

2016 Annual Drinking Water Quality Report the City Of Avon Park

PWS ID#: 6280049

Water Source, Source Water Plans and Treatment

We're pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. 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.

The Florida Department of Environmental Protection (FDEP) performed a Source Water Assessment on the system in 2016. This assessment was conducted to provide information about any potential sources of contamination in the vicinity of the wells. Potential sources of contamination identified included underground petroleum storage tanks, injection wells, and industrial wastewater treatment plants. The assessment results are available on the DEP Source Water Assessment and Protection Program website at www.dep.state.fl.us/swapp.

Our water source(s) for the City of Avon Park comes from five (5) wells that draw water from the Floridian Aquifer. Our water treatment process for the City consists of adding phosphate and chlorine at our Bell St. treatment facility, chlorine and phosphate at our Glenwood facility, and chlorine at our Crystal Lake facility before the water is delivered to your home or business.

Basic Statement of Compliance

We are pleased to report that our drinking water meets all federal and state requirements.

Contact Information

For questions on this report, please contact Brenda Sliva, Administrative Services Coordinator at (863)452-4400, 110 E. Main Street, Avon Park, FL. 33825, or bsliva@avonpark.cc

Period Covered by Report

The City of Avon Park routinely monitors for contaminants in your drinking water according to Federal and State laws, rules, and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1 to December 31, 2016. Data obtained before January 1, 2016, and presented in this report are from the most recent testing done in accordance with the laws, rules, and regulations

Terms and Abbreviations

In the table below, you may find unfamiliar terms and abbreviations. To help you better understand these terms we've provided the following definitions:

Maximum Contaminant Level or MCL: 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 or MCLG: 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.

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Locational Running Annual Average (LRAA): the average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters.

Maximum residual disinfectant level or 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 or 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.

Parts per billion (ppb) or Micrograms per liter ($\mu\text{g}/\text{l}$): one part by weight of analyte to 1 billion parts by weight of the water sample.

Parts per million (ppm) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample.

Water Quality Test Results

Inorganic Contaminants							
Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Barium (ppm)	7/8/2014	N	0.035	0.017-0.035	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride (ppm)	7/8/2014	N	0.08	N/A	4	4.0	Erosion of natural deposits; discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth when at the optimum level of 0.7 ppm
Nitrate (as Nitrogen) (ppm)	3/16/2016	N	.01	0-.01	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium (ppb)	7/8/2014	N	0.0012	0-0.0012	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium (ppm)	7/8/2014	N	9.1	8.3-9.1	N/A	160	Salt water intrusion, leaching from soil
Synthetic Organic Contaminants including Pesticides and Herbicides							
Dalapon (ppb)	11/7/2014	N	0.35	0-0.35	200	200	Runoff from herbicide used on rights of way
Stage 2 Disinfectants and Disinfection By-Products							
Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL Violation (Y/N)	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Haloacetic Acids (HAA5) (ppb)	2/10/2016 8/17/2016	N	2.79	2.79-2.93	N/A	60	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	2/10/2016 8/17/2016	N	7.2	7.2-5.0	N/A	80	By-product of drinking water disinfection

Other Important Information About Water Quality

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. The City of Avon Park 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>.

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 the 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:

- (A) *Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.*
- (B) *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.*
- (C) *Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.*
- (D) *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.*
- (E) *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, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Required Vulnerable Population 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).

Closing Language

“Please DO NOT FLUSH your unused/unwanted medications down toilets or sink drains. For more information, please click here at <http://www.dep.state.fl.us/waste/categories/medications/pages/disposal.htm>.”

The City of Avon Park works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children’s future. If you have any questions or concerns about the information provided, please feel free to call any of the numbers listed.

ADDENDUM

We monitored for a specific list of Unregulated Contaminants (UCs) during the time period of 2013 - 2015 as part of a study to help the U.S. Environmental Protection Agency (EPA) determine the occurrence in drinking water of UCs and whether or not these contaminants need to be regulated. At present, no health standards (for example, maximum contaminant levels) or likely sources have been established for UCs. However, we are required to publish the detected analytical results of our UC monitoring in our annual water quality report. For the complete list of results, including the non-detected contaminants, contact Jonathan Delgado at (863) 443-1806. If you would like more information on the EPA’s Unregulated Contaminants Monitoring Rule, please call the Safe Drinking Water Hotline at (800) 426-4791.

Below is the table of UCMR3 parameters that were detected at our water system:

Unregulated Contaminants			
Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	Level Detected	Range of Results
Chlorate (ppb)	4/15	256	157 - 256
Chromium (ppb)	5/15	0.24	0.21 - 0.24
Chromium 6 (ppb)	10/14	0.066	0.055 - 0.066
Molybdenum (ppb)	4/15	2.7	1.7 – 2.7
Strontium (ppb)	4/15	1490	551 - 1490