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|  |  | CITY OF PATTERSON WATER SYSTEM | | |  |

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|  |  |  |  | |  | | --- | | **The Water We Drink** | | | | | | | | | | | | | | | | | | | | | | | |  | |
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|  |  |  |  | |  | | --- | | **PATTERSON WATER SYSTEM** | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  |  |  |  | |  | | --- | | Public Water Supply ID: LA1101006 | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  |  |  |  | |  | | --- | | We are pleased to present to you the Annual Water Quality Report for the year 2024.  This report is designed to inform you about the quality of your water and services we deliver to you every day (Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien).  Our constant goal is to provide you with a safe and dependable supply of drinking water.  We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources.  We are committed to ensuring the quality of your water.  Our water source(s) are listed below: | | | | | | | | | | | | | | | | | | | | | | | |  | |
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|  |  |  |  |  |  |  |  |  |  | |  | |  |  | | --- | --- | | Source Name | Source Water Type | | BAYOU TECHE RW INTAKE-2 | Surface water | | | | | | | | | |  | | | | | |  | |
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|  |  |  |  | |  | | --- | | There is no safe level of lead in drinking water. Exposure to lead in drinking water can cause serious health effects in all age groups, especially pregnant people, infants (both formula-fed and breastfed), and young children. Some of the health effects to infants and children include decreases in IQ and attention span. Lead exposure can also result in new or worsened learning and behavior problems. The children of persons who are exposed to lead before or during pregnancy may be at increased risk of these harmful health effects. Adults have increased risks of heart disease, high blood pressure, kidney or nervous system problems. Contact your health care provider for more information about your risks.                  The Louisiana Department of Health and Hospitals - Office of Public Health routinely monitors for constituents in your drinking water according to Federal and State laws.  The tables that follow show the results of our monitoring during the period of January 1st to December 31st, 2024.  Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The pre8ence of contaminants does not necessarily indicate that water poses a health risk.                  In the tables below, you will find many terms and abbreviations you might not be familiar with.  To help you better understand these terms, we’ve provided the following definitions:  Parts per million (ppm) or Milligrams per liter (mg/L) – one part per million corresponds to one minute in two years or a single penny in $10,000.  Parts per billion (ppb) or Micrograms per liter (ug/L) – one part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.  Picocuries per liter (pCi/L) – picocuries per liter is a measure of the radioactivity in water.  Nephelometric Turbidity Unit (NTU) – nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.  Treatment Technique (TT) – an enforceable procedure or level of technological performance which public water systems must follow to ensure control of a contaminant.  Action level (AL) – the concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.  Maximum contaminant level (MCL) – the “Maximum Allowed” MCL is the highest level of a contaminant that is allowed in drinking water.  MCL’s are set as close to the MCLG’s as feasible using the best available treatment technology.  Maximum contaminant level goal (MCLG) – the “Goal” is the level of a contaminant in drinking water below which there is no known or expected risk to human health.  MCLG’s allow for a margin of safety.  Maximum residual disinfectant level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.  Maximum residual disinfectant level goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.  Level 1 assessment – A study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.  Level 2 Assessment – A very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions. | | | | | | | | | | | | | | | | | | | | | | | |  | |
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|  |  |  |  | |  | | --- | | Our water system tested a minimum of 9 sample(s) per month in accordance with the Total Coliform Rule for microbiological contaminants.  With the microbiological samples collected, the water system collects disinfectant residuals to ensure control of microbial growth. | | | | | | | | | | | | | | | | | | | | | | | |  | |
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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | Disinfectant | Date | HighestRAA | Unit | Range | MRDL | MRDLG | Typical Source | | CHLORAMINE | 2024 | 2.2 | ppm | 0.13 - 4.4 | 4 | 4 | Water additive used to control microbes | | CHLORITE | 2024 | 0.57 | ppm | 0.05-0.57 | 1 | 0.8 | By-product of drinking water disinfection | | CHLORINE  DIOXIDE | 2024 | 0.38 | ppb | 0-0.38 | 800 | 800 | Water additive used to control microbes | | | | | | | | | | | | | | | | | | | | | |
