

The City of Lafayette Water Works Plant Annual Report 2023



Ron Hurst, Assistant Superintendent

Lafayette Water Works Mission Statement

The Lafayette Water Works is municipally owned and operated water Utility. It is our purpose under the direction of the Mayor, Common Council, Board of Public Works and Safety and Superintendent, to provide its customers with potable water, with adequate pressure, quality and quantity and to work with the Fire Department to maintain the fire hydrants and distribution system that provides fire protection to its customers.

To accomplish this purpose, we will pursue professional ethics that promotes public health and safety, consumer confidence, customer service, responsible operations, preventative maintenance, accurate laboratory testing, reliable reporting and compliance with EPA and the Indiana Department of Environmental Management Regulations, AWWA Standards and other safety programs, showing fiscal responsibility to maintain the best user rate possible for our customers.

Steve Moore: Safety Officer for the City of Lafayette and Chairperson of the Safety Steering Committee

As Safety Officer I am responsible for the enforcement of all City safety policies. As Chairperson for the Safety Steering Committee, I preside over a committee that is comprised of representatives from each City Department. We meet monthly at The Water Works Plant to discuss activity from Departmental Safety Committees; there we explore ways to prevent accidents to ensure the safety of all City Employees.

Mission Statement

It is the mission of the Safety Steering Committee of the City of Lafayette to increase and maintain the commitment of employees in health and safety issues; to increase awareness that supervisors and employees are primarily responsible for the prevention of workplace accidents; to make safety activities an integral part of the City of Lafayette`s procedures and culture; to provide an opportunity for the free discussion of safety problems and solutions; to help reduce the risks of workplace injuries; and to help ensure compliance with federal and state health and safety standards.

Jay Schnebly: Chief of Distribution

The Construction Department was able to assist other City Departments on many occasions in 2023. We help other departments with snow removal by plowing two routes on the North end. We also work closely with the Street Department during street paving to assure that we replace any broken valves or hydrants "before" the street is repaved. The Water, Street, Fire, Parks, and Wastewater Departments have a long history of working together. In return, we have received help from them on any occasion that we have asked.

Distribution System Accomplishments for 2023:

- Fire hydrants replaced 8
- Fire hydrants repaired 30
- Leaks repaired 45
- Broken mains repaired 66
- Retire old lead services 15
- New services 251
- Side-taps 22
- 1" taps 15
- Updated Meter pits 26
- Salt pumps 18
- Valves replaced 1
- Valves Repaired 5

Utility Locator

Utility Locators perform an invaluable service for the Water Works and the City of Lafayette. They electronically locate the City's water mains and mark them on the ground with blue paint/flags. The Utility Locators are also responsible for marking the City owned fiber conduits along Greenbush Street and Brady Lane with orange paint/flags. Without these locations there could easily be a large service outage to business and citizens of Greater Lafayette and surrounding areas. Locators also respond to emergency locates that are called in after hours and on weekends and holidays.

In house projects include maintaining the map log conversion to the grid system, log new maps into the map logs and grid system, complete ARC GIS corrections, updating the fire system, placing fire hydrant marker sticks on fire hydrants that are not easily seen,

Utility Locators 2023 Accomplishments:

- Reviewed and logged into the system new maps.
- Drew new maps for the Distribution System.
- Number of utilities locates completed 15,652 with emergency locate requests and assisted contractors working in and around the city with locate information.
- Assisting Intra Water Works/Other City Departments.
- Continuation of the ARC GIS corrections .

Hydrant Flushing Program:

Each year, 6 workers flush nearly 3300 fire hydrants in the spring and fall flushing programs. Flushing mains help to determine what is happening in the system and shows any buildup of iron or manganese in specific areas. This is also an opportunity to operate the hydrants to assess the need for maintenance or repair. A census of the hydrants is also made at this time, which allows updating of information used by other City Departments.

Jay Schnebly: Chief of Customer Service

Our Customer Service Field Tech Staff has continued to meet the needs of our customers for the 2023 year. Social distancing is still part of our protocol and following guidelines from the City of Lafayette since the coronavirus is still with us.

