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The City of Lafayette Water Works Plant Annual Report 2024



Ron Hurst, Assistant Superintendent

Lafayette Water Works Mission Statement

The Lafayette Water Works is a 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 2024. 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 2024:

📍 Fire hydrants replaced	7
📍 Fire hydrants repaired	60
📍 Leaks repaired	17
📍 Broken mains repaired	70
📍 Retire old lead services	17
📍 New services	109
📍 Side-taps	26
📍 Updated Meter pits	17
📍 Valves replaced	0
📍 Valves Repaired	0

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 utility 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 3700 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 2024 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 30,677 water account customers. There were 14,117 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 damage 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. We also disconnected 3,386 services for nonpayment.

We are now 100% 5/8 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 customers usage to the hour. If a customer needs that info, we can provide that for them in an email. Currently 8 towers that are in place around Lafayette are reading approximately 70% of our meters and are capable of informing the billing office if someone has a major leak going on. Next year we are looking to add to more towers.

Our Customer Service team also changed out 192 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, operation, broken water main repair and hydrant flushing. During the warmer months paint fire hydrants and maintain lawn maintenance on various City of Lafayette properties to ensure an excellent reflection on our customers, and community. We continue to change out 2" to 8" meters as they go bad.

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. Our Haggerty water tower was cleaned externally by National Wash Authority this year. The 36-inch main that is under the floor grating in the chemical feed building at Canal Road had a section replaced along with a repair clamp, and various injection quills and clamps that were in need of replacement due to corrosion. These maintenance procedures caused a clamp to fail that allowed the water main to become separated and required a special water main clamp to be added and for the water main to be realigned before the Canal Road plant could resume operations. The additional services were supplied by Atlas construction. This process demonstrated approximately how much time that we could keep our Canal well field out of service before we would reach the need to replenish our distribution system. The Wea Ridge water tower was added to our distribution system with a storage capacity of 2 million gallons. 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, Andy Craw, Vern Grenat, John Hamilton, Kent Headley, Holly Johnson, James Karger, Andrew Moore, Bobby Rogers, and Pat Schultz.

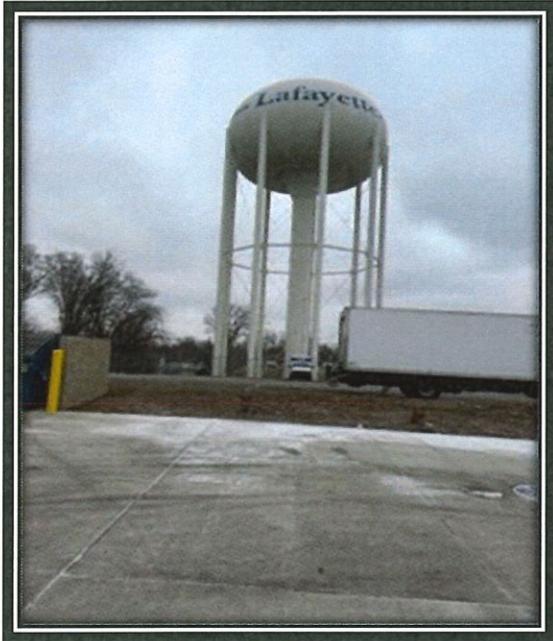
MURDOCK PARK BOOSTER STATION



Wea Ridge Water Tower



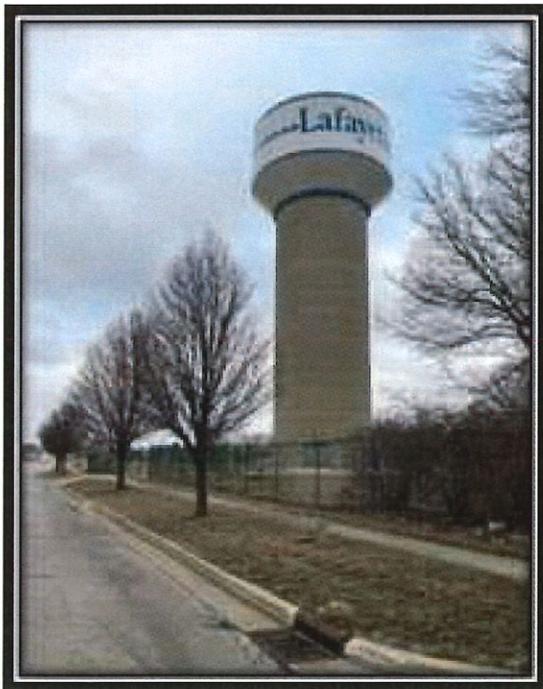
UNION STREET WATER TOWER



FAIRGROUNDS WATER TOWER



PLAZA SOUTH WATER TOWER



HAGGERTY WATER TOWER



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, Water Towers, and all Water Works properties
- Water Treatment Systems, Chlorine equipment,
- Electrical ~ Emergency Generators, Lighting & Batteries
- Tools ~ Inventory for Vehicles and Storage
- Calibration and testing Chlorine and Hydrogen sensors
- HVAC and Boiler units

