

“The Water We Drink...”

H²O Systems, Inc.
Grand Palms Water System
Public Water Supply Id 1103142

We're pleased to present to you the 2016 Annual Water Quality Report. This report is designed to inform you about the quality of your water and the 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 at H²O Systems, Inc., are committed to ensuring the drinking quality of your water. Our water source is listed below:

Source Name: WOODLANDS APT WELL

Source Water Type: GROUNDWATER

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 material, 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, industrial, 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.

A Source Water Assessment Plan (SWAP) is now available from our office. This plan is an assessment of a delineated area around our listed sources through which contaminants, if present, could migrate and reach our source water. It also includes an inventory of potential sources of contamination within the delineated area, and a determination of the water supply's susceptibility to contamination by the identified potential sources. According to the Source Water Assessment Plan, our water system had a susceptibility rating of 'MEDIUM'. If you would like to review the Source Water Assessment Plan, please feel free to contact our office at the number provided in the following paragraph.

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 concerning 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 & 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 by Environmental Protection Agency (EPA)

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).

WATER QUALITY DATA TABLES

The Louisiana Dept of Health and Hospitals - Office of Public Health routinely monitors for contaminants 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, 2016**.

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.

Monitoring Violations			
Type	Category	Analyte	Compliance Period
FOLLOW-UP OR ROUTINE TAP M/R (LCR)		LEAD&COPPER RULE	1/1/2014-12/31/2016
Microbiological Contaminants			
Microbiological	Result	MCL	MCLG
Our water system tested a minimum of 1 sample(s) per month in accordance with the Total Coliform Rule for microbiological contaminants. <i>No Detected Results were Found in the Calendar Year of 2016</i>			

Regulated Contaminants							
Regulated Contaminant	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
BARIUM	04/27/2016	0.023	0.023	Ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
FLUORIDE	04/27/2016	0.23	0.23	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories

Radioactive Contaminants							
Radionuclides	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
<i>No Detected Results we Found in the Calendar Year of 2016</i>							

Lead and Copper							
Lead and Copper	Date	90 th Percentile	Range	Unit	AL	Sites over AL	Typical Source
COPPER	2011 – 2013	0.5	0.1 – 1.3	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2011 – 2013	3	1 - 5	ppb	15	0	Corrosion of household plumbing systems; Erosion of natural deposits

Disinfection Byproducts								
Disinfection Byproducts	Sample Point	Period	Highest LRAA	Range	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	NORTH SIDE OF BLDG 5	2016	0	0 – 0	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	WEST SIDE OF BLDG 1	2016	0	0 – 0	ppb	60	0	By-product of drinking water disinfection
TTHM	NORTH SIDE OF BLDG 5	2016	0	0 - 0	ppb	80	0	By-product of drinking water chlorination
TTHM	WEST SIDE OF BLDG 1	2016	0	0 - 0	ppb	80	0	By-product of drinking water chlorination

Secondary Contaminants					
Secondary Contaminants	Collection Date	Highest Value	Range	Unit	SMCL
CHLORIDE	4/27/2016	3.9	3.9	MG/L	250
IRON	4/27/2016	0.27	0.27	MG/L	0.3
MANGANESE	4/27/2016	0.12	0.12	MG/L	0.05
PH	4/27/2016	7.8	7.8	SU	8.5
SULFATE	4/27/2016	8.9	8.9	MG/L	250

Addendum to Consumer Confidence Report - 2016							
Contaminants	Date	Result	Unit	Range	MRDL	MRDLG	Typical Source
Chloramines	2016	1.26	ppm	0.97-1.69	4	4	Water additive used to control microbes

Definitions

In the tables above, you will find many terms and abbreviations 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.

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 - 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 - The "Goal"(MCLG) 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 disinfection 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 contamination.

Thank you for allowing us to continue providing your family with clean, quality water this year. Again, please call our office at (985)626-5132 if you have questions.

We at H2O Systems, Inc., work around the clock to provide top quality 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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Grand Palms
Water System
PWS ID# LA1103142

2016

Consumer

Confidence

Report

