

Annual Drinking Water Quality Report for 2024
Town of St. Michaels
May, 2025
PWSID 0200006

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 two active wells which draw from an underground source known as the Aquia Aquifer. The depth of our wells are approximately 465 feet. The earth between the surface and this underground aquifer helps to purify the water before it actually reaches the aquifer, making it easier for us to treat before we pump it into our water distribution system.

This report shows our water quality and what it means.

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 through the Talbot County Public Library and from 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
X

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 **Brian Thompson** at (410) 745-9535. 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 Town Commission meetings which are held on the second and fourth Wednesday of each month beginning at 6:00 p.m. in the St. Michaels Town Office Meeting Room.

The Town of St. Michaels 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, or as otherwise indicated. 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 constituents. 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:

Non-Detects (ND) - laboratory analysis indicates that the contaminant is not present.

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

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	Highest Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Stage 2 Disinfection Byproducts:						
Haloacetic Acids (HAA5) (Distribution) (2024)	N	3	ppm	4	4	By-Product of drinking water disinfection
Trihalomethanes (TTHM) (Distribution) (2024) Highest level detected	N	19	ppb	0	80	By-product of drinking water disinfection
Range		18.6-18.6				
Radioactive Contaminants						
Beta/photon emitters (2016)	N	9	pCi/L	0	50	Decay of natural and man-made deposits
Inorganic Contaminants						
Arsenic (quarterly) Highest Running Annual Average (2024)	N	0-7 6	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Copper (Distribution) (2022)	N	0.0328	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Barium (2023) Range	N	0.0012 0.0012-0.0012	ppm	2	2	Discharge of drilling waste; Discharge from metal refineries; Erosion of natural deposits
Chromium (2023) Range	N	4.3 4.3-4.3	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits
Selenium (2023) Range	N	1.2 1.2-1.2	ppb	0	50	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Fluoride (2023) Range	N	0.4 0.4-0.4	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Disinfectant						
Chlorine (2024) Range	N	0.5 0.3-0.5	ppm	4	4	Water Additive used to control microbes

Synthetic organic contaminants including pesticides and herbicides						
Ethylene dibromide (2021)	N	10	ppt	0	50	Discharge from petroleum refineries
Range		10-10				

Lead and Copper	Violation Y/N	90 th Percentile	Range of Tap Sampling	Units	MCLG or MRDLG	(AL Limits) / # Sites Over	Likely Source of Contamination
Copper (distribution) (2022)	N	0.268	0.0062-0.0361	ppm	1.3	AL= 1.3 Zero (0)	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (distribution) (2022)	N	ND (<5)	ND-0.0015	ppb	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 unless noted otherwise; testing for all contaminants is not required annually.

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.

"Arsenic at levels above 5 µg/l (50% of the MCL), but below the MCL. 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 costs 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."

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".

Saint Michaels 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 410-745-9535.

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.

Saint Michaels 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 410-745-9535.

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. Saint Michaels 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 Saint Michaels at 410-745-9535. 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>.

Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system, and may have increased risk of getting cancer.

* The Town of St. Michaels has secured a loan to make improvements to the #2 and #3 wells. Johnston Construction Company has completed the rehabilitation at the #2 and #3 wells in St Michaels. A new green sand filter is in place at the #2 well and a 25,000 gallon back wash tank has been installed at the #3 well and the well is currently in operation.

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

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

June 2025 CCR Town of St. Michaels

6/12/25: CCR posted on the Town Website– link here –

<https://www.stmichaelsmd.gov/media/26>

6/13/25: Posted report at the St. Michaels Post Office, Town Office, and Boy Scout Cabin (Town meeting space)

CCR Published in the local newspaper (The Star Democrat) – PDF confirmation attached

6/27/25: Mailed out water quality reports with quarterly water bills

6/13/25: Constant Contact sent @ 5:30 pm to the following subset of groups:

1. TOS Residents
2. Accommodations
3. Businesses in Town
4. Restaurants
5. Surrounding Businesses
6. Police Department
7. Commissioners

“Good Faith Efforts”

6/30/25: Provided copies of the water quality report to Riverwoods (40), Hambleton Village (24), and Griffin Drive Apartments (35).



Memo from
Town of St. Michaels, Maryland
(410) 745-9535

Annual Drinking Water Quality Report for 2024

Town of St. Michaels - June, 2025

Attached is the Town of St. Michaels Annual Water Quality Report. We are proud to inform you the Town's domestic water testing results for 2024 fully comply with all federal and state drinking water standards.

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 delivery of domestic water to meet the highest quality standards for our water customers.

[Please click HERE to review this report.](#)

If you would like a copy of this report, you may print one from our [website](#) or obtain one from the Town office. A copy will be posted at the St. Michaels Post Office Bulletin Board, the Boy Scout Cabin, and the St. Michaels Town Office, and the St. Michaels Branch of the Talbot County Free Library. If you have any questions please contact the Town office at 410-745-9535.

By Authority of Commissioners of St Michaels

Town of St. Michaels | 201 Boundary Lane P.O. Box 206 | St. Michaels, MD 21663 US

[Unsubscribe](#) | [Update Profile](#) | [Constant Contact Data Notice](#)



Try email marketing for free today!

The Star Democrat

Publication Logo
Unavailable

Publication Name:
The Star Democrat

Publication URL:

Publication City and State:
Easton, MD

Publication County:
Talbot

Notice Popular Keyword Category:

Notice Keywords:

Notice Authentication Number:
202506171157471921820
3489641288

Notice URL:

[Back](#)

Notice File:

Notice Publish Date:



[SD-0614-ClassAd-3082859-1.pdf](#) Saturday, June 14, 2025

Notice Content

PLEASE NOTE: The following text was electronically converted from the PDF document above, and may not be 100% accurate. Because of this, please view the PDF for the most accurate information.

Town of St. Michaels Annual Drinking Water Quality Report The Town of St. Michaels is pleased to present this year's Annual Water Quality Report. This report is designed to inform users of the Town of St. Michael's water system about the water quality and services we deliver to you every day. We are pleased to report that our water complies with all federal and state requirements for safe drinking water. The report is being mailed to every person or entity that receives a Town water bill. Copies are also available at the Town Office, 201 Boundary Lane, St. Michaels, MD 21663 and online <http://www.stmichaelsmd.gov> By Authority of The Commissioners of St. Michaels 3082859 SD 6/14/2025

Web display limited to 1,000 characters. Please view the PDF for the complete Public Notice.

[Back](#)

Town of St. Michaels

Annual Drinking Water Quality Report

The Town of St. Michaels is pleased to present this year's Annual Water Quality Report. This report is designed to inform users of the Town of St. Michaels's water system about the

water quality and services we deliver to you every day. We are pleased to report that our water complies with all federal and state requirements for safe drinking water. The report is being mailed to every person or entity that receives a Town water bill. Copies are also available at the Town Office, 201 Boundary Lane, St. Michaels, MD 21663 and online <http://www.stmichaelsmd.gov>

By Authority of The Commissioners of St. Michaels

3082859 SD

6/14/2025