

**Lafayette Water Works Plant**  
**Water Our Most Precious Resource**  
**Aug-25**

**Operations**

***Canal***

Operators changed water filters on Clor-Tech system  
Put C1 back into service

***Glick Station***

Got with Ortman on status of G1 level sensor failure  
Monitored Ortman progress with G2 leak repair and bacteria sampling  
Sent 2024 IDEM wellfield sampling results to Steve and Jacque for review  
Worked on getting G2 online and dealing with chlorine spiking issues and dialing in of feed pumps

***Columbian Park***

Meeting with roofing company for roof replacement plans  
Reached out to Frakes Engineering for updated proposal on SCADA panel repair after water damage last year and estimated time of completion

***Murdock Park***

Responded to issues with MP1, coordinated operators on correcting isolation valve failure issues  
Explained isolation valve failure response protocols to maints tech and operators  
Worked with Frakes Engineering on MP1/reservoir level issues  
Further testing of MP1, MP2, and MP3  
Operators weedeated around station, length of overflow channel, etc.

***Water Towers***

Checked on Plaza South Wintek outage with Maints Foreperson, power-cycled network switch for IT  
Checked on Plaza South chlorine analyzer, output issues

***MISC***

Updated AWWA Standards books  
Changed contact info with Midco Diving temporarily for moving contract along  
Dropped off new operator to City Hall for new hire orientation and picked them up  
Went through initial SCADA training with new operator  
Reached out to ProMinent for guidance on replacing liquid ends of new ProMinent pumps (annual maintenance)  
Worked with Maints on tracking down any spare ProMinent pump parts  
Coordinated with Customer Service Foreperson to have operator-in-training dropped off for new hire orientation  
Attended Master Plan meeting with Wessler Engineering

Checked stock of chemicals at Canal and Glick  
Followed up with Justin Conner and Dave Payne on truck names for new wireless hotspots  
Collected loaned hotspots and returned to IT Dept  
Got with Dave Payne on ordering 13 wireless hotspots for field work  
Coached new evening operator on how to handle various situations that may be encountered on evening shift  
Looked up water main layout of Barrington Lakes area on GIS and sent to Steve/Jay for review  
Two new operators in training  
Completed July caucus report  
Worked with Frakes Engineering on alarm shelving issues, possible flow control settings for Glick wells, and auto-logouts for client machines  
Reached out to ProMinent on resetting chlorine analyzer probe calibrations  
Responded to Wessler on water model simulations near Wea Tower and provided alternative hydrants for simulation  
Looked at GIS with John Burks and discussed different ways to flush Barrington Lakes area, possible future auto-flushers  
Looked up ProMinent oil changing guide with Maints Foreperson for Sigma 3 pumps  
Wrote SOP for bacteria sampling for Jay  
Worked with maints tech on getting dedicated hoses for chemical feed tank work  
Had operator get with Jen on removing junk and taking off asset list if necessary  
Sent 2024 DNR report to Steve for Wessler project  
Met with Christy and Steve on adjusting operator hours so they are paid for class time

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

*Average pumping: 9.7 mgd*  
*Maximum Pumping: 10.5 mgd*  
*Minimum Pumping: 8.5 mgd*

### **Lab**

Trained lab tech on producing MRO and submitted to State  
Reached out to IDEM on status of corrective action proof from Level 2 Assessment  
Tracked down lab chlorine meter case and cleaned up/stocked for service calls  
Reached out to IDEM on status of CCR/CCR Cert after submitting June 30th  
Ran Ortman's G2 samples to Godlove along with our bacteria samples  
Worked on lead and copper sampling as time allowed between bacteria sampling and training new operators  
Collected 80 bacteria samples  
Collected quarterly TTHM & HAA5 samples  
Operators collected and sent weekly distribution fluoride samples to Health Dept.

### **Maintenance**

#### ***Canal***

Attend Monthly Safety Meeting (Lock Out Tag Out)  
Clean Operations Build. (Weekly)  
Change Out Sump Pump In Hypo Vault  
Change Out Packing And Adjust Packing Well #6

