

Lafayette Water Works Plant

Water Our Most Precious Resource
July-22

Operations

Canal

Coordinated with Maintenance on fixing chlorine room A/C
Coordinated with Maintenance on fixing faulty oracle scale
Worked with Maintenance on taping off room/equipment dimensions for feed upgrade planning
Meeting with Pelton/Verder on feed pump issues and how to resolve them
Maintenance swapped out faulty phosphate pump and system operator adjusted VFD configuration

Glick Station

Assisted with chlorine delivery
Coordinated with Maintenance on fixing faulty chlorine momentary foot switch
Coordinated with Maintenance on ammonia transfer pump priming issues
Checked chlorine injection pit for leaks

CPHSS

Got with IT on power monitor IP address
Cleaned control room office

Murdock Park

Met with Frakes Engineering for SCADA comm testing between station and water towers
Worked with Frakes on isolation and control valve status display colors, etc.
Worked with Frakes/Bowen on isolation valve auto-reopen set points and control logic
Worked with Frakes on control logic for making Murdock take over if Col. Park loses comm
Worked with Frakes on Murdock/Haggerty communication changeover
Toured pumping station again with field engineer, took notes, discussed station power monitor SCADA feedback
Tested mono-chloramine at Murdock/Cason hydrants and inside building

Elevated Towers

MISC

Cross-trained morning operations duties with lab technician two days
Deep-cleaned truck #414, #404, and cleaned Operations office desks, etc.
Called IDEM field inspector about positive bacteria sample at distribution sample site
Resampled original site and both up/downstream and 11 source wells at Canal and Glick
Created and sent updated tank nozzle placement drawings to tank distributor
Resampled Glick #5 after positive bacteria sample
Got with Chief of Distribution on possible water leak at Lafayette Regional Rehabilitation
Produced 5 highest pumping days past two years and firm capacity for engineering firm
Meeting with Chief/Maintenance on solutions to get rid of QD fittings on wells for sampling
Looking into safer way to use/store utility knives while handling dry chemical bags
Assisted operator with tracking down lost flow numbers from a previous day
Updated source water docs for dialysis clinics and explained why certain chemicals are used
Followed up with IT that we can safely discontinue old WIN911 SCADA alarming system
Responded to IDEM Compliance rep on what wells were running when positive sample was taken
Put together parts restock email and sent to everyone in Operations/Maintenance
Coordinated resampling of Glick #5 after another positive sample, took samples to different lab
Conference call with management/IDEM on how to proceed with PN
Conference call with IDEM field inspector on how to proceed with Glick #5 resampling
Spoke with HP Thompson on tank nozzle placements for new tank designs
Documented timeline of events from positive distribution sample forward for future reference
Emailed tank manufacturer drawings and photos to assist with tank nozzle placements
Emailed Hach about mono-chloramine analyzer maintenance procedures
Prepared and sent Source Water documentation to Fresenius dialysis clinic technician
Submitted request for quote from distributor for phosphate transfer pump and mixers
Spoke with distributor on quotes for phosphate transfer pump, mixers, and mixing tanks
Reached out to tank distributor for quote on phosphate mixing tanks
Followed up with tank manufacturer on nozzle design orientations
Lab Technician completed lead and copper testing and received results
Got with Maintenance Foreman on Clor-Tec system alarms/brine pump adjustments
Follow-up discussion with tank manufacturer on design submittals
Followed up with distributor on transfer pump and mixer model questions
Assisted Superintendent with IFA Water Loss Audit from Wessler
Meeting with Maintenance Foreman on tank submittal drawings, made adjustments to drawings
Meeting with Maintenance Foreman on phosphate tank/mixer/transfer pump design issues
Followed up with distributor on transfer pump voltage/wiring capabilities

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

Average pumping: 12.8 mgd

Maximum Pumping: 15.6 mgd

Minimum Pumping: 9.9 mgd

LAB

Monthly MRO report.
Monthly Total Coliform Report.
Worked on Lead and Copper sampling coming up.
Collected & tested 70 distribution samples for TCR Report.
Collected & tested 5 distribution Fluoride split samples for State NaF report.
Radium and Gross Alpha testing done.
Made NaF Reagents.
Data Entry
TC testing at all the running wells.
Ordered new DI tanks for lab.