During this period, it has never been more important to exercise patience and understanding for the people that we encounter. We are currently serving 30,196 water account customers. There were 14,135 service calls made by our Customer Service Field Tech staff. These service orders consisted of frozen meters, need readings, check for leaks, verify meter information, weekly checks to monitor water consumption, check for damaged equipment, application and finals for new and existing services, repair meter, replace antenna, zero consumption, replace meter, test meter, repair or replace lid or bell assembly, and replace dials or MIU radio read unit. We also disconnected 3,268 services for nonpayment.

We are now around 98% Neptune meter and are capable of collecting readings by either a tower or by a drive by unit. These Neptune meters have the capability of storing a 96-day memory that can be downloaded and with that give us a printout of the customer's usage to the hour. If a customer needs that info. we can provide that for them in an email. Currently 8 towers are in place around Lafayette and are reading approximately 70% of our meters and are capable of informing the billing office if someone has a major leak going on.

Our Customer Service team also changed out 716 Sensus brand meters to Neptune R-900 radio read units. The Customer Service team consists of just 6 members. The Customer Service staff also serve in a support role for snow plowing, broken water main repair and hydrant flushing. During the warmer months we maintain lawn maintenance on various City of Lafayette properties to ensure an excellent reflection on our customers, and community.

Chuck Reynolds: Chief of Maintenance and Operations

The Maintenance and Operations department continued to improve their skill sets by cross-training on various job assignments. Developing a good team attitude is essential to any organization's success and both the maintenance, operations, and lab person have allowed us to complete even more projects than what have been accomplished in the past. We were fortunate to have a temporary summer person for a couple of months working with us, but we had to call upon our maintenance, operations, and some customer service help to finish out the season with lawn maintenance duties at Canal Road, Glick pumping station and well field, Plaza South, Fairgrounds, and Union Street locations. We contracted with Thayer's Painting to have our wells painted at both Canal Road, and our Glick well field. This was an item that IDEM had noted needing attention in the last sanitary survey. Our lab received a new Hach brand DR 900, and two DR 300 portable analyzers to aid our lab and system operators with their daily duties. There were additional plastic bottles, containers, and racks upgraded in the lab work area. All office chairs were replaced at Glick, Columbian Park, Murdock Park, and Canal Road operations buildings. We purchased a radio controlled 52" wide slope mower to maintain our Columbian Park Reservoir slopes. This unit has improved the appearance and need to contract out the lawn maintenance duties at Columbian Park. The RC mower is capable of cutting slopes up to 50 degrees. Additional achievements are outlined in the Maintenance, Operations, and Lab sections of this report. The Maintenance, Operations, and Lab staff team are listed in alphabetical order: Charlie Berry, Kyleigh Bolinger, Andy Crow, Vern Grenat, John Hamilton, Holly Johnson, James Karger, Andrew Moore, Colton Moore, Pat Schultz.