Wells, Pumps & Gen-Sets

- Well rehabilitation on Glick wells #2 and #4. Canal well #1
- Well Clay-valve diaphragms replacement Canal #7 and Glick #2
- Changed oil, oil filters and fuel filters in all 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 ALL wells at Glick and Canal Locations
- Glick Well Field hauling out dirt for new road installation.
- Canal well motor removal and reset on well #1 and #6
- Replaced 3 fuel lines in Genset #1 at Canal.
- Installed new schedule 80 pvc piping for ammonia tank.
- Installed an underground chase for all chemical feed lines from main building to vault.
- Ran all new chemical feed lines from main building to vault.
- Overboard process of 14 wells to help determine well maintenance that may be need.
- Well #4 Glick re-enforced footers (10 yards of concrete)
- Painting of well platforms at Canal location.

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.
- Repaired 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. (Total tear down and rehabilitation)
- Weekly well depth readings.
- Repairs to waters softener after Hypo-unit and 36 inch main completed
- 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.
- Work on the preparation of the 36-inch main repair and updates with new quill, corps and spool. (several days event)

Water Towers/Reservoir

- Maintain and repair Ethernet cables and connectors for communication for Scada.
- Monthly tower inspections
- Maintain Security systems in 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.
- Assisted in the filling and stabilizing of the Wea Tower with water in preparation of putting online.
- Sweep floors in composite towers and clean out bugs in light assembly.
- Installation of new analyzers at the reservoir and within water towers
- Fill Lagoon at the Park upon request by the Parks Department

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 we found a module to protect the circuit board that was open, so it was replaced.

Building Maintenance

- Installed new eye wash stations within the Operations building.
- Worked with Reynolds Construction and Houston Electric for Glick Building Updates
- Regular custodial cleaning of the operations and all other buildings.
- The sanding, repainting, and installation of new locked storage center in the meter room for the Inventory Manager.
- Router out and cleaning of all floors 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.
- Repair door locks and door handle on water works building and gates.
- Repair roof leaks on ladder roof systems on water works buildings.
- Repair window actuators on water works buildings.
- Repair 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.
- Performed maintenance and repair on security systems on water works buildings

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.
- Winterizing drinking fountains within the downtown area
- Graffiti removal from various areas within the City of Lafayette.
- The spraying of weeds at curblines within the City of Lafayette, in snow routes 3 and 4.
- Mowing and landscape of all Water Works properties.
- Moving of vehicles to and from Fleet Maintenance vehicles.
- Participate in the city-wide snow plowing schedule.
- Participating in the Flushing of Fire Hydrants for a 2-week period, twice a year.
- Pipeline Training for all employees

- Participating in City wide training for the KnowB4
- All Maintenance Employees participate in Wessler Lead and Copper Project.
- All Maintenance Employees participate in Bowens Confined space/trench safety.
- Worked with Construction crew on forming up, pouring and finishing concrete at the Water Works- Canal location.
- Removed trees damaged by high winds during storm.
- Inspecting and measuring for HVAC filters for Murdock Park Building.
- Mandated CDL training for employees that needed to obtain the CDL License
- Assist Facilities in the installation of the new HVAC system on the operations building.
- Assist Construction and Customer Service within Water Works Department as requested.
- We have an employee within the Maintenance Division that works with new, Water Works CDL drivers to obtains their required hours for CDL License. This is required by the state.
- Rehab an old construction, truck #422 with rhino lining and a ladder rack to be used in the maintenance division

Andrew Moore: Operations and Lab Foreperson

STAFF

The Operations Department consists of one Operations & Lab Foreperson, four System Operators, and one Lab Technician. The Foreperson 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 and all of 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 1087 service calls in the year 2024, which averages out to 91 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 (2) two-million-gallon elevated water tower located at Haggerty Lane and Wea Ridge, 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

On a daily basis 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 Caldwell Tanks and BF&S on the construction and commissioning of the Wea Ridge two-million gallon water tower.
- Worked with Frakes Engineering and IT on deploying new SCADA client machines and upgrading software to the current generation.
- Worked with Wessler Engineering, Reynolds Construction, Huston Electric, and Frakes Engineering on the Glick Improvements Project. During 2024 this included installation of new chemical feed pumps, new wiring and conduit ran throughout building to new equipment, excavating and underground electric ran, installation of Caterpillar genset, and work done at individual Glick wells to prepare for integration of variable frequency drives and other equipment.
- Worked with Kirby Risk on identifying and sourcing spare components for Wea Ridge and Murdock Park SCADA panels.

