

**“The Water We Drink...”**  
**Autumn Haven Water System**  
**Public Water Supply ID: LA1103190**

**H2O Systems, Inc., is pleased to present to you the 2017 Annual Water Quality Report.** This report is designed to inform you about the quality of 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 available and protect our water resources. We are committed to ensuring the quality of your water. Our water source(s) are listed below:

**Source Name :** AUTUMN HAVEN WELL

**Source Water Type:** GROUNDWATER

**Information on Source Water**

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive materials, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

Microbial Contaminants – such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic Contaminants – such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, or domestic wastewater discharges, oil and gas production, mining or farming.

Pesticides and Herbicides – which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

Organic Chemical Contaminants – including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

Radioactive Contaminants – which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health. If you have any questions about this report or concerning your water utility, please contact us at (985)626-5132. We want our valued customers to be informed about their water utility.

**All Drinking Water May Contain Contaminants**

Drinking water, including bottled water, may be reasonably expected to contain at least small amounts of contaminants. It is important to remember that the mere presence of these contaminants does NOT necessarily indicate that water poses a health risk.

**Required Health Information about Lead and Copper:**

If present, elevated levels of 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. H2O Systems, Inc., is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

**Additional 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 microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Infants and children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels in your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and flush your tap 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking Water Hotline (800-426-4761).

### WATER QUALITY DATA TABLES

The Louisiana Dept of Health and Hospitals - Office of Public Health routinely monitors for constituents in your drinking water according to Federal and State laws. The tables contained in this report show the results of our monitoring during the period of **January 1st to December 31st, 2017**.

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 results.

| Monitoring Violations  |                             |                 |              |           |      |                |   |   |  |
|--|-----------------------------|-----------------|--------------|-----------|------|----------------|---|---|--|
| Type   | Category                    | Analyte         |              |           |      |                | Compliance Period   |   |  |
| <b>No Violations Occurred in the Calendar Year of 2017</b>   |                             |                 |              |           |      |                |   |   |  |
| Microbiological Contaminants   |                             |                 |              |           |      |                |   |   |  |
| Microbiological  | Result                      | MCL             |              |           | MCLG |                | Typical Source  |   |  |
| Our water system tested a minimum of 1 samples per month monthly sample(s) in accordance with the Total Coliform Rule for microbiological contaminants. With the microbiological samples collected, the water system collect disinfectant residuals to ensure control of microbial growth.<br><b>No Detected Results were Found in the Calendar Year of 2017</b> |                             |                 |              |           |      |                |   |   |  |
| Regulated Contaminants   |                             |                 |              |           |      |                |   |   |  |
| Regulated Contaminants   | Collection Date             | Highest Value   | Range        | Unit      | MCL  | MCLG           | Typical Source  |   |  |
| FLUORIDE   | 9/20/2016                   | 0.3             | 0.3          | ppm       | 4    | 4              | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories |   |  |
| NITRATE-NITRITE  | 4/25/2017                   | 0.034           | 0.034        | ppm       | 10   | 10             | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits                               |   |  |
| Lead and Copper  |                             |                 |              |           |      |                |   |   |  |
| Lead & Copper  | Date                        | 90th Percentile | Range        | Unit      | AL   | Sites Other AL | Typical Source  |   |  |
| <b>No Detected Results were Found in the Calendar Year of 2017</b>   |                             |                 |              |           |      |                |   |   |  |
| Disinfection Byproduct   |                             |                 |              |           |      |                |   |   |  |
| Disinfection Byproducts  | Sample Point                | Period          | Highest LRAA | Range     | Unit | MCL            | MCLG  | Typical Source                            |  |
| TOTAL HALOACETIC ACIDS (HAA5)  | 127 MISTY CREEK DR          | 2017            | 12           | 11.9-11.9 | ppb  | 60             | 0   | By-product of drinking water disinfection |  |
| TOTAL HALOACETIC ACIDS (HAA5)  | RECREATION DR OFF HAVEN WAY | 2017            | 11           | 10.7-10.7 | ppb  | 60             | 0   | By-product of drinking water disinfection |  |
| TTHM   | 127 MISTY CREEK DR          | 2017            | 37           | 36.8-36.8 | ppb  | 80             | 0   | By-product of drinking water chlorination |  |
| TTHM   | RECREATION DR OFF HAVEN WAY | 2017            | 40           | 39.5-39.5 | ppb  | 80             | 0   | By-product of drinking water chlorination |  |
| Secondary Contaminants   |                             |                 |              |           |      |                |   |   |  |
| Secondary Contaminants   | Collection Date             | Highest Value   |              | Range     |      | Unit           |   | SMCL                                      |  |
| ALUMINUM   | 9/20/2017                   | 0.01            |              | 0.01      |      | MG/L           |   | 0.05                                      |  |
| CHLORIDE   | 9/20/2017                   | 54.7            |              | 54.7      |      | MG/L           |   | 250                                       |  |
| IRON   | 9/20/2017                   | 0.01            |              | 0.01      |      | MG/L           |   | 0.3                                       |  |
| MANGANESE  | 9/20/2017                   | 0.01            |              | 0.01      |      | MG/L           |   | 0.05                                      |  |
| PH   | 9/20/2017                   | 8.94            |              | 8.94      |      | PH             |   | 8.5                                       |  |
| SULFATE  | 9/20/2017                   | 9               |              | 9         |      | MG/L           |   | 250                                       |  |
| Radionuclides  |                             |                 |              |           |      |                |   |   |  |
| Radionuclides  | Collection Date             | Highest Value   | Range        | Unit      | MCL  | MCLG           | Typical Source  |   |  |
| <b>No Detected Results were Found in the Calendar Year of 2017</b>   |                             |                 |              |           |      |                |   |   |  |
| Addendum to Consumer Confidence Report (CCR) – Water We Drink  |                             |                 |              |           |      |                |   |   |  |
| Contaminants   | Date                        | Result          | Unit         | Range     | MRDL | MRDLG          | Typical Source  |   |  |
| Chlorine   | 2017                        | 1.08            | ppm          | .89-1.62  | 4    | 4              | Water additive used to control microbes   |   |  |

**Definitions:**

The preceding tables may contain many terms and abbreviations that you might not be familiar with. To help you better understand the terms used in the drinking water industry, 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* - 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.

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*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. MCLs are set as close to the MCLGs 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 health. MCLGs 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 Disinfection 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 contamination.

*Level 1 assessment* – A study of the water system to identify potential problems and determine (if possible) why total coliform bacterial 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 and E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Thank you for allowing us to continue providing your family with clean, quality drinking 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. Please call our office at (985)626-5132, if you have any questions or concerns.

**We at H2O Systems Inc 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.**

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Autumn Haven  
Water Supply  
PWS ID# LA1103190

**2017**

**Consumer**

**Confidence**

**Report**