Radio Controlled 52" Wide Slope Mower



WEA RIDGE WATER TOWER



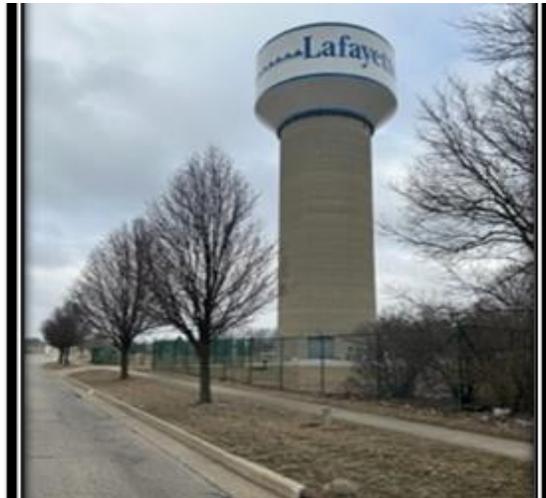
FAIRGROUNDS WATER TOWER



UNION STREET TOWER



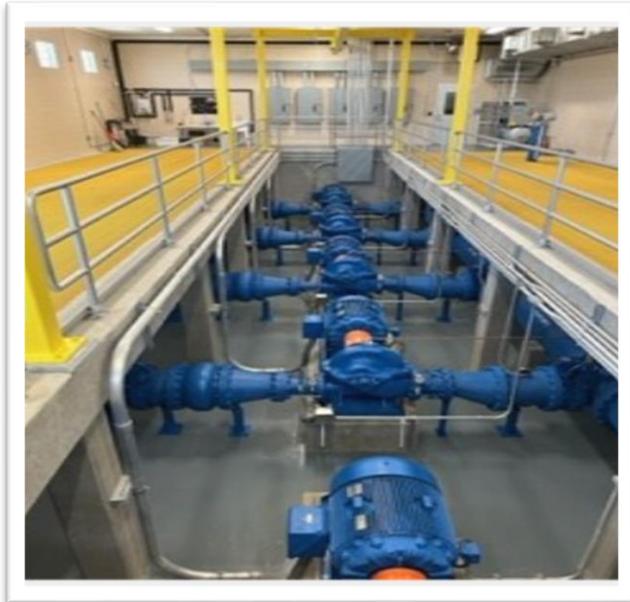
PLAZA SOUTH TOWER



HAGGERTY TOWER



MURDOCK PARK BOOSTER STATION



Pat Schultz: Maintenance Foreman

Staff

The Maintenance Department consists of one maintenance foreman and three maintenance personnel.

The main duties of this Department are to effectively monitor and perform maintenance on all the pumping equipment, recognizing small problems before they escalate to larger ones. We perform daily, bi-weekly, monthly, bi-monthly, quarterly, bi-annual, and annual testing on our pumping equipment, generators, and the chemical feed systems. We tabulate the combined data to determine which wells and pumps are the best candidates for the Annual Well Rehabilitation Program. The data collecting, record keeping, presentation, and well maintenance forms have been acclaimed as the best in the State.

A preventive maintenance program is performed on all pumping equipment and chemical feed equipment, such as oil changes, greasing, calibration, and signal checking. The Maintenance staff also has the duties of Water Tower calibration, rinsing, cleaning and proper illumination and security testing.

Our staff also assists with security maintenance, installation of security lighting, repairing of motion detectors, testing of devices such as battery efficiency, and lighting devices. We are on call twenty-four hours a day, seven days a week. We have responded to calls such as SCADA malfunctions, pump motor problems, automatic valves not reacting properly, etc.

We have worked with the Distribution Department on repairing broken mains, unplugging water lines, and repairing service line leaks. We have also assisted in helping the Customer Service Department in reading meters during severe weather conditions along with installing new water meters, snow plowing, and the flushing of all fire hydrants twice a year.

The staff also assists in the general up-keep of the Water Departments facilities, electric, plumbing, HVAC, and the buildings/grounds appearance.

The Maintenance Department goals are to provide a safe and continuous flow of quality water to our customers. Our thorough Well and Pump Testing, as well as our excellent preventive maintenance programs allow the Water Works Department to deliver the highest in quality and most cost-efficient product to our customers.

This year we replaced fluorescent lights to LED at some locations at a substantial cost savings on lights and energy usage. The replacing of diaphragms within clay-valves, Well rehab, and new pumps as part of our continuing maintenance procedures.

Inspections and Reports: Daily, Weekly, Bi-Weekly, Monthly, Quarterly, Annually

- Wells and Pumps, Flow Meters, Electrical, Packing, Construction Preventative Maintenance, Alignments, Towers
- Water Treatment Systems, Chlorine equipment,
- Electrical ~ Emergency Generators, Lighting & Batteries
- Tools ~ Inventory for Vehicles and Storage
- Calibration and testing Chlorine and Hydrogen sensors
- HVAC units and mini splits.

Wells, Pumps & Gen-Sets

- Well rehabilitation on Glick well #5 by Ortman Well Company and Glick well #3 completed by Peerless Midwest.
- National Water Co. In the process of surveying Glick Well #2
- Well Clay-valve diaphragms replacement Glick #1, #2, #4 and #5
- Changed oil, oil filters and fuel filters in all three Gen-Sets
- Cleaned all drain-back valves and repaired/replaced in-operable units.
- Assisted with annual hoist inspections.
- Changed motor oil at all wells.
- Packing adjusted at all wells.
- Repaired air relief and drain back on Glick #3 and #4
- Replaced solenoid valve shut off at fluoride tank at Glick Station.
- Replaced 3 fuel lines in Genset #1 at Canal.
- Installed new schedule 80 pvc piping for ammonia tank.
- Overboard process of 14 wells to help determine well maintenance that may be need.
- Painting of well platforms at Canal and Glick locations.
- Worked with Ortman Well Drilling Company to install various test well sites to be utilized in future.

