

# ***Annual Drinking Water Quality Report for CY2024***

***Matthews Manor***

**PWSID 0080027**

**May, 2025**

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 water source is one well which draws water from an underground aquifer.

This report shows our water quality and what it means.

A source water assessment plan has been prepared that provides more information such as potential sources of contamination. This plan is available thru the Charles County Public Library or Maryland Department of the Environment (MDE). For more information call 1-800-633-6101. ***Results of the assessment can be found on the MDE website:***

[https://mde.maryland.gov/programs/Water/water\\_supply/Source\\_Water\\_Assessment\\_Program/Pages/by\\_county.aspx](https://mde.maryland.gov/programs/Water/water_supply/Source_Water_Assessment_Program/Pages/by_county.aspx)

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, please contact Susan Auth at (301) 259-2888. We want our residents to be informed about their water. If you want to learn more, please attend one of our semi-annual community meetings which are currently held in the spring and fall. You will receive a notice within the date, time and location of these meetings.

Matthews Manor 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 1<sup>st</sup> to December 31<sup>st</sup>, 2024. It's important to remember that the presence of these contaminants does not necessarily pose a health risk.

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.

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.

*Picocuries per liter (pCi/L)* - picocuries per liter is a measure of the radioactivity in water.

*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.

<b>TEST RESULTS</b>							
Contaminant	Violation Y/N	Level Detected /Range	Unit Measurement	MCLG	MCL	Likely Source of Contamination	
<b>Inorganic Contaminants</b>							
Barium (2020)	N	0.00149	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	
Arsenic (2024)	N	6	ppb	0	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes	
Fluoride (2023)	N	0.563	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories	
TTHM (Distribution) [Total trihalomethanes] ** Highest Locational 2024	N	4.4	ppb	0	80	By-product of drinking water disinfection	
HAA5 (Distribution) [Haloacetic acids] ** Highest Locational 2024	N	0.8	ppb	0	60	By-product of drinking water disinfection	
<b>Lead and Copper</b>							
	Violation Y/N	90 <sup>th</sup> Percentile	Range of Tap Sampling	Units	MCLG or MRDLG	(AL Limits) / # Sites Over	Likely Source of Contamination
Copper (distribution) (2023)	N	0.0436	0.0091-0.0514	ppm	1.3	AL= 1.3  Zero (0)	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (distribution) (2023)	N	.002	ND-0.0021	ppm	0	AL= 15  Zero (0)	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

**Note: Test results are for year 2024 or as otherwise indicated; All contaminants are not required to be tested for annually.**

An initial inventory of service line pipe materials located within our service area required to be submitted to the Maryland Department of the Environment (MDE) by October 16, 2024. We submitted the service line inventory report by the deadline, and the “report is available upon request”.

Mathews Manor has completed the service line inventory required by U.S. EPA’s Lead and Copper Rule Revisions (initial inventory due October 16<sup>th</sup>, 2024)  
For more information on our service line inventory please call 301-259-2888

Through completing a records review, it has been determined it has no Lead or Galvanized Replacement (GRR) service lines in its distribution system. This includes all system owned and customer portions of all service lines regardless of actual or intended use.

Construction records, meter replacements, and distribution maps were used to help us determine the composition of our systems service lines.

Mathews Manor has reviewed all applicable sources of information to complete the inventory and will continue to identify and track service line materials as they are encountered during normal operations. If, in the future, a Lead or Galvanized requiring replacement (GRR) service line is found within our system, we will prepare an updated inventory and submit to the Maryland

Department of the Environment and in addition, the inventory will be made publicly available for water customers to view, and customer will be notified of any change in the service line material, if applicable. For more information on our service line inventory please call 301-259-2888.

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

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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. Mathews Manor 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 Mathews Manor at 301-259-2888. 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>.

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

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.

Please call Susan if you have questions about this report or your water.