

Lafayette Water Works Plant
Water Our Most Precious Resource
August-22

Operations

Canal

Meeting with Maintenance Foreman on new tank submittals, motor wiring specs for mixers, etc.
Followed up with distributor on transfer pump motor wiring specs for quote
Meeting with tank manufacturer on submittal drawings for new tanks
Meeting with Maintenance Foreman on running oracle fill line to dock door
Reached out to GRW Engineering on new phosphate mixer questions
Got with HP Thompson on ultrasonic level indicators for new tanks
Sent single-phase wiring info to distributor for transfer pump quote
Conference call with tank manufacturer on tank submittal drawings and scheduled site visit
Meeting with Chief and Maintenance Foreman on new tank submittal drawings
Meeting with tank manufacturer on submittal drawings and solutions for measuring tank weight
Reached out to tank scale manufacturer for quote
Reached out to GRW again for more info on lid mounted mixers, etc.
Working with three different distributors on equipment quotes
Got with pump skid distributor on getting them ordered for feed upgrade project
Reached out to scale manufacturer for quote
Communicating with scale manufacturer on cost effective measures to weigh phosphate tank
Got with purchasing manager on where we are at with remaining equipment quotes
Got with purchasing manager on PO for pump skids purchase
Reviewed final tank drawings from HP Thompson and had them proceed with manufacturing
Installed SCADA M1 client at Operations Foreman desk and set up old SCADA temporarily

Glick Station

Assisted with SCADA and getting Glick Well #5 running
Worked with day operator on cleaning fluoride settling tank

Columbian Park

Worked on tracking down reservoir piping and valves with Asst. Superintendent
Looked over maps and reservoir piping drawings with Asst. Superintendent

Murdock Park

Met with field inspectors, Bowen, and Wessler for bacteria sampling of Murdock tank and station
Assisted Wessler/Bowen with bathroom partition color plans
Meeting with Superintendent on Murdock SCADA
Got with Frakes on faulty alarms due to SCADA changes made for Murdock
Assisted Frakes/Bowen/Wessler with control and isolation valve testing, running Murdock station
Got with Frakes on client login credentials for Murdock SCADA
Troubleshoot control valve issues with Bowen
Assisted Frakes/Bowen/Wessler with further testing of control and isolation valves
Worked out date with Bowen and WW for beginning full operations of Murdock
Assisted Frakes/Bowen/Wessler with further testing control and isolation valves, running station
Worked with Frakes on running station in auto, added temp door alarm buttons for security
Spoke with Frakes about new alarm page for managing nuisance alarms
Worked with Frakes on auto running pumps and turning things off for Bowen to make repairs
Had Frakes remove fluoride data boxes for Murdock and Col. Park
Met IT to install UPS for pc/networking and put smaller UPS in SCADA cabinet
Meeting with Asst. Superintendent on issues with Col. Park going offline, tracked down valves
Meeting with Asst. Superintendent on Col. Park discharge PSI issues when Murdock shuts down
Conf. call meeting with Wessler on potential issues with Col. Park overflowing if taken offline
Talked to Wessler about discharge PSI issues
Talked to Frakes about Murdock switching to Maintenance Mode when Col. Park goes down
Ran pumps #3 and #4 in auto all day for monitoring affects on system, etc.
Measured desks at WW for potential use at Murdock
Worked with Frakes on acceleration/deceleration times on VFD's to try to mitigate discharge PSI issues
Meeting with Frakes/Wessler on different scenarios of maintaining lower system pressure
Worked with Wessler on pumping down reservoir and measuring rate of refill
Worked with Wessler on test-running Murdock with Col. Park pumps turned off
Worked with Frakes/Wessler on testing Maintenance Mode, operators monitored Park reservoir
Worked with Frakes/Wessler on overflowing reservoir for testing purposes
Trained morning operators on manual/auto running pumps, how station operates, etc.
Took Customer Service Foreman on tour and explained how station operates
Ongoing training repetitions with operators to make sure they understand how the plant works
Got with Bowen on obtaining building keys for operator, Maintenance Foreman, and upper mgmt.

Elevated Towers

Operators got with Hach on taking ammonia analyzers out of service at Haggerty and Plaza
Operators got with ProMinent on chlorine/fluoride analyzer faulty reading issues
Union, Haggerty, and Plaza South lost AC power, operators switched lead tower to Fairgrounds