Water Treatment Process

- Cleaning of flow meter at Glick vault weekly and all pumping stations during the year and replaced flow sensor in vault at Glick Station.
- Replaced all chemical feed lines from Glick building to the vault.
- Maintain and repair as needed annually on Hypo-Generator like floats, wiring and salt motor and switches.
- Weekly well depth readings.
- Replaced waters softener drain tube from flooding.
- Installation of new scale for the day tank for Chlorine at Glick
- Installed a new chemical feed lines at canal for the chlorine.

- Repairs to Oracle tank and installation of new scale on the day tank at the Glick building.
- The next phase/physical instillation, of the Chemical Feed Upgrade at the Canal plant, within the Operation's Building. (2022-2023)

Water Towers/Reservoir

- Maintain and repair Ethernet cables and connectors for communication for Scada.
- Monthly tower inspections
- Maintain Security systems in the Towers/Reservoir.
- Replaced LED lighting on the exterior lighting fixtures Haggerty Tower and the Plaza Tower due to defective fixtures. (Replaced at no charge to City of Lafayette)
- Replaced door sensors to security system at the reservoir.
- Repaired screen on north end of the reservoir.
- Maintain Fences at towers replacing fence barbs, strap anchors and gate hinges and locks.
- Drained and refilled Plaza water tower. (1 million gallons-3 days to drain and 2 days to fill.) in preparation for the tower to be painted on exterior.
- Plaza Tower – replaced strobe lighting fixture on the top of exterior.
- Sweep floors in composite towers and clean out bugs in light assembly.
- Installation of new analyzers at the reservoir and withing water towers.
- Fill Lagoon at the Park upon request by the Parks Department.
- Repaired chain-link fencing and replace aluminum strapping on fencing in several locations.
- Thayer's Painting Inc. painted the well towers and platforms.

Electrical

- Maintain and replace solenoids, micro switches, in vaults and pumps @ pumping stations.
- Replaced sump pumps in vaults at wells, vaults in pumping stations.
- Changed out more standard lights to LED in Buildings.
- Maintain and repaired or replaced security keypads, sensors, and security lock systems.
- Maintain and repair or replace components on emergency lighting as needed.
- Maintained and replaced components as needed on North and South automatic gates.
- Repair locating devices as needed and some circuit boards on other devices for locator dept.
- Installed wire chases to protect wires from damage on magnetic contactor for security system door and jamb on steel water towers.
- Maintain and repair HVAC system components that can legally be done.

- Repaired gateway for reading water meters at fire station #7 and it had water in it. There was no internet and found a module to protect the circuit board that was open, so it was replaced.
- Upgraded 12V transformer within main electrical room at Canal location.

Building Maintenance

- Installed new eye wash stations within the operations building.
- Installed new LED fixtures in the Administration building interior offices.
- Regular custodial cleaning of the operations building and all other buildings.
- The sanding and repainting and new carpet in the Inventory Manager's office.
- Router and cleaned all floor drains within the Glick Building.
- Replaced filters and cleaned AC units at all facilities.
- Changed oil in all air compressors.
- Keeping sidewalks and entrances safe at Water Works locations during the winter.
- Maintain all UPS backups at Water Works.
- Repaired door locks and door handles on Water Works building and gates.
- Repaired window actuators on Water Works buildings.
- Repaired HVAC systems on some boiler and electric and gas heating systems.
- Ran 5G wire to assist Mulhaupt's in Security System upgrades.
- Removed all unwanted landscaping in and around exterior of Administration building and put new rock down.
- Performed maintenance and repair on security systems on Water Works buildings.
- Murdock pumping station was turned over to Water Works maintenance division, it covers all VFD, 5 pumps, HVAC, electrical, plumbing, etc.
- Columbian Park removed and installed new security cameras.
- All repairs and work needed to service Water Works service gates.

SCADA

- Provide maintenance on SCADA system and repair during the year.

