ln main work
Operator assisted IT with access to PSET tower
Meeting with Steve/Ron/Chuck/Joe on removing check valves from Wea Tideflex system
Meeting with Ron/Joe on remedying Wea flow issues
Identifying part numbers for SCADA components
Developed water tower matrix spreadsheet

MISC

Tested chlorine residuals from hydrants near Wea School
Tracked down spigot valve for Dayton meter building
Trained new operator on how pump matrix works and made adjustments
Working on scheduling with Frakes for client machine upgrades
Corresponding with IDEM on TCE investigation at golf course
Followed up with HP Thompson on chlorine analyzer circuit boards and membrane cap kit orders
Filled out IURC cybersecurity questionnaire
Meeting with Steve/Jeremy/Andy on IURC cybersecurity forms
Got with IT on faulty network cable on SCADA client PC
Followed up with IT on possibly upgrading WIN-911 during client installations
Operators picked up new client machines from IT
Sent Jeremy annual SCADA contract info
Operators tested chlorine at several hydrants south side of distribution system
Informational meeting with Operations staff on water towers and chemical feed
Reached out to Frakes on scheduling SCADA schematic updates before end of year
Tested remote login to SCADA clients
Staff completed KnowB4 training
Assisted Maintenance with reducing unusable inventory
Put together Cisco Duo account list for Steve/IT
Ordered ProMinent parts and sent purchase orders to HP Thompson
Put together list of cleaning supplies needed for buildings
Showed maintenance tech and operator how to bring SCADA back up if it closes or reboots
Collected 2023 flow data for attorney's office
Updated flow data spreadsheet and answered MCL questions for attorney's office
Scheduling site visit with IDEM on TCE investigation at golf course
Forwarded signed access agreement to IDEM for TCE investigation sampling on City property
Worked with Pat on pump curve data for attorney's office
Working with Kirby Risk on identifying SCADA components and availability
Assisted business owner with finding permitting
Working with Frakes Engineering on scheduling for client PC installations

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

*A*verage pumping: 8.8 mgd
*M*aximum Pumping: 10.1 mgd
*M*inimum Pumping: 7.5 mgd

Lab

Monthly MRO Report.
Monthly Total Coliform Report.
Extra Cleaning in Lab
Collected & tested 80 distribution samples for TCR Report.
Collected & tested 4 distribution Fluoride split samples for State NaF report.
Reagents made.
Reagents ordered

Maintenance

Canal

Run Gensets (weekly)
Cleaning of the Operations Building (weekly)
Well depths 3 times a week
Participate in Flushing of water hydrants Route #6 (2 weeks)
Check oil in and maintain gas in Maint. Vehicles
Form up for concrete pad and sidewalk
Edge/Fill dirt by fresh poured sidewalks
Lube Garage Doors Administration Building
Clean up the exterior of buildings at Canal
Repair leaks on all buildings at Canal (temporary fix)
Repair chlorine leak at Operations building Canal
Adjust S.E. door operations building
Paint rust on walls in Administration Building
Remove urinal in restroom in the Operations Building to repair pipe
Replace 1 inch valve on the chlorine line in Operations building
Repair block in wall at Operations Building
Assist in yearly inventory of all Maint. Stocked items
Inspect and turn on all heaters in well house for winter
Assist Mulhaupts in door repair Operations Building
Pat assisted Newton Oil in fuel delivery for genset
Start winterizing all wells in well field (multi-day event)
Cutting down brush away from north fence line
Used Weed eater around all wells and vaults at this locations
Change out bleeder air port on boiler system in Operations building

Murdock pump station

Check fluid levels on the Genset (weekly)
Assist Newton Oil in fuel delivery

Glick Station

Well depths 3 times a week
Shut valve at Glick #2
Vac out Glick #2 with Vac truck
Repair skylights on the roof of Glick pumping station
Tear down clay valve on well #2 Glick clean and put back together
Inspect drain backs on well #2 and #4
Replace transfer pump for chlorine day tank
Replace fitting for Verda Chlorine pump
Remove drain back valve in well #3 to clean and re-install
Inspect drain backs on well #1 and #5
Cleaned flow meter in vault
Start winterizing all wells in well field (multi day event)
Turn line valve Off on Glick #2
Weed eat around all vaults and wells

CPPS

Run Gensets (weekly)
Assist Newton Oil in fuel delivery

Water Towers

Take keys to Wea Tower
Inspect all heaters in well towers - prep for winter
Remove ALL straw/seed ground netting from WEA tower and took trash to transfer station

MISC

Assist Wessler Eng.in potholing
Mowing all Water Works locations
Fire Extinguishers (Monthly)
Transfer tools and equipment to and from Fleet
Enter the Caucus (monthly)
Pick up the Sniffer multiple times during this month
Turn on water to the Lagoon for the Parks Dept as requested (2)
Pick up materials from Menards
Pick up materials from Ferguson
Blow out Irrigation systems on Veterans Memorial PKWY
Turn off Irrigations Systems at ALL roundabouts
Inspect all Water Works location Regularly
Clean and inspect all Maint. Vehicles
Gather all Snow shovels and salt buckets for all locations
Escort Korseen's around to all locations to inspect backflows
Run to Home Depot for supplies
Went to Menards to match up metal panels in Administration truck bay and get pricing

Construction

Installed 17 New water Services
Repaired 5 Broken water mains
Performing Hydrant Maintenance after flushing
Repaired 2 Meter pits
Updated 0 water services to the main to remove lead service line
Retired 0 water services to the main
Repaired 0 water service hit by contractor
Made 6 water taps
Replaced 3 meter shut offs
Repaired 0 service lines
Cleaned and Sanitized breakroom/Organized work trucks/backhoes and dump trucks
Safety meeting: Confined space

Total Locates performed-1254, 52 were emergency calls.

Water Facility Inspector

Assisted Customer Service
Laserfishing / Munis
Assisted Construction
Worked on punch list
Filled Main Lines 2
Flushed 6 systems
Fire Hydrant Inspections: 29
Reviewed prints
Performed 17 bacteria tests
75 site inspections
Performed 18 meter pit / meter inspections
Turn on: 14
Hard Flush: 0
Chlorination witnessed: 1
Dechlorination witnessed: 1
Hydrostatic test witnessed: 2
PreCon/meeting (attended): 2
Turn off: 5
Locate repair valve boxes: 2

Backflow Inspector

Performed 15 Inspections
Gave a presentation to WW on Timeline of Major events at Water Works
Attended Master-Plan Meeting
Continuing to update BSI-Online
Reviewed Prints
Attended Lead Service Line Replacement Meetings
Attended Permits Meeting
Worked on cleaning up the backflow portion of Laserfishing
Updated MyGIS and Arc-Map
Gave a presentation to UBO on Hydrants
Trained Clint Moore in Cross Connection Inspector duties
Attended IN. AWWA Meeting

Customer Service

Customer Service Field Techs responded to the following requests/services:
Service Orders completed:
Meters changed:
Meters pulled:
Customer disconnected for non-payment: 384

