

Annual Drinking Water Quality Report 2025

Saratoga County Water Authority

260 Butler Road, Gansevoort, NY 12831 (Public Water Supply ID# NY4530222)

INTRODUCTION

To comply with Part 5-1.72 of the New York State Sanitary Code (10 NYCRR), the Saratoga County Water Authority (SCWA) will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. Last year, our tap water met all State drinking water health standards. We are proud to report that our system did not violate a maximum contaminant level or any other water quality standard. Included are details about where the water comes from, what it contains, and how it compares to State standards.

If you have any questions about this report or concerning your drinking water, please contact us at (518) 761- 2058. We want you to be informed about your drinking water. If you want to learn more, please attend any of our regularly scheduled Water Authority board meetings. The meetings are held monthly in the Board of Supervisor's meeting room at the Saratoga County Office Building located at 40 McMaster Street, Ballston Spa, NY 12020. For the next meeting date and time please go to our website: www.saratogacountywaterauthority.com.

WHERE DOES OUR WATER COME FROM?

In general, 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 activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and the EPA prescribe regulations which limit the number of certain contaminants in water provided by public water systems. The State Health Departments and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

The water source for the SCWA is the upper Hudson River. Water treatment consists of addition of a coagulant and filtration through 0.1-micron membrane filters and granular activated carbon filters. Caustic soda is added for pH adjustment and orthophosphates are added for corrosion control. Sodium hypochlorite is added for disinfection and to maintain a residual through the transmission system. There are two 1 million-gallon water storage tanks (clearwells) at the water plant. This tank provides contact time for proper disinfection of water and provides storage for our pumping and transmission system. Our water treatment plant has been in service since February of 2010.

Our drinking water is derived from a surface water source, the Hudson River. Hydrologic characteristics generally make rivers highly sensitive to existing and new sources of nitrate, phosphorus and microbial contamination. Elevated susceptibility ratings do not mean that source water contamination has or will occur for this Public Water System (PWS). This PWS provides treatment and regular monitoring to ensure that the water delivered to consumers meets all applicable standards. Continued vigilance in compliance with water quality protection and pollution prevention programs as well as continued monitoring and enforcement will help to continue to protect our source water quality.

FACTS AND FIGURES

In 2025 our water system served ten customers; The Town of Moreau, the Wilton Water & Sewer Authority, the Town of Ballston, the Clifton Park Water Authority, the Town of Malta, the Village of Stillwater, the Town of Halfmoon, the City of Mechanicville, the Town of Stillwater and the Luther Forest Technology Campus. The total water provided to our customers in 2025 was 2,714,240,702 gallons. The annual daily average water consumption was 7,436,276 gallons a day. Our highest monthly average daily flow was recorded during July 2025 at 10,148,709 gallons per day. In 2025, municipal water customers were charged \$2.428 per 1,000 gallons of water.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

As the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include: total coliform, color, pH, chlorine residual, turbidity, inorganic compounds, nitrate, nitrite, volatile organic compounds, disinfection byproducts, radiologicals, and synthetic organic compounds. The table presented below depicts which compounds were detected in your drinking water. The State allows us to test for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women, infants and young children. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. Saratoga County Water Authority is responsible for providing high quality drinking water but 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 the 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 (1-800- 426-4729) or at <http://epa.gov/safewater/lead>.

It should be noted that all drinking water, including bottled drinking water, may be reasonably 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 EPA's Safe Drinking Water Hotline (800-426-4791) or the New York State Department of Health Glens Falls District Office at (518) 793-3893.

Table of Detected Contaminants							
Contaminant	Violation Yes/No	Date of Sample	Level Detected (Avg/Max) (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TI or AL)	Likely Source of Contamination
Microbiological Contaminants							
Total Coliform Bacteria	No	10 Samples Monthly	None	Monthly	0	TT=2 or more positive samples.	Naturally present in the environment.
Turbidity ⁴ (Highest Result -Entry Point)	No	7-21-2025	0.073	NTU	N/A	TT-1.0	Soil Runoff.
Transmission System	No	4-15-2025	0.38	NTU	N/A	TT-5.0	
Total Organic Carbon (TOC)	No	Treated Avg	1.54 Avg. 0.9-Min 2.2-Max	mg/l	N/A	TT	Naturally present in the environment.
Inorganics							
Contaminant	Violation Yes/No	Date of Sample	Level Detected (Avg/Max) (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TI or AL)	Likely Source of Contamination
Nitrate	No	3/18/25	0.12	mg/l	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.

