

# Lafayette Water Works Plant

Water Our Most Precious Resource

July-23

## Operations

### **Canal**

Replaced ammonia pump hose  
Explained hose changeout process to Lab Tech  
Emailed chemical supplier about ammonia mix issues  
Cleaned and organized cabling in SCADA panel  
Troubleshoot ammonia usage issues and spreadsheet issues  
Ongoing testing of mono and free ammonia  
Meeting with Maints Foreman on ammonia pump issues and running wire for new feed pump  
Talked operators through troubleshooting oracle pump wiring issue  
Pulled 8 new wires to new chemical feed pumps with maintenance techs  
Adjusted backpressure valve on ammonia chemical feed skid, priming issues  
Got with Facilities on faulty AC system in operations bldg.  
Operators assisted maintenance with fluoride and oracle line repairs  
Tested on-site generation concentration and water temp and sent to De Nora rep

### **Glick Station**

Cleaned both cabinets in testing room and got rid of junk, stored cleaning supplied, organized  
Took old gear oil to Fleet for disposal  
Wire brushed and oiled rusty micro screwdriver set

### **CPHSS**

Had operator use new SOP for manually controlling booster pumps  
Got with BL Anderson on issues with pump #2 VFD  
Met BL Anderson to troubleshoot pump #2 VFD issues  
Explained VFD controls to operators and what not to do with them

### **Murdock Park**

Took old filing cabinet to control room for storing manuals

Gave utility locator tour of facility

Met Bowen Engineering to troubleshoot problems with pumps not running

Troubleshot SCADA I/O module issues with Frakes engineering, scheduled site visit

### **Elevated Towers**

Distributed cleaning spray bottles to treatment stations and booster stations

### **MISC**

Ordered my mono-chloramine and free ammonia testing reagents

Foreman organized files and paperwork

Assisted UBO with customer concerns about PFAS

Got with IT about phone transfer issues, tested dialing to different carriers

Edited lab sheet for operators to use when testing and tracking mono residuals

Tested mono and free ammonia at Dayton meter building

Foreman completed KnowB4 training

Put together well priority list for painting scheduling

Got with BL Anderson on scheduling meeting about on-site generator issues

Reached out to Frakes Engineering to schedule relay and programming work for new pumps

Got serial number and information for Pelton Environmental on pump with broken rotor

Operators assisted with reservoir mowing  
Got in contact with operator at Tate & Lyle about letting us know when they use our water l  
Ordered more mono and free ammonia chemkeys for SL1000 meter  
Foreman organizing project files  
Lab tech tested Nitrate and Nitrite at distribution site for IDEM  
Working with Frakes Engineering on part availability and scheduling for Tower PLC project  
Sent 5 highest pumping days and firm capacity to T-Bird for water main extension project  
Sent Frakes signed proposal for Tower PLC project for this year  
Dealt with power issues at both booster stations during storms, got with Duke Energy on tra

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

*Average pumping: 11.9 mgd*  
*Maximum Pumping: 13.2 mgd*  
*Minimum Pumping: 10.1 mgd*

## **LAB**

Monthly MRO report.  
Monthly Total Coliform Report.  
Collected & tested 70 distribution samples for TCR Report.  
Collected & tested 5 distribution Fluoride split samples for State NaF report.  
Made NaF Reagents.  
Data Entry

## **Maintenance**

### **Canal**

Clean Operations Building (Weekly)  
Aquafer depth (Monday-Wednesday-Friday)  
Brodel Pump received new parts and put them in  
Replaced parts in the Milwaukee Grinder  
Worked on the North Gate. Troubleshooting  
Tightened packing Well #8 and #4  
Changed Women's restroom lighting over to LED  
Attended mandatory safety meeting  
Replace Vacon pumps Bearing and seal kits 3  
Changed oil in Vacon Chemical feed pumps  
Run Wires for Franks so they can program pumps  
Worked with Jason Peirce on A/C unit Operations Building  
Changed Hose in Ammonia Tank Canal  
Hypo Generator replace some O-rings and fittings  
Replace Electrical plug on the Oracle pump and breaker blown due to water on floor  
Remove the fiberglass plates covering the Chase in Operations Building  
Tighten hose clamps on the Chlorine line  
Escort Koorsens Fire To all locations (New Vendor)  
Repair Oracle and Phosphate lines in the Operations Building

### **Glick Station**

Clean Flow Meter As requested  
Check Depth Well #4 Static only (Monday-Wednesday-Friday)  
Painting of Well #3 by Thayer's  
Painting of all test well sites in Glick well Field  
Tightened packing on well #4, #5 and #1  
Fixed leak on main Chlorine Line  
Changed oil in Vacon chemical feed pumps  
Fix phosphate pump at Glick

### **CPHSS**

Cleaned Mini Split Air conditioners in pump station  
Mowing of Reservoir 3 times this month  
Weed eating around fencing at Reservoir

## **Water Towers**

Check all outer locations Bi-weekly

## **MISC**

Fire Extinguisher checks (monthly)

Run Gensets (Weekly)

Transfer fleet vehicles/tools as needed to and from Fleet Maint. Build

Enter Caucus (monthly)

Check all oil in Maint. Vehicles

Picked up Buckets from Pool

Turn valve on at the Lagoon For Parks Department to fill.

Pat Schultz went to 464 Cormorant Ct to check Water Pressure within home Complaint

Completion of Know Before Training by employees

Mowing of all properties as needed

Warranty tool exchange

Shop for new endoscope

Holly Johnson sent for random drug screening

## **Murdock Pump Station**

Mounted Eye wash station

Checked Fuel level in the genset

Measured A/C unit for filters (non in it )

Change oil and filters in the main compressor

### **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 0 pre-con meetings  
Assisted Customer  
Laserfishing files  
Assisted Construction  
Check for leaks 2  
Fire Hydrant Inspection 17  
Bacteria test performed 41  
Worked on fire system forms  
Reviewed Prints  
Chlorination Witnessed 2  
31 site inspections  
Performed 4 meter pit/meter inspections  
Flushed Mains 11  
Hard Flush 4  
Turn offs 42  
DE chlorination Witnessed 4  
Filled Main Line 2  
Hydrostatic Test Witnessed 3  
Turn Ons 45  
Fire Hydrant Painted 1

### **Backflow Inspector**

Performed 18 Inspections  
Continuing to update BSI-Online  
Attended Permits meeting  
Reviewed Prints  
Updated MyGIS and Arc-Map  
Gave a presentation on Aggregates at WW Safety Meeting  
Performed 1 Site Survey

### **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

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