City of Lafayette Water Works

2024 Usage Report

MONTH	GALLONS PUMPED		TOTAL	GALLONS
	CANAL	GLICK	CANAL & GLICK	REPUMPED PARK
January	159,891,462	127,609,176	287,500,638	73,451,366
February	155,160,282	112,357,566	267,517,848	64,742,013
March	161,553,552	105,832,698	267,386,250	69,304,618
April	174,574,278	101,486,676	276,060,954	67,588,957
May	199,763,034	105,241,488	305,004,522	73,004,739
June	258,458,520	102,109,554	360,568,074	79,354,759
July	222,831,954	125,103,822	347,935,776	91,587,784
August	198,594,648	151,830,684	350,425,332	72,096,965
September	176,436,354	148,217,904	324,654,258	67,930,983
October	179,945,808	122,606,424	302,552,232	83,751,579
November	138,731,232	109,532,688	248,263,920	65,827,139
December	136,696,812	122,374,146	259,070,958	68,503,700
Yearly Total	2,162,637,936	1,434,302,826	3,596,940,762	877,144,602
Monthly Average	180,219,828	119,525,236	299,745,064	73,095,384
Monthly Minimum	136,696,812	101,486,676	248,263,920	64,742,013
Monthly Maximum	258,458,520	151,830,684	360,568,074	91,587,784

City of Lafayette Water Works

Production Report

Year	Annual Pumpage Canal	Annual Pumpage Glick	Total Annual Pumpage	Daily Average	Maximum Day Pumpage
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
2023	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. Forty-one monitoring wells are tested 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 2022, 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:

2022	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)

2024 was the 27th 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 80 bacteria samples a month, derived from population base (70,001-83,000). 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

- ② Oversee daily operation of lab and equipment
- ② Keep inventory and order supplies
- ② Prepare reagents
- ② Keep accurate, up-to-date records
- ② Keep up on current and proposed regulations
- ② Create new report forms, charts, graphs, etc.
- ② Quality control tests
- ② 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-Haloacetic Acids)

2024 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	80/ month—960 in 2024
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

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.

- ④ Performed 31 Hydrostatic tests.
- ④ Performed 205 Bacteria tests.
- ④ Performed 0 Well Separation inspection
- ④ Attended 16 Preconstruction Meetings
- ④ Reviewed new maps
- ④ Inspected and checked right of ways on 164 fire hydrants.
- ④ Performed 701 site and facility inspections.
- ④ Performed 80 meter and meter pit inspections.
- ④ Performed 12 Hard flush on Fire lines.
- ④ Assisted with utility line locations
- ④ Assisted Construction and Meter Department crews
- ④ Filled 19 systems.
- ④ Witnessed chlorination 20.
- ④ Witnessed de-chlorination 20.
- ④ Assisted Customer Service as needed.
- ④ Flushed system 92
- ④ Attended Training Events 0
- ④ Turn off 230 / Turn on 219.
- ④ Valve located / repaired / 39.
- ④ Painted Fire Hydrants 5
- ④ Check for leaks 2.
- ④ 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.

- ④ Performed 11 Site Surveys
- ④ Performed 170 Inspections
- ④ Helped Water Facility Inspectors as needed.
- ④ Performed 2 Well Separation Inspection
- ④ Delivered 17 Notices to Test backflow assemblies.
- ④ Helped to log and file incoming maps.
- ④ Filled in for our Utility Locators as needed.
- ④ Made corrections to ARC/GIS and MyGIS manager online mapping.
- ④ Continuing to verify fire line sizes for our Utility Billing Dept.
- ④ Continuing to update and maintain our online Database of Backflow assembly test results through BSionline and in our Laser fiche system.
- ④ Oversaw Irrigation startup, winterization and maintenance.
- ④ Assisted with Fire Line Inspections at City Buildings
- ④ Conducted Water Works staff training on MyGISmanager application and mapping.
- ④ Conducted Water Works Cross-Training Presentations
- ④ Attended ADA Meetings
- ④ Cross-Training in several areas of Water Works