

Annual Drinking Water Quality Report

MD0220005

TOWN OF SHARPTOWN

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

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

For more information regarding this report contact:

Name William R White

Phone 410-883-3767

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

TOWN OF SHARPTOWN is Ground Water

Sources of Drinking Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, 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.

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPAs Safe Drinking Water Hotline at (800) 426-4791.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which 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.

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 microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of 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. We are responsible for providing high quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Source Water Information

SWA = Source Water Assessment

Source Water Name		Type of Water	Report Status	Location
NEW WELL 7 WI140033	WI140033	GW	<u>Y</u>	<u>To F Sharptown - Approx 270 ft of Rd 313</u>
WELL 4 WI035019	WI035019	GW	Y	SHARPTOWN
WELL 5 WI732005	WI732005	GW	Y	NEAR 0 MI S OF SHARPTOWN APPROX. 100 FT S OF STATE ST
WELL 6 WI881308	WI881308	GW	Y	T OF SHARPTOWN APPROX. 270 FT S OF RD 313

Lead and Copper

Definitions:

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Lead and Copper	Likely Source of Contamination
Lead	09/04/2020	0	15	1.3	0	ppb	Lead	Corrosion of household plumbing systems; Erosion of natural deposits.

Water Quality Test Results

Definitions:

The following tables contain scientific terms and measures, some of which may require explanation.

Avg:

Regulatory compliance with some MCLs are based on running annual average of monthly samples.

Maximum Contaminant Level or MCL:

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.

Level 1 Assessment:

A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Maximum Contaminant Level Goal or MCLG:

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.

Level 2 Assessment:

A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Maximum residual disinfectant level or MRDL:

The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum residual disinfectant level goal or 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.

na:

not applicable.

mrem:

millirems per year (a measure of radiation absorbed by the body)

ppb:

micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

ppm:

milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

Water Quality Test Results

Treatment Technique or TT:

A required process intended to reduce the level of a contaminant in drinking water.

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	0.5	0.3 - 0.5	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)	2022	14	0 - 28.8	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2022	36	10.21 - 62.4	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	01/19/2021	0.143	0.143 - 0.143	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Chromium	01/19/2021	2.2	2.2 - 2.2	100	100	ppb	N	Discharge from steel and pulp mills; Erosion of natural deposits.
Fluoride	01/19/2021	0.1	0.1 - 0.1	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate [measured as Nitrogen] - Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.	2022	8	6.1 - 7.6	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Selenium	01/19/2021	1.1	1.1 - 1.1	50	50	ppb	N	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Beta/photon emitters	06/14/2018	8	8 - 8	0	50	pCi/L	N	Decay of natural and man-made deposits.
Combined Radium 226/228	06/14/2018	2	2 - 2	0	5	pCi/L	N	Erosion of natural deposits.
Gross alpha excluding radon and uranium	06/14/2018	3.3	3.3 - 3.3	0	15	pCi/L	N	Erosion of natural deposits.
Volatile Organic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Ethylbenzene	03/25/2020	3.5	3.5 - 3.5	700	700	ppb	N	Discharge from petroleum refineries.
Xylenes	03/25/2020	0.0148	0.0148 - 0.0148	10	10	ppm	N	Discharge from petroleum factories; Discharge from chemical factories.



Commissioners of Sharptown

P.O. BOX 338
401 MAIN STREET
SHARPTOWN, MARYLAND 21861-0338
MEETS FIRST AND THIRD MONDAY OF EACH MONTH

Organizations that received copies of Sharptown's 2022 CCR Report

1. Asbury Church UMC
2. Mt. Vernon UMC Church
3. American Legion DOR-WIC Post 218
4. Sharptown Fire Department

Phone: 410-883-3767
Fax: 410-883-3772
Email: sharptown@comcast.net
www.townofsharptown.org



Maryland

Department of the Environment

Wes Moore, Governor
Aruna Miller, Lt. Governor

Serena McIlwain, Secretary Designate
Suzanne E. Dorsey, Deputy Secretary

Consumer Confidence Report Certification

Water System Name: Town of Sharptown

Water System Number: MD 0220005

I confirm that the Consumer Confidence Report (CCR) for the year **2022** has been delivered to customers (and appropriate notices of availability have been given) in accordance with COMAR 26.04.01.20-2 by **July 1, 2023**. I further certify that the report is correct and consistent with compliance monitoring data previously submitted to the Maryland Department of the Environment (MDE). Submit completed form to watersupply.sampleresults@maryland.gov.

Certified by (print name): William R White

Certified by (signature): [Signature] Date: 6-23-2023

Title: Superintendent

Telephone: 410-883-3767 Email: Sharptown@comcast.net

CCR delivery information (must include completion dates for all applicable delivery actions; see reverse for delivery requirements):

Date CCR was delivered to MDE: 6-26-2023

Date CCR was delivered to customers: 6-26-2023

Indicate method(s) used to deliver CCR to customers:

☐ Postal mail

☐ Electronic delivery*. Describe electronic delivery method: _____

(*An electronic delivery plan must be approved by MDE prior to implementation of electronic delivery.)

☒ Other delivery methods (e.g., door-to-door delivery, posting in an appropriate location). Describe delivery method: Door to Door

Date a notice of CCR availability was published: _____

Date CCR published in local newspaper (attach copy): _____

Date CCR delivered to other agencies (if required by the State) _____ Attach list or description (optional).

"Good faith" efforts:

Indicate the date(s) that any of the following "good faith" efforts were used to reach non bill-paying consumers:

6-26-2023 CCR posted on the Internet (include URL: townofsharptown.org)

_____ CCR mailed to postal patrons (bulk mail) within the service area (attach zip codes).

_____ Advertising availability of the CCR in news media (attach copy of announcement).

_____ CCR published in local newspaper (attach copy).

_____ Delivery of multiple copies to single bill addresses serving several persons, such as apartments, businesses, and large private employers.

6-26-23 Delivery to community organizations (attach a list).

_____ Other (describe delivery method): _____

Tier 3 Public Notices:

Check here ☐ if a monitoring or reporting violation public notice, fluoride secondary maximum contaminant level notice, special notice for the availability of unregulated contaminant monitoring date, or other Tier 3 Public Notice was included with the CCR.

Mandatory for systems serving 100,000 or more persons:

CCR must be posted on a publicly accessible Internet site. Indicate the date the CCR was made available on the Internet: _____ . Include Internet address: _____