Irrigation Maintenance

- All irrigation assigned to this department, is turned on in the spring and turned off in the fall.

Misc.

- Counting of the inventory in purchasing area.
- Graffiti removal from various areas within the City of Lafayette.
- All employees completed all mandated KnowB4 training, DOT appointments and training, as well as all safety required meetings.

- Mowing, landscape, and trash pick-up of all Water Works properties.
- Moving of vehicles to and from Fleet Maintenance vehicles.
- Participate in the city-wide snow plowing schedule.
- Assist other Departments when requested.
- Turning the Lagoon on and off as requested by Parks Department.
- Repairing constant leaks on the Hypo-Generator to keep it up and running.

Ground Maintenance and Landscape

- The weekly/biweekly mowing of all Water Works locations. Glick Well Field, Plaza South Tower, Glick test well sites, Union Street Tower, Water Works, Canal Rd Park and keeping the landscaping trimmed up within these areas.
- Recent takeover of mowing the Columbian Park Reservoir hill.
- 2-day training with the vendor on the new remote-control mower purchased in 2023 for Columbian Park Reservoir hill. (2 employees can have this done within a day).

Andrew Moore: Operations and Lab Foreman

STAFF

The Operations Department consists of one Operations & Lab Foreman, four System Operators, and one Lab Technician. The Foreman and Lab Technician retain WT2 water treatment licenses as well as DSL large distribution system licenses. There has been considerable turnover in this department over the past two years due to retirements and all the current system operators are obtaining experience over time before they qualify to sit for their licenses.

Service

We provide service twenty-four hours a day, seven days a week, with assistance of an 'on-call' person. We received at least 1705 service calls in the year 2023, which averages out to 142 calls a month. These calls occurred during nights, weekends, and holidays, and consisted of turning on water service, changing out water meter chambers and screens, thawing frozen meters, and much more. There are emergency service requests that we respond to consisting of everything from broken mains, water pipe breaks in homes and businesses, and fire hydrants that have been broken off by vehicles, etc. We also assist the Customer Service Department, Distribution Department, and Maintenance Department here at the Water Works, plus assist the Police, Utility Billing, Facilities Maintenance, Parks, Water Pollution Control, and the Street Department when they are in need of assistance.

Quality

We perform, at a minimum, two rounds of inspections and tests per eight-hour shift to ensure water quality and to ensure proper water treatment process operation at Canal Road Well Field, Glick Well Field, Columbian Park Booster Pump Station, and Murdock Park Booster Pump Station. Cl₂ readings are taken at two remote locations within the city and all 14 wells, and 11 booster pumps are inspected for proper pumping operation. Building maintenance/upkeep is a large undertaking and we make sure janitorial responsibilities are met, painting is kept up, and everything is in good repair.

We monitor, with the assistance of our Supervisory Control and Data Acquisition (SCADA) system, the water levels in our (1) five-million-gallon enclosed reservoir located at Columbian Park, our (1) three-million-gallon underground reservoir located at Murdock Park, our (1) two-million-gallon elevated water tower located at Haggerty Lane, and our (3) one million gallon elevated water towers located at Union Street, Fairgrounds, and Plaza South. The system will alarm when a problem occurs with

high/low water levels, well and pump failures, electrical power failures, and security. If the operator is away from the office the SCADA system will send notifications to a smart phone carried by the operator to let them know about problems as they occur.

Security

Daily we provide a level of security at all locations making sure the areas are well lit and locked. We ensure security systems at each of our locations are working properly by logging into a smart-phone application and making sure they are armed and ready at the end of each day.

Aim

We in Operations are dedicated to moving the City of Lafayette Water Works Operations Department forward in giving our customers the best quality water possible by keeping up with Federal and State regulations, streamlining our processes for better efficiency, providing the customers the quantities of water needed by maintaining suitable water levels, assisting with keeping our production of water up, and improving and updating our water system's security from attack.

