

Mayo Center and Apartments 2017 Drinking Water Quality Report

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Important Information About Your Drinking Water

We're pleased to present to you the Annual Water Quality Report for 2017 for the Mayo Center and Apartments. This report is designed to inform you about the water quality and services we deliver to you every day. The Mayo Center water treatment system serves the strip mall and a thirty-six unit apartment complex. The Maryland Environmental Service began operation of the water system on May 1, 2018.

The Environmental Protection Agency (EPA) regulates Public Water Systems and the contaminants found in water through the implementation of the Safe Drinking Water Act (SDWA). The SDWA sets regulations and guidelines for how public water systems operate and identifies several hundred drinking water contaminants, establishes monitoring frequencies and limitations. The Maryland Department of the Environment (MDE) is responsible for the enforcement of the SDWA and routinely completes Sanitary Surveys as part of their ongoing inspection and monitoring program.

If you have any questions about this report or have questions concerning your water utility, please contact **Jack Henley with the 827 Mayo Road LLC Partnership at (410) 266-6500.**

For More Information:

For the opportunity to ask more questions or participate in decisions that may affect your drinking water quality, please contact Jack Henley with the 827 Mayo Road LLC Partnership at (410)266-6500.

The Mayo Center water system consists of two deep wells in the Magothy aquifer. After the water is pumped out of each well it is run through a softener system. Since the raw water source is protected and of high quality, no additional treatment is provided. The Maryland Department of the Environment has performed an assessment of the source water. A copy of the results can be made available.

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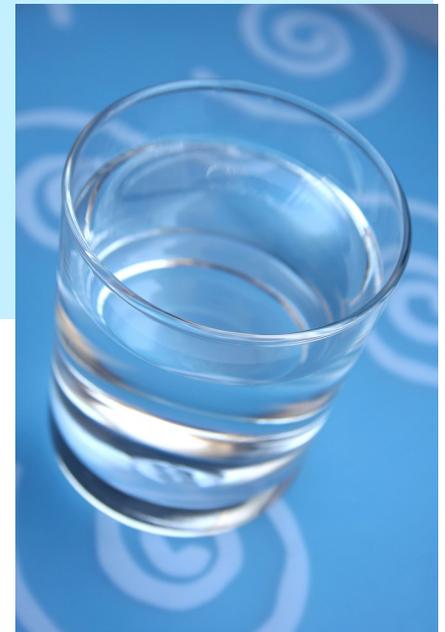
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Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or 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 and the Center for Disease Control and Prevention guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the **Safe Drinking Water Hotline (1-800-426-4791).**

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Definitions:

- ◆ **Maximum Contaminant Level Goal (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.
- ◆ **Maximum Contaminant Level (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.
- ◆ **Action Level** - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow
- ◆ **Treatment Technique (TT)** - A required process intended to reduce the level of a contaminant in drinking water
- ◆ **Turbidity** - Relates to a condition where suspended particles are present in the water. Turbidity measurements are a way to describe the level of “cloudiness” of the water.
- ◆ **pCi/l** - Picocuries per liter. A measure of radiation.
- ◆ **ppb** - parts per billion or micrograms per liter
- ◆ **ppm** - parts per million or milligrams per liter



Special points of interest:

The water system serving the Mayo Center is tested for over 120 different compounds.

The Mayo Center’s Drinking Water met all of the State and Federal requirements. Drinking Water, including bottled water, may reasonably be expected to contain at least small amounts of some compounds. The presence of these compounds does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the **Environmental Protection Agency’s (EPA’s) Safe Drinking Water Act Hotline (1-800-426-4791)**

Important information about Arsenic

Arsenic is a semi-metal element in the periodic table. It is odorless and tasteless. It enters drinking water supplies from natural deposits in the earth or from agricultural and industrial practices. Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system, and may have an increased risk of getting cancer. The arsenic levels are scheduled to be monitored every three years. We are constantly evaluating alternatives and treatment options for reducing the arsenic levels to less than 10 ppb.

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Contaminant	Highest Level Allowed (EPA's MCL)	Highest Level Detected	Ideal Goal (EPA's MCLG)
Regulated at the Treatment Plant			
Fluoride (2015 Testing)	4 ppm	0.1 ppm	4 ppm
Typical Source of Contamination: Erosion of natural deposits		(Range 0.1 - 0.1 ppm)	
Arsenic	10 ppb	6.4 ppb	10 ppb
Typical Source of Contamination: Erosion of natural deposits		(Range 6.4 - 6.4 ppb)	
Chlorobenzene (2017 Testing)	100 ppb	0.6 ppb	100 ppb
Typical Source of Contamination : Discharge from chemical and agricultural chemical factories			
Regulated in the Distribution System			
Copper (2017 Testing)	1300 ppb	80 ppb	1300 ppb
Typical Source of Contamination: Corrosion of household plumbing fixtures and systems			
Lead (2017 Testing)	15 ppb	0 ppb	15 ppb
Typical Source of Contamination: Corrosion of household plumbing fixtures and systems			

The table above lists all the drinking water contaminants that were detected during the 2017 calendar year. The presence of these compounds in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in the table is from testing performed January 1 – December 31, 2017. The State requires the Mayo Center to monitor certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year.

Fluoride Information:

Federal regulations require that fluoride, which occurs naturally in your water supply, not exceed a concentration of 4.0 mg/l in drinking water. This is an enforceable standard called a Maximum Contaminant Level (MCL), and it has been established to protect the public health. Exposure to drinking water levels above 4.0 mg/l for many years may result, in some cases, of crippling skeletal fluorosis, which is a serious bone disorder.

Federal law required that we notify you when monitoring indicates that the fluoride in your drinking water exceeds 2.0 mg/l. This is intended to alert families about dental problems that might affect children under nine years of age. The fluoride concentration of your water did not exceed this federal guideline.

Fluoride in children's drinking water at levels of approximately 1 mg/l reduces the number of cavities. However, some children exposed to levels of fluoride greater than about 2.0 mg/l may develop fluorosis. Dental fluorosis, in its moderate and severe forms, is a brown staining and/or pitting of the *permanent* teeth. Because dental fluorosis occurs only when *developing* teeth (before they erupt from the gums) are exposed to elevated levels of fluoride, households without children are not expected to be affected by this level of fluoride. Families with children under the age of nine are encouraged to seek other sources of drinking water for their children to avoid the possibility of staining and pitting.

Sources of Drinking 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 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.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain compounds in water provided by public water systems. We treat our water according to EPA's regulations. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Lead Prevention

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 Mayo Center 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 drinking 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 **EPA Safe Drinking Water Hotline at 1-800-426-4791 or at <http://www.epa.gov/safewater/lead>**.

Water Conservation

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference—try one today and soon it will become second nature.

- ◆ Check for water leaks by the reading your water meter before and after a two hour period when no water is being used in your home. If the reading changes then there is probably a leak in your home.
- ◆ Take a shower! Filling up a bathtub can use up to 70 gallons of water while a shower generally uses 10 to 25 gallons. Taking shorter showers saves even more water.
- ◆ Make sure your washing machine and dishwasher are fully loaded before running.

Are you in the market for a new water fixture such as a faucet, showerhead or toilet? Consider a WaterSense labeled fixture and reduce your water use by 30% percent or more versus standard flow fixtures. Visit www.epa.gov/watersense for more information on water efficiency products and methods.

Source: <http://www.epa.gov/watersense> & <http://eartheasy.com>

If you have any questions about this report or your drinking water, please call the Partnership office at (410) 266-6500.

