

Woodstock Job Corps Center 2018 Drinking Water Quality Report



Important Information About Your Drinking Water

We're pleased to present to you the Annual Water Quality Report for 2018. This report is designed to inform you about the water quality and services we deliver to you every day. Maryland Environmental Service (MES), an Agency of the State of Maryland, operates the water treatment facility and prepared this report on behalf of the Woodstock Job Corps Center.

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 complete Sanitary Surveys as part of their ongoing inspection and monitoring program. MES provides safe dependable operations of the water system and is dedicated to consistently providing high quality drinking water that meets or exceeds the SDWA standards.

If you have any questions about this report or have questions concerning your water utility, please contact **Jay Janney at 410-729-8200**, e-mail jjann@menv.com.

For More Information:

For the opportunity to ask more questions or participate in decisions that may affect your drinking water quality, please contact **Rodney H. Butler, Finance & Administration Director of Woodstock Job Corps, at 410-696-9310**.

The Woodstock Job Corps Center water works consists of two drilled wells in the in the Baltimore gneiss. After the water is pumped out of the well disinfectant is added to protect against microbial contaminants. The Maryland Department of the Environment has performed an assessment of the source water. A copy of the results is available. Call **Maryland Environmental Service at 410-729-8350**

Inside This Issue:

Definitions	2
Special Points of Interest	2
Water Quality Report	3
Radon	4
Sources of Drinking Water	4
Gross Alpha Emitters	4
Lead Prevention	4
Public Notice	4

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 (1-800-426-4791)**.

Woodstock Job Corps Center Treated Water Quality Report 2018

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
- ◆ **Mrem** - millirem roentgen equivalent in man. A measure of radiation dose

Special points of interest:

The water at the Woodstock Job Corps Center is tested for over 120 different compounds.

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)**

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.

Contaminants That May Be Present in Source Water:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. Pesticides and Herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses. 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. 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.

Woodstock Job Corps Center Treated Water Quality Report 2018

Contaminant	Highest Level Allowed (EPA's MCL)	Highest Level Detected	Ideal Goal (EPA's MCLG)
Regulated at the Treatment Plant			
Gross Beta (2018 Testing)	50 pCi/l*	31.8 pCi/l*	0.0 pCi/l
Typical Source of Contamination: Erosion of natural deposits (Range 10.2 pCi/l - 31.8 pCi/l)			
*EPA considers 50 pCi/L to be the level of concern for beta particles. The MCL is 4 mrem/year			
** Because the beta particle results were below 50 pCi/l, no testing for individual beta particle constituents was required			
Combined Radium (226 & 228) (2018 Testing)	5 pCi/l	4.8 pCi/l	n/a
Typical Source of Contamination: Erosion of natural deposits (Range 3.7 pCi/l - 4.8 pCi/l)			
Gross Alpha (2018 Testing)	15 pCi/l	7.0 pCi/l*	0.0 pCi/l
Typical Source of Contamination: Erosion of natural deposits (Range 2.1 pCi/l - 26.1 pCi/l)			
* Average of Results, please read page 4 of the Consumer Confidence report for more information on Gross Alpha Emitters			
Barium (2017 Testing)	2000 ppb	61.8 ppb	2000 ppb
Typical Source of Contamination: Discharge from metal refineries, erosion of natural deposits.			
Regulated in the Distribution System			
	Action Level	Highest Level	Ideal Goal
Chlorine	4 ppm	0.94 ppm*	4 ppm
Water additive used to control microbes * Annual average of results Range (0.25- 2.84 ppm)			
Total Trihalomethanes (TTHM) (2018 Testing)	80 ppb	19.7 ppb*	n/a
(Range 6.8 ppb - 19.7 ppb)			
Typical Source of Contamination: By-product of drinking water disinfection *Locational Rolling Annual Average			
Haloacetic Acids (HAA5) (2018 Testing)	60 ppb	< 6.0 ppb*	n/a
(Range 4.6 ppb - 10.4 ppb)			
Typical Source of Contamination: By-product of drinking water disinfection *Locational Rolling Annual Average			
Regulated in the Distribution System			
	Action Level	90th Percentile	Ideal Goal
Copper (2018 Testing)	1300 ppb	140 ppb	1300 ppb
(Range 34 - 140 ppb)			
Lead (2018 Testing)	15 ppb	3.9 ppb	0.0 ppb
(Range 0.0 - 12.0 ppb)			
Typical Source of Contaminant: Corrosion of household plumbing			

The table above lists all the drinking water contaminants that were detected during the 2018 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 done January 1 – December 31, 2018. The State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year.

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.

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 Woodstock Job Corps 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>**.

Important Information Regarding Gross Alpha Emitters:

Alpha emitters are naturally occurring radiations in soil, air and water. These emitters generally occur when certain elements decay or break down in the environment. The emitters enter drinking water through various methods including the erosion of natural deposits. There are no immediate health risks from consuming water that contains gross alpha, however some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer. Currently, Maryland Department of the Environment is testing the levels of Gross Alpha Emitters quarterly. The highest level detected during 2018 is 7.0 pCi/l which is below the EPA MCL of 15 pCi/l.

If you have any questions about this report or your drinking water, please call Jay Janney at 410-729-8350 or email your request to jjann@menv.com.