Summary

- Worked with Bowen Engineering and Wessler Engineering on repairs and warranty items left over from the Murdock Park Booster Station project.
- Worked with Frakes Engineering on SCADA logic and hardware installations at water towers to allow both booster stations to operate independently from each other and increase system flexibility.
- Operations staff worked with Water Works Maintenance staff to complete installation of new tanks and feed equipment at the Canal Road treatment plant.
- Worked with Wessler Engineering on planning of Glick Wellfield Improvements Project.
- Operations Foreman and Lab Technician performed sampling for the EPA UCMR5 (Unregulated Contaminant Monitoring Rule), as well as PFAS sampling for IDEM.

City of Lafayette Water Works

2023 Usage Report

MONTH	GALLONS PUMPED		TOTAL GALLONS	GALLONS REPUMPED
	CANAL	GLICK	CANAL & GLICK	PARK
January	77,380,086	203,370,426	358,130,598	68,115,669
February	82,285,320	186,706,176	351,276,816	62,814,091
March	89,389,560	203,543,088	382,322,208	74,105,499
April	127,883,880	174,084,342	429,852,102	77,351,521
May	183,442,176	175,569,744	542,454,096	174,877,742
June	246,362,964	178,144,890	670,870,818	156,598,963
July	207,518,562	177,282,936	592,320,060	89,272,970
August	222,140,214	142,163,664	586,444,092	73,026,419
September	208,493,142	137,554,200	554,540,484	242,965,305
October	224,098,644	105,191,304	553,388,592	70,129,443
November	171,261,882	112,686,456	455,210,220	242,965,305
December	159,764,832	111,074,034	430,597,698	73,241,806
Yearly Total	2,000,018,262	1,907,371,260	3,907,389,522	1,405,464,733
Monthly Average	166,668,439	158,947,605	492,283,982	117,122,061
Monthly Minimum	77,380,086	105,191,304	351,276,816	32,814,091
Monthly Maximum	246,362,964	203,543,088	670,870,818	242,965,305

City of Lafayette Water Works

Production Report

Year	Annual Pumpage Canal	Annual Pumpage Glick	Total Annual Pumpage	Daily Average	Maximum Day Pumpage
2018	2,346,018,700	1,036,479,100	3,382,497,800	9,267,117	13,043,083
2019	1,634,013,348	1,543,134,543	3,177,147,891	8,704,515	13,943,810
2020	1,918,757,277	2,049,401,361	3,968,185,638	10,871,741	17,516,140
2021	2,353,014,146	1,750,395,809	4,103,409,955	11,242,219	16,693,444
2022	1,817,597,592	1,607,922,044	3,425,519,636	9,384,985	15,579,805

Water Works Laboratory

Wellhead Protection Program

As part of the Well Head Protection program, wells at the Canal and Glick well fields and the adjacent old City Golf Course are sampled and tested for volatile organic compounds. Nine Canal & five Glick production wells are tested once a year. Forty-one monitoring wells are tested annually or more times for volatile organic compounds at the old City Golf Course. Samples are sent to independent certified labs for analysis.

As the Water Works Lab Technician, we keep updated files of all WHP test results, updating and comparing results monthly. We also complete monthly IDEM Reports.

Lead and Copper Project

In 2023, 30 homes were tested for lead and copper. As in the past we organize and supervise this program, communicating with a certified chemistry lab. We also supply residents with preserved sample bottles and collect paperwork. Results are reported to IDEM and test results are mailed to all residents.

Results: Ninety percent of samples were at or below:

2023	Lafayette	EPA'S Maximum Allowed
COPPER	.389 mg/L	1.3 ppm
LEAD	< 1.0 ug/L	15 ppb

Lafayette adds a specially blended polyphosphate designed to minimize corrosion scale, and red water conditions (Iron). Since we continue to be in compliance with State and EPA lead and copper regulations, we have been granted "reduced monitoring" status for the upcoming years, testing once every three years.

Consumer Confidence Report (CCR)

2022 was the 25th year for the annual water quality report for customers or "Consumer Confidence Report. The finished report contains water quality information and testing results, including charts explaining the presence of any man-made or natural chemicals, minerals, etc. Information is also supplied to the Town of Dayton. Even though they purchase water from us, they still need to create their own CCR Report. The report was approved by IDEM, mailed out with water bills and posted on the Internet.