MISC

Got with Assistant Fire Chief on Telgian Engineering information packet
Got with Maintenance Foreman on overboard testing info for Telgian info packet
Got with Maintenance Foreman and tracked down and bought stuff to restock repair parts, etc
Got quote for 300' of flex tubing
Got with lab tech on silica and total dissolved solids testing for Wabash National
Directed engineering company working on water main extension to upper management
Went with Chief of Distribution to find CSX/Norfolk meter pits/valve pit locations
Got with IT on potential malicious email attachments
Emailed EPA UCMR5 info to Asst. Superintendent and discussed 2023 budgeting for it
Wellhead Protection meeting with Wessler and management staff
Operators attended Ortman Drilling class on well maintenance, etc.
Got with It on elocates contacts/calendar issues on Outlook
Organized project emails
Completed KnowBe4 cyber security training
Ordered chemicals for both treatment plants
Edited daily field sheets to include rounds to be completed at Murdock Park
Got with IT on unauthorized access attempt on Murdock web interface-SCADA
Got with Frakes/IT on problems with remote desktop access to new SCADA clients
2nd interview with system operator applicant

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

*A*verage pumping: 12.2 mgd
*M*aximum Pumping: 14.7 mgd
*M*inimum Pumping: 10.7 mgd

Lab

Monthly MRO report and Coliform report.
THM'S and HAA5'S samples taken for IDEM.
VOC'S samples taken at Glick Well field, WHP.
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.
Water quality control perimeters taken in distribution system.
Completed Lead and Copper paper work for 2022, IDEM Required.

Maintenance

Canal

Overboard Well #2
re-anchor keypad cover to entry gates to property
Overboard Well #10
Overboard Well #3 (this was done 3 times)
Hooked overboard equipment up to Well #1 to run for Bacteria Testing
Employees completed KnowB4 testing
Changed Oil in all Chemical feed pumps
Changed Oracle hose in chemical feed pump
Clean out and pull weeds in landscape beds by employee parking lot
Re-anchor all wires in landscape bed for the AC units
repaired concrete in inventory building
Cleaned conference room in the Admin. Building
Worked on the North Gate
Worked on the AC for Chlorine room
Remove old weeds from in front of Admin Building
Received Well #6 Delivery prepped for installation
Worked on Hypo-Gen several times this month

Glick Station

Worked on AC unit multiple times Replacing unit
Turned on Well #5 Glick Well Field
Repaired Flouride Water lines
Hardwire switch to the Chlorine day tank
Fix Chlorine leak in the pump Twice this month)
Changed oil in all chemical feed pumps Glick
Worked with Ortman to get Well #1 up and running
Worked on Chlorine transfer pump
Glick #5 pea fill in Drain hole in bottom of the vault

CPHSS

Assisted the park pool employees (twice)
Greased Booster
Clean floor in inventory building to prep for concrete patch
Manually reset VFD on pump #6
Worked on Pump #1 and #6
Pulled weeds in front of the building
Tried to seal roof on Pumping Station

Water Towers

Work on union street tower Alarm system
Completed water tower inspections
Lighting Warranty exchange for Plaza South RAB DEFECT in fixtures(ALL PHASE)
Delivered Overboard trailer to Haggerty tower for storage

MISC

Jim Karger dug hole for Fire Dept. confined space training
Fire Extinguisher checks (monthly)
Boiler checks all locations (Weekly)
Genset Checks all locations (Weekly)
Departmental Fleet Maintenance To and from (as Needed)
Flow Meter Glick Station (Weekly/As requested)
Caucus Entry (Monthly)
Check Locations (Daily)
Aquifer Depth (Weekly/As Requested)
Mowing of all Locations (weekly)

Construction

Installed 19 New Water Services
Repaired 2 Broken water mains
Repaired 3 Fire Hydrants and did some Hydrant maintenance
Replaced 3 Fire Hydrants
Repacked 2 Valves
Repair 2 meter pits
Updated 4 water services to the main and retired old lead service lines
Repaired 2 service line hit by contractor
Made 3 Service Taps
Replaced 3 meter shut offs
Dirt work and sidewalk repairs were performed after broken mains
Cleaned and Sanitized breakroom/ Organized work trucks, backhoes and dump trucks
Safety Training for August: Sexual Harassment

Total Locates performed-1283, 39 were emergency calls.

Water Facility Inspector

Attended 0 Precon meetings
Assisted Customer Service 1
Laserfishing files
Bacteria Test 50
Worked on punch list
Fire hydrant inspection 7
Flushed 11 systems
Worked on fire system forms
Reviewed Prints
Chlorination Witnessed 4
37 site inspections
Performed 7 meter pit / meter inspections
Turn on 9
Hard Flush
DE chlorination Witnessed 4
Filled Main Line 1
Hydrostatic Test Witnessed 1
Turn offs 10
Paint fire Hydrant 1
locate valve/ inspect

Backflow Inspector

Performed 26 Inspections
Continuing to update BSI-Online
Attended Permits meeting
Reviewed Prints
Delivered 3 Letter to Test a backflow assembly
Trained in Operations for the chemical feed mixing
Worked on cleaning up the backflow portion of Laser fiche
Updated MyGIS and Arc-Map

Customer Service

Customer Service Field Techs responded to the following requests/services:
Service Orders completed:1149
Meters changed:169
Dials changed:13
Customers disconnected for non-payment:0