

Annual Drinking Water Quality Report for CY2024
Tylerton Waterworks Cooperative

PWSID 0190011

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 the Patapsco 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 Somerset County Public Library or 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

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).

Tylerton Waterworks Cooperative 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, 2024. 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.

If you have any questions about this report or concerning your water, please contact Lindsey Bradshaw at (410) 968-1541. We want our residents to be informed about their water.

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.

ND – Indicates that there was no lead detected.

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.

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

TEST RESULTS						
Contaminant	Violation Y/N	Level Detected / Range	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Radiological Contaminants						
Gross Beta Particle Activity 5/15/2024	N	5.3 5.3-5.3	pCi/L	0	50	Decay of natural and man-made deposits
Inorganic Contaminants						
Fluoride (2024)	N	2.2	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

<i>Lead and Copper</i>	Violation Y/N	90 th Percentile	Range of Tap Sampling	Units	MCLG or MRDLG	(AL Limits) / # Sites Over	Likely Source of Contamination
Copper (distribution) (2021)	N	ND (<5)	0.05-0.05	ppm	1.3	AL= 1.3 Zero (0)	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Lead (distribution) (2021)	N	ND (<5)	0.005- 0.005	ppb	0	AL= 15 Zero (0)	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
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Note: Test results are for year 2024 unless otherwise indicated; all contaminants are not required to be tested for annually.

An initial Service Line Inventory was submitted to the Maryland Department of the Environment on 3/28/2025. The report was late due to service line investigation. As a result, the Service Line Inventory requirement was fulfilled. "The report is available upon request".

Tylerton Waterworks Cooperative has completed the service line inventory required by U.S. EPA's Lead and Copper Rule Revisions (initial inventory due October 16th, 2024)

For more information on our service line inventory please call 410-968-1541.

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.

Tylerton Waterworks Cooperative 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 410-968-1541.

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. Tylerton Waterwork Cooperative 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 Tylerton Waterwork Cooperative at 410-425-2164. 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>.

NOTE: Lead, which is tested every 9 years in accordance with Federal and State regulations in Tylerton Waterworks Cooperative distribution system, was not detected in our most recent samples collected in 2021.

Maryland Rural Water Association has provided assistance this year in completing this annual report.

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.

Some people who drink water containing fluoride in excess of the MCL over many years could get bone disease, including pain and tenderness of the bones. Fluoride in drinking water at half the MCL or more may cause mottling of children's teeth, usually in children less than nine years old. Mottling also known as dental fluorosis, may include brown staining and or pitting of the teeth and occurs only in developing teeth before they erupt from the gums.

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.

Violation:

LSL REPORTING-INITIAL (4G) and LSL INVENTORY-INITIAL (2E) VIOLATION. We failed to complete and submit our initial service line inventory that was due to MDE by October 16, 2024. *The inventory was completed and submitted on 3/28/2025.*

MARYLAND DEPARTMENT OF THE ENVIRONMENT
Water Management Administration, *Water Supply Program*
1800 Washington Blvd Suite 450, Baltimore MD 21230
Phone: (410) 537-3729

PUBLIC NOTICE CERTIFICATION

[Please complete, sign, and return via e-mail]

PWS NAME	Tylerton Waterworks Cooperative
PWS ID	009 - 0011
EXCEEDENCE	Secondary Maximum Contaminant Level for Fluoride
DATE OF VIOLATION	March 12, 2024

The public water system indicated above hereby affirms that public notice has been provided to consumers in accordance with the delivery, content, and format requirements and deadlines in COMAR 26.04.01.20. (Please check all that apply.)

Delivery to residents on


1/15/25

DATE

Include in Consumer Confidence Report

6/25/25

YEAR



SIGNATURE OF OWNER OR OPERATOR

6-25-25

DATE



DRINKING WATER WARNING

Elevated Fluoride Levels Detected

This is an alert about your drinking water and a cosmetic dental problem that might affect children under nine years of age. At low levels, fluoride can help prevent cavities, but children drinking water containing more than 2 milligrams per liter (mg/l) of fluoride may develop cosmetic discoloration of their permanent teeth (dental fluorosis). The drinking water provided by your community water system 0190011 has a fluoride concentration of 2.2 mg/l.

Dental fluorosis, in its moderate or severe forms, may result in a brown staining and or pitting of the permanent teeth. This problem occurs only in developing teeth, before they erupt from the gums. Children under nine should be provided with alternative sources of drinking water or water that has been treated to remove the fluoride to avoid the possibility of staining and pitting of their permanent teeth. You may also want to contact your dentist about proper use by young children of fluoride-containing products. Older children and adults may safely drink the water. Drinking water containing more than 4 mg/l of fluoride (the U.S. Environmental Protection Agency's drinking water standard) can increase your risk of developing bone disease. Your drinking water does not contain more than 4 mg/l of fluoride, but we're required to notify you when we discover that the fluoride levels in your drinking water exceed 2 mg/l because of this cosmetic dental problem.

For more information, please call Lindsey Bradshaw of _____ at 4439441481. Some home water treatment units are also available to remove fluoride from drinking water. To learn more about available home water treatment units, you may call NSF International at 1-877-8-NSF-HELP.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by: Tyleron Waterworks
State Water System ID #: 0190011.
Date distributed: 1/15/25.