Bacteria Testing in the Distribution System

Public water systems must collect total Coliform samples at sites that are representative of water throughout the distribution system. This is done according to a written sitting plan approved by the commissioner. The monitoring frequency for total Coliforms for community water systems is based on the population served by the system. This requires Lafayette Water Works to collect 70 bacteria samples a month, derived from population base (59,001-70,000). We monitor within the outer boundary of the system monthly. These samples are sent to a State Certified Lab and tested for Total Coliforms. The test results are faxed to IDEM within forty-eight hours and are kept on file.

Other Duties

- Oversee daily operation of lab and equipment
- Keep inventory and order supplies
- Prepare reagents
- Keep accurate, up-to-date records
- Keep up on current and proposed regulations
- Create new report forms, charts, graphs, etc.
- Quality control tests
- Responsible for various reports:
 - Monthly Report Operations (MRO)
 - Daily Lab Report
 - Lead and Copper Report (Pb-Cu)
 - Consumer Confidence Report (CCR)
 - THM's & HAA5 (Trihalomethanes-Halo acetic acids)

2023 Water Sampling and Analysis

TEST	SITES	FREQUENCY
Lead and Copper	Residents' homes	30/ Every three yrs.
42 Volatile Organics	Individual Canal and Glick Wells, WHP as well	Several times each year
42 Volatile Organics	Canal and Glick Entry Points	2nd Qtr. Only. (Waiver)
Bacteria Samples	Distribution System	70/ month—840 in 2022
Alkalinity, pH, Phosphate, Temperature	Distribution System	10 sites at least 1X year
13 Inorganics	Canal and Glick Entry Points	Waiver/ Every three yrs.
Synthetic Organic	Canal and Glick Entry Points	Reduced monitoring
THM's /HAA5	Distribution System	4 / Sites per Qtr.
Combined Chlorine, Phosphate, Fluoride, pH	Canal and Glick Entry Points	4X Daily (by System Operators)
Nitrates	Canal and Glick Entry Points	Yearly

John Burks & Rick Ross: Public Works Inspectors

The Inspector for the Lafayette Water Works Plant is responsible for hydrostatic, bacteria testing and facility inspections. These duties are performed according to a set of guidelines to assure that all new water connections are done according to City Standards.

- Performed 21 Hydrostatic tests
- Performed 118 Bacteria tests
- Performed 0 Well Separation inspection
- Attended 21 Preconstruction Meetings
- Reviewed new maps
- Inspected and checked right of ways on 231 fire hydrants
- Performed 660 site and facility inspections
- Performed 75 meter and meter pit inspections
- Performed 9 Hard flush on Fire lines
- Assisted with utility line locations
- Assisted Construction and Meter Department crews
- Filled 29 systems
- Witnessed chlorination 17.
- Witnessed de-chlorination 17.
- Assisted Customer Service as needed
- Flushed system 77
- Attended Training Events 4
- Turn off 259 / Turn on 270.
- Valve located / repaired 31
- Painted Fire Hydrants 1
- Check for leaks 3
- Located Mains 0

Joe Davenport: Backflow/Cross Connection Inspector

The Backflow/Cross Connection Inspector is responsible for tracking the annual backflow test results for all backflow devices in the City of Lafayette's potable water system, performing annual site surveys to identify any new hazards at a facility, assist in identifying the appropriate backflow device(s) required in new construction, tracking the annual gauge calibration certificates for all backflow testers who submit results and helping with continuing education of local backflow device testers.

- Performed 8 Site Surveys
- Performed 239 Inspections
- Helped Water Facility Inspectors as needed.
- Performed 2 Well Separation Inspections
- Delivered 11 Notices to Test backflow assemblies.
- Helped to log and file incoming maps.
- Filled in for our Utility Locators as needed.
- Made corrections to ARC/GIS and MyGIS manager online mapping.
- Continuing to verify fire line sizes for our Utility Billing Dept.
- Continuing to update and maintain our online Database of Backflow assembly test results through BSIonline and in our Laser fiche system.
- Oversaw Irrigation startup, winterization, and maintenance.
- Assisted with Fire Line Inspections at City Buildings
- Conducted Water Works staff training on MyGISmanager application and mapping.
- Covered several Operation's Shifts
- Conducted Water Works Cross-Training Presentations
- Attended ADA Meetings.
- Cross-Training in several areas of Water Works.