

2022 Annual Drinking Water Quality Report

PWSID 0140006

Town of Rock Hall

April 2023

We're pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the water quality 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. Our ground water source is 3 wells which draw from the Magothy Aquifer. The wells range in depth from 308 to 362 feet. These wells are located within the confines of the treatment plant.

We have a source water protection plan available from our office that provides more information such as potential sources of contamination. This plan is also available at the Kent County Public Library located in Chestertown in the 400 block of High Street, or from Maryland Department of the Environment (MDE). For more information call 1-800-633-6101.

https://mde.maryland.gov/programs/Water/water_supply/Source_Water_Assessment_Program/Pages/by_county.aspx

I'm pleased to report that our drinking water is safe and meets federal and state requirements.

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).

If you have any questions about this report or concerning your water utility, please contact Taylor Walker at the water plant at (410) 639-7610 or Town Hall at (410) 639-7611. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled Utility Board meetings held on the first Monday of each month at the Town Hall at 7:00 pm. Council meetings are held on the second Thursday of the month at Town Hall at 7:30 pm. and are also available to answer your questions.

The Town of Rock Hall routinely monitors for contaminants in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2022. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily pose a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms 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.

Parts per trillion (ppt) or Microgram per liter- one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which 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.

TEST RESULTS						
Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants						
Chlorine (2022)	N	0.8	ppm	4	4	Water Additive used to control microbes
Volatile Organic Contaminants						
Barium (2021)	N	0.0213	ppm	2	2	Discharge of drilling waste; Discharge from metal refineries; Erosion of natural deposits
Chromium (2021)	N	3.2	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits
Flouride (2022)	N	0.25	ppm	4	4.0	Erosion of natural deposits; Water additive that promotes strong teeth; Discharge from fertilizer and aluminum factories.
Stage 2 Disinfection Byproducts						
TTHM (Distribution) (2022) [Total trihalomethanes] range	N	10-10	ppb	0	80	By-product of drinking water chlorination
Highest level Detected		10				
HAA5 Haloacetic Acid (Distribution) (2022) range	N	2.21-2.21	ppb	0	60	By-product of drinking water chlorination
Highest level Detected		2				
Radioactive Contaminants						
Combined Radium (2020) 226/228	N	0.2	pCi/L	0	5	Erosion of natural deposits

Note: Test results are for year 2022 unless otherwise noted; all tests are not required annually.

We’re proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected. The EPA has determined that your water IS SAFE at these levels.

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. Rock Hall 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 water and wish to have your water tested, contact Rock Hall at 410-639-7611. 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>.

PFAS – or 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. Our water system was not tested for PFAS in 2022. 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. 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

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All 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.

MCL's are set at very stringent levels. To understand the possible health effects described for many regulated contaminants, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

The Maryland Rural Water Association's State Circuit Rider assisted with the completion of this report.

In our continuing efforts to maintain a safe and dependable water supply it may be necessary to make improvements in your water system. The costs of these improvements may be reflected in the rate structure. Rate adjustments may be necessary in order to address these improvements.

Please call our office if you have questions.

ANNUAL DRINKING WATER QUALITY REPORT FOR 2022

KENT COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER & WASTEWATER EDESVILLE WATER SYSTEM

MD 014-0009

EDESVILLE

Annual Water Quality Report for the period of January 1 to December 31, 2022
contact:

For more information regarding this report

Christin Yiannakis 410-778-3287

This report is intended to provide you with important information about your drinking water, the efforts made by the water system to provide safe drinking water.

Este informe contiene información muy importante sobre el agua que usted bebe. Tradúzcalo ó hable con alguien que lo entienda bien.

EDESVILLE is Purchased Groundwater

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Source Water Information

SWA - Source Water Assessment

Source Water Name		Type of Water	Report Status	Location
CC-0140006-ROCK HALL RD & MARTIN	PURCHASED 0140006	GW		

In this report, you will find many terms and abbreviations that might not be familiar to you. The following definitions explain these terms.

- ◆ **Maximum Contaminant Level Goal (MCLG)** – The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG’s allow for a margin of safety.
- ◆ **Maximum Contaminant Level (MCL)** – The highest level of a contaminant that is allowable in drinking water, MCL’s are set as close to the MCLG’s as feasible using the best available treatment technology.
- ◆ **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 contaminants.
- ◆ **Maximum residual disinfectant level (MRDL)** – The highest level of disinfectant allowed in drinking water. There is convincing evidence that the addition of a disinfectant is necessary for the control of microbial contaminants.
- ◆ **Action Level (AL)** – The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that 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.
- ◆ **Nephelometric Turbidity Units (NTU)** – Units of measurement used to report the level of turbidity or “cloudiness” in 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
- ◆ **Avg** – **Regulatory compliance with some MCLs is based on running an annual average of monthly samples.**

Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorine	2022	0.7	0.5 - 0.7	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)	08/11/2020	9	9 - 9	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	08/11/2020	39.1	39.1 – 39.1	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

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If you should have any questions regarding this report or concerning your water utility, please contact Kent County Department of Public Works Division of Water and Wastewater Services, at 410-778-3287. In addition, any resident may obtain a copy of this report at the main office Monday thru Friday during normal business hours or on the internet at <https://www.kentcounty.com/water/reports>.

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