Maintenance

Canal

Counted Furnace Filter inventory
Worked on North gate
Replaced Oracle scale
Worked on AC unit operations building
Cleaned up Oracle overflow
Transfer 2 Chlorine Totes to Glick
Worked on AC unit in Chlorine Feed Room
Changed oil in Genset #1
Worked on Ac unit Operations building (economizer and fan motor)
Worked on North gate
Cleaned map room
Tightened packing on all Wells
Overboard Well #1,#7,#8,#5,#3,#7
Changed sample port on well #6
Made wedged for the overboard trailer
Changed oil in Air Compressors
Switched out Phosphate pump

Glick Station

Worked on AC unit #1
Cleaned flow meter
picked up ratchet form Ace
Well #5 started up and on line
Let Ortman into Well #4 and #5
Fixed locks on Well #4 and #5
Tightened packing on all wells
Replace sample ball Valve on well #5
New sample ports on Well #5 and #7 (For Andy)
Ran well #5 for 3 hours

CPHSS

Pulled weeds at park
Mulched plants at pump building
Turned off lagoon valve at park
Changed oil in Air Compressor
Cleaned Building and pumps

Water Towers

Monthly Checks
Drained Plaza water tower
Checked all alarm systems on all towers PER Andrew
Cleaned all towers

MISC

Ran Genset at all locations (Weekly)
Boiler checks (weekly)
Fire Extinguisher checks (monthly)
Enter Caucus Report (monthly)
Check all outer locations and towers (Daily)
Water table depth (weekly)
Cleaning of Operations Building (every Thursday)
Delivery and pick up of all Fleet Maintenance Vehicles and Equipment
Mowing of all locations as needed
Attended Safety Meeting
Checked oil in all Maintenance Assigned vehicles
Turned on Valve to fill Lagoon at the park
Delivered genset samples to McAllister

Construction

Installed 12 New water services
Repaired 2 broken water mains
Repaired 2 Fire Hydrants
Replaced 1 Fire Hydrant
Repaired 6 Meter pits
Updated 6 Water services to the main to remove lead service line
Repaired 1 Service line hit by contractor
Made 6 New Service Taps
Repairing streets and parkways from previous dig ups
Cleaned and Sanitized breakroom/organized work trucks, backhoes and dump trucks
Safety training for the month --Respiratory safety

Total Locates performed-1366, 61 were emergency calls.

Water Facility Inspector

Attended 1 pre-con meetings
Assisted Customer
Laserfishing files
Assisted Construction
Worked on punch list
Fire Hydrant Inspection 7
Bacteria test performed 24
Worked on fire system forms
Reviewed Prints
Chlorination Witnessed 1
16 site inspections
Performed 1 meter pit/meter inspections
Flushed Mains 7
Hard Flush 2
Turn offs 12
DE chlorination Witnessed 2
Filled Main Line 0
Hydrostatic Test Witnessed 6
Turn ons 13
Located Valves 2

Backflow Inspector

Performed 34 Inspections
Continuing to update BSI-Online
Attended Permits meeting
Reviewed Prints
Delivered 1 Letter to Test a backflow assembly
Covered Operations shifts
Worked on cleaning up the backflow portion of Laser fiche
Updated MyGIS and Arc-Map
Assisted ZF (TRW) with their Fire and Domestic water systems mapping and configuration
Gave a Water Works presentation at City Hall to T.C. Harris students
Attended an annual software and contract review at BSI offices

Customer Service

Customer Service Field Techs responded to the following requests/services:
Service Orders completed:1070
Meters changed:257
Dials replaced:5
Customers disconnected for non-payment:0