



CONSUMER CONFIDENCE REPORT

Friendsville Water Plant
PWSID # 0110004
301-746-4032

**In Accordance With: The U.S.
Environmental Agency National
Primary Drinking Water Regulation
40 CFR Parts 141 and 140**

Introduction:

It is our pleasure to provide you with our 2022 Water Quality Report. This annual report is a summary of last year's water quality produced at the Friendsville water treatment plant. Included are details about where your water comes from, water quality tests results, how they compare to standards set by the US Environmental Protection Agency (USEPA), and answers to frequently asked questions. In 2022, once again, all the water produced at the Friendsville Water Treatment Plant exceeded all state and federal guidelines for safe drinking water. We are committed to providing you with information because informed customers are our best allies. We

hope you find this report informative and helpful. Please contact us with any questions or comments.

Where Does Your Drinking Water Originate:

The Friendsville Water System obtains all of its raw water from the Youghiogheny River (*surface water*) located in Garrett County, Maryland.

How Your Water is Treated:

Surface water treatment plants are designed to take a raw water source of variable quality and produce a consistent high quality finished water. Multiple treatment processes are provided in series to remove turbidity in addition to removing and inactivating protozoan cysts and other microorganisms. Each process represents a barrier to prevent passage of cysts and other microorganisms through the plant. At the Friendsville Water Filtration Plant, the barriers include chemical treatment, flocculation, sedimentation, filtration and disinfection.

Testing Parameters:

The Friendsville Water System analyzes its finished drinking water for all parameters outlined in the National Primary Drinking Water Regulation 40 CFR Parts 141 and 142 unless a waiver has been granted by Maryland Department of the Environment, Water Management Administration. The system also analyzes for many unregulated chemical compounds. The Water Quality Data table on the back shows all of the contaminants detected in Friendsville's drinking water between January 1 and December 31, 2022 unless dated otherwise.

Source Water Assessment:

The Garrett County Public Utilities has received from the Maryland Department of the Environment, Water Management Administration, Water Supply Program, a Final Source Water Assessment for the Friendsville Water System. This report is available for your review upon request to the Garrett County Department of Public Utilities, (301) 334 - 6976. A susceptibility analysis indicates that pathogenic bacteria, protozoa, virus, and turbidity are contaminants of concerns.

General Drinking Water Information:

The sources of drinking water (both tap and bottled) include rivers, lakes, streams, 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 microbial contaminants, inorganic contaminants, pesticides and herbicides, organic chemical contaminants and radioactive contaminants. To ensure tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. Drinking water, including bottled water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of

contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA Safe Drinking Water Hotline at (800-426-4791).

The Bottom Line:

Last year your tap water met all drinking water standards. However, some individuals may be more vulnerable than the general population to contaminants in drinking water. Immuno-compromised individuals such as those with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/Aids or other immune system disorders, some elderly and infants may be particularly at risk from infections. Those individuals should seek advice about drinking water from their health care provider. USEPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the USEPA Safe Drinking Water Hotline at (800-426-4791).

For More Information:

Please contact the Garrett County Department of Public Utilities at 301-334-6983 or the Laboratory Director at 301-387-6162 for additional information regarding the data in this report. The Board of Garrett County Commissioners holds regularly scheduled public meetings every Tuesday at 9:00am. The public meeting room is located in the Court House at 203 South 4th Street, Oakland, MD. Please call to schedule your topic on the agenda for discussion at any regularly scheduled meeting.

FRIENDSVILLE WATER QUALITY DATA TABLE

Regulated Contaminants	Units	Distribution System	Friendsville Water	Range of Levels Detected	MCL	MCLG	Sample Date	Typical Sources of Contaminant	
Lead	ppb	13			AL = 15	0	2021	corrosion of household plumbing systems	
Copper	ppm	0.034			AL = 1.3	1.3	2021	corrosion of household plumbing systems	
Chlorine	ppm	1.2			1.1 - 1.2	4	4	2022	Water additive to control microbes
Haloacetic Acids	ppb	25			6.8 - 41	60	n/a	2022	by-product of drinking water disinfection
Total Trihalomethanes	ppb	40			2.1 - 77.7	80	n/a	2022	by-product of drinking water chlorination
Combined Radium 226/228	pCi/L		1	1 - 1	5	0	2019	Erosion of natural deposits	
Gross Alpha excluding radon and uranium	pCi/L		0.6	0.6 - 0.6	15	0	2019	Erosion of natural deposits	
Barium	ppm		0.032	0.032 - 0.032	2	2	2022	Discharge from drilling waste and metal refineries. Erosion of natural deposits	
Nitrate	ppm		ND	<1.0 - <1.0	10	10	2022	Runoff from fertilizer, Leaching from septic tanks, sewage, Erosion of natural deposits	
* Turbidity - Highest single measurement	NTU		0.52			TT =1 NTU max		2022	soil runoff
* Turbidity - Lowest monthly % meeting limit	%	96%	TT < 0.3 NTU 95%			2022	soil runoff		
Unregulated Contaminants									
Sodium	ppm		14.5	not regulated			2022		

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) ANALYTICAL RESULTS

Analyte	Results	Finished water samples collected September, 2021 All results are in parts per trillion (ppt).
Total PFOA	1.18	

PFAS – short for per- and polyfluoroalkyl substances – refers to a large group of more than 4,000 human-made chemicals that have been used since the 1940s in a range of products, including stain- and water-resistant fabrics and carpeting, cleaning products, paints, cookware, food packaging and fire-fighting foams. These uses of PFAS have led to PFAS entering our environment, where they have been measured by several states in soil, surface water, groundwater and seafood. Some PFAS can last a long time in the environment and in the human body and can accumulate in the food chain. Beginning in 2020, the Maryland Department of the Environment (MDE) initiated a PFAS monitoring program. PFOA and PFOS are two of the most prevalent PFAS compounds. PFOA and PFOS concentrations from samples taken from our water system in 2021 were 1.24 parts per trillion (ppt) and ND ppt, respectively. In March 2023, EPA announced proposed Maximum Contaminant Levels (MCLs) of 4 ppt for PFOA and 4 ppt for PFOS, and a Group Hazard Index for four additional PFAS compounds. Future regulations would require additional monitoring as well as certain actions for systems above the MCLs or Hazard Index. EPA will publish the final MCLs and requirements by the end of 2023 or beginning of 2024. Additional information about PFAS can be found on the MDE website: mde.maryland.gov/PublicHealth/Pages/PFAS-Landing-Page.aspx

LEAD IN DRINKING WATER

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 Department of Utilities is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your drinking water, and wish to have your water tested, contact the Garrett County Public Utilities laboratory at 301-387-6162. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

Terms and Units Defined:

NTU – Nephelometric Turbidity Unit: **TT - Treatment Technique:** A required process intended to reduce the level of a contaminant in drinking water.

AL - Action Level: The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements for the water system.

ppm - parts per million: Corresponds to one penny in \$10,000. **ppb - parts per billion:** Corresponds to one penny in \$10,000,000. **ppt - parts per trillion:** Corresponds to one penny in \$10,000,000,000.

MCL - Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using best available treatment technology.

MCLG - Maximum Contaminant Level Goal: 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.

pCi/l - picocuries per liter: A measure of radioactivity.

ND – Not Detected: A measure below a detectable level.

***Turbidity** is a measure of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration system. Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites which can cause symptoms such as nausea, cramps, diarrhea and associated headaches.

Unregulated contaminants are those for which the EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. The Maryland Dept. of the Environment requires monitoring for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, may be more than one year old.

Total Organic Carbon

The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.