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|  |  |  |  | |  | | --- | | In the tables below, we have shown the regulated contaminants that were detected. Chemical Sampling of our drinking water may not be required on an annual basis; therefore, information provided in this table refers back to the latest year of chemical sampling results. | | | | | | | | | | | | | | | | | | | | | | | |  | |
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|  |  |  |  |  |  |  | |  |  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Treated Secondary Contaminants | Collection Date | Highest Value | Range | Unit | SMCL | | ALUMINUM | 1/21/2024 | 0.03 | 0.03 | MG/L | 0.2 | | CHLORIDE | 1/21/2024 | 32 | 32 | MG/L | 250 | | HARDNESS, TOTAL (AS CACO3) | 1/21/2024 | 94.2 | 94.2 | MG/L | 0 | | IRON | 1/21/2024 | 0.01 | 0.01 | MG/L | 0.3 | | PH | 1/21/2024 | 6.73 | 6.73 | PH | 8.5 | | POTASSIUM | 1/21/2024 | 3.6 | 3.6 | MG/L | 0 | | SODIUM | 1/21/2024 | 31 | 31 | MG/L | 0 | | SULFATE | 1/21/2024 | 41 | 41 | MG/L | 250 | | | | | | | | | | | | | | | | | | |  | |
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|  |  |  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Unresolved significant deficiencies that were identified during a survey done on the water system are shown below. | | | | | | | Date Identified | Facility | Code | Activity | Due Date | Description | | 5/13/2020 | WATER SYSTEM | OT101 | IESWTR ADDRESS DEFICIENCIES | 9/23/2020 | Critical System Component; Critical water system component is in poor condition or defective and indicative of failure or imminent failure. Component failure is expected to critically impact the quality and/or quantity of produced water.; | | 5/13/2020 | WATER SYSTEM | OT101 | IESWTR APPROVED CORRECTIVE ACTION PLAN | 8/30/2022 | Critical System Component; Critical water system component is in poor condition or defective and indicative of failure or imminent failure. Component failure is expected to critically impact the quality and/or quantity of produced water.; | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  |  |  |  | | |  |  | Surface Water Systems Turbidity  Month Highest Finished/Combined Effluent Turbidity (for the month)  **January** **0.30**  February 0.28  March 0.30  April 0.30  May 0.30  June 0.30  July 0.30  August 0.30  September 0.30  October 0.30  November 0.30  December 0.29   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Regulated Contaminants | Collection Date | Highest Value | Range | Unit | MCL | MCLG | Typical Source |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Turbidity** | 1/17/2024 | 0.30 | 0.28-0.30 | NTU | 0.3 | Soil runoff | | | | | | | | | |
|  | Regulated Contaminants | Collection Date | Lowest Percentage Value | Range | Unit | MCL | MCLG | Typical Source |
| TURBIDITY | 02/2024 | 100 | 100 | NTU | 0.3 | | Soil runoff |
|  | “Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. The major sources of turbidity include soil runoff. | | | | | |  | | |
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|  | |  | | --- | | ++++++++++++++Environmental Protection Agency Required Health Effects Language++++++++++++++  Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800–426–4791).  Lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. PATTERSON WATER SYSTEM is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact PATTERSON WATER SYSTEM and RODNEY GROGAN BUS Phone: 985-395-5205. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead.> Our lead data and service line inventories can be found on-line at [www.cityofpattersonla.gov](http://www.cityofpattersonla.gov). | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | |  | | --- | | Additional Required Health Effects Language: | | Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer. | | | | | | | | | | | | | | | | | | | | | | | | |  |
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|  |  | |  | | --- | | There are no additional required health effects violation notices. | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
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| |  | | --- | | +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++                  Thank you for allowing us to continue providing your family with clean, quality water this year.  In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers.     Our water grade is **85 %.** Our water system report card can be found below and at [www.cityofpattersonla.gov](http://www.cityofpattersonla.gov); [www.ldh.la.gov/watergrade](http://www.ldh.la.gov/watergrade). Copies are available at City Hall 1314 Main Street, Monday thru Thursday from 8:30am-4:00pm and Fridays 8:00am to noon.                      We at the PATTERSON WATER SYSTEM work around the clock to provide top quality drinking water to every tap.  We ask that all our customers help us protect and conserve our water sources, which are the heart of our community, our way of life, and our children's future. Additional information on the water system can be found at [www.ldh.la.gov/watergrade](http://www.ldh.la.gov/watergrade). Please call our office if you have questions. | |  | | | | | | | | | | | | | | | | | | | | | | | | | |  |
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