Clean Plates And Pipes On Wells #5 #7 #8  
Clean Up Tiles In Lab Area  
Flex Seal Operations Buli. Roof Top (Leaking In Lab Area)  
Install New Touch Pad S. Gate  
Replace 3/4 in Valve On Hypo Machine  
Replace Capacitor On AC Unit (Upstairs Admi. Buli.)  
Wash Outside AC Units (Admin Bul.)  
Dirt Work In Well Field  
Replace Chlorine Quill In Hypo Vault  
Change AC Filters Admi. Buli.  
Work On Floor Drain Operations Buli.  
Safety Meeting Lock Out Tag Out (Monthly)  
Change Oil And Grease All Canal US Well Motors (#1 #2 #3 #4 #5 #6 #7 #8 #10)  
Spray And Remove Wasp And Nest Around Operations Buli.  
Dry Out Outlets In operations Buli. From Buli. Flooding  
Clean Screens And Platforms On All Well Towers And Motors (Canal)  
Remove Brush From Ft.  
Clean Hypo Machine (Weekly)  
Change Oil In Floride And Phosphate Promient Pumps (4 Total Pumps)  
Open Line Valve In #1 Vault For Production  
Repair Door Admin. Buli. (Utility Room)  
Edge All Sidewalks

### ***Glick Station***

Adjust Packing Well #4  
Relace Motion Sensor/Detector (Door 3)  
Get Serial #s For Wells #2 #3 #5 (Per Pat)  
Adjust Packing Well #3  
Cut And Rethread Pipe And Install New Cap On Well#2  
Clean And Iron Out All Platforms And Piping On All Wells (Glick Well Field)  
Change Oil In Well Motors #4 And #5  
Remove Over boarding Valve At #5

### ***CPHSS***

Replace Generator Batteries  
Repair Ft. Door Lock  
Grease All Pumps

### ***Water Towers***

Reset Switch For Contractors (Pat) Plaza South  
Meet With Neptun To Test Gateway (Wea Tower)  
Hook Ground Wire (Wea Tower)

## **Murdock Pump Station**

Reset #3 #4 #5 VFDs

Grease All Pumps

## **MISC**

Assist Operations When Requested

Fire Ext. (Monthly)

Weekly Genset Inspections

Fleet/Equip. Transfer (As Requested)

Pick Up Weed Killer At Rual King

Change Out Weed Sprayer Handle

Paint Hydrants (As Requested)

Remove Barbwire From Hustler Mower Deck

Sharpen Blades On RC Mower

Enter Cacus (Monthly)

Check Kossuth St. Upper And Lower System Valve

Replace Power Valve On Hypo Machine

Hook Up Antenna And Install Ground At Street Campus Gateway

Meet With Neptun For Testing Street Gateway

Take Milwaukee Battery To LNH For Warranty Replacement

Asset. Ortman With Water Samples Canal #1 And Glick #2

Pick Up Oil For Well Motors (Lafayette Auto)

Scada Meeting With Andrew Moore (Security)

Assist Customer Service With 2in Meter

Assist Ortman With Glick Interceptor Well

Check Locations (Daily)

Collect Aquifer Depths Three Times A Week (Glick And Canal Locations)

Mow All Locations Weekly

Spray Weeds As Requested

## **Construction**

Installed 8 New Water Services

Repaired 2 Broken water mains

Repaired 7 Fire Hydrants and did some Hydrant maintenance

Repaired 1 Valve boxes

Repaired 4 meter pits

Updated 6 water services to the main and retired old lead service lines

Made 6 Service Taps

Dirt work, street repairs and sidewalk repairs were performed after broken mains

Cleaned and Sanitized breakroom/ Organized work trucks, backhoes and dump trucks

Safety Training for August: Lock-Out Tag-Out

Painting Hydrants and Hauling dirt from dump

**Total Locates performed-1283, 39 were emergency calls.**

### **Water Facility Inspector**

Attended 1 pre-con meetings

Assisted Construction

Laserfiche files

Assisted Construction

Check for leaks 0

Fire Hydrant Inspection 50

Bacteria test performed 19

Worked on fire system forms

Reviewed Prints

Chlorination Witnessed 0

46 site inspections

Performed 15 meter pit/meter inspections

Flushed Mains 26

Hard Flush 0

Turn offs 22

DE chlorination Witnessed 0

Filled Main Line 0

Hydrostatic Test Witnessed 0

Turn Ons 27

Repaired Valve Box 0

### **Backflow Inspector**

Performed 17 Inspections

Continuing to update BSI-Online

Reviewed Prints

Performed 1 Site Survey

Attended Permits Meeting

Worked on cleaning up the backflow portion of Laserfiche

Updated MyGIS and Arc-Map

Attended 9th St. Progress Meeting

Delivered 1 Notices to Install

## **Customer Service**

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

Service Orders completed: 1505

Meters changed: 21

Dials changed: 5

Customers disconnected for non-payment: 400

Meters tested: 2