Manganese	No	4-18-2023	2	ug/l	<i>N/A</i>	300	Naturally occurring; Indicative of landfill contamination
Sodium	No	4-18-2023	7.2	mg/l	<i>N/A</i>	270*	Naturally occurring; Road salt; Water softeners; Animal waste.
Chloride	No	4-18-2023	8.1	mg/l	<i>N/A</i>	250	Naturally occurring or indicative of road salt contamination.
Barium	No	9-9-2025	0.005	mg/l	2	2 mg/l	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Copper	No	8-24-2023	0.4056 ¹ 0.03-1.20	mg/l	1.3	AL=1.3	Corrosion of household plumbing systems; Erosion of natural deposits; leaching from wood preservatives.
Lead	No	8-24-2023	ND	mg/l	<i>N/A</i>	0.015	Corrosion of household plumbing systems; Erosion of natural deposits.
Disinfection Byproducts							
Haloacetic Acids - (mono-, di, and trichloroacetic acid, and mono- and di-bromoacetic acid) ^{2, 3, 4}	No	LRAA#1 Range #1 LRAA#2 Range #2 LRAA#3 Range #3 LRAA#4 Range #4	33.0 (19.3-47.0) 20.0 (12.5-29.2) 24.0 (16.9-34.0) 28.0 (15.9-3)	ug/l	<i>N/A</i>	60	By-product of drinking water chlorination needed to kill harmful organisms.
Trihalomethanes-(Chloroform, Bromodichloromethane, dibromochloromethane, and bromoform) ^{2, 3, 4}	No	LRAA#1 Range #1 LRAA#2 Range #2 LRAA#3 Range #3 LRAA#4 Range #4	39.0 (20.0-58.0) 26.0 (11.0-38.5) 36.0 (17.0-56.3) 32.0 (17.0-45.9)	ug/l	<i>N/A</i>	80	By-product of drinking water chlorination needed to kill harmful organisms.

¹ The level presented represents the 90th percentile of the fourteen samples collected. The action level for lead was exceeded at three of the sites tested at GlobalFoundries. Follow-up tests were found within the limits.

² LRAA means Locational Running Annual Average. This is a calculation of all samples collected during the running 4 quarter sampling period and averaged for that specific location.

³ Location #1= LFTC Tank Out; Location #2= Wilton Connection; Location #3= LFTC Tank In; Location #4= Ballston Connection.

⁴ Turbidity is a measure of the cloudiness of the water. We test it because it is a good indicator of the effectiveness of our filtration system. Our highest single turbidity measurement (0.9 NTU) for the year occurred on (give date). State regulations require that turbidity must always be below 1 NTU. The regulations require that 95% of the turbidity samples collected have measurements below 0.3 NTU. Although (give date) was the month when we had the fewest measurements meeting the treatment technique for turbidity, the levels recorded were within the acceptable range allowed and did not constitute a treatment technique violation

* Water containing more than 20 mg/l of sodium should not be used for drinking by people on severely restricted sodium diets.

Definitions:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.

Maximum Contaminant Level Goal (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.

Maximum Residual Disinfectant Level (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 (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 contamination.

Running Annual Average (RAA): The arithmetic average of the average results for each of four consecutive quarters. For disinfection byproducts the MCL and RAA are rounded to the nearest tenth when the results are given in micrograms per liter.

Locational Running Annual Average (LRAA): The average of all samples collected from that particular sampling location during each monitoring period over the Running Four Quarter Period.

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

Secondary Standards: Established standards that are based on aesthetics and are not based on health risk. These contaminants may cause color, taste or odor problems but will not cause illness.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Non-Detects (ND): Laboratory analysis indicates that the constituent is not present.

Nephelometric Turbidity Unit (NTU): A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Milligrams per liter (mg/l): Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

Micrograms per liter (ug/l): Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

Nanograms per liter (ng/l): Corresponds to one part of liquid to one trillion parts of liquid (parts per trillion - ppt).

Picograms per liter (pg/l): Corresponds to one part per of liquid to one quadrillion parts of liquid (ppq).

Picocuries per liter (pCi/l): A measure of the radioactivity in water.

Millirems per year (mrem/yr): A measure of radiation absorbed by the body.

Million Fibers per Liter (MFL): A measure of the presence of asbestos fibers that are longer than 10 micrometers.

WHAT DOES THIS INFORMATION MEAN?

As you can see by the table, our system had no violations. We have learned through our testing that some contaminants have been detected; however these contaminants were detected below the level allowed by the state.

We are required to provide the following information on lead in drinking water:

Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. Saratoga County Water Authority is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time. You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, contact *Saratoga County Water Authority at 518-761-2058*. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <https://www.epa.gov/safewater/lead>.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

During 2025, our system was in compliance with all applicable State drinking water operating, monitoring and reporting requirements.

INFORMATION ON CRYPTOSPORIDIUM

Cryptosporidium is a microbial pathogen found in surface water and groundwater under the influence of surface water. Although filtration removes Cryptosporidium, the most commonly-used filtration methods cannot guarantee 100 percent removal. The Saratoga County Water Authority utilizes membrane filtration technology which removes these contaminants at higher rates than conventional water treatment technologies. During 2018, as part of our routine sampling, eight samples were collected of untreated Hudson River source water and analyzed for Cryptosporidium oocysts. Of these samples, no oocysts were detected. Therefore, our testing indicates there was no presence of Cryptosporidium in our source water. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Ingestion of Cryptosporidium may cause cryptosporidiosis, a gastrointestinal infection. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome disease within a few weeks. However, immuno-compromised people are at greater risk of developing life-threatening illness. We encourage immuno-compromised individuals to consult their health care provider regarding appropriate precautions to take to avoid infection. Cryptosporidium must be ingested to cause disease, and it may be spread through means other than drinking water.

INFORMATION ON GIARDIA

Giardia is a microbial pathogen present in varying concentrations in many surface waters and groundwater under the influence of surface water. Giardia is removed/inactivated through a combination of filtration and disinfection or by disinfection. During 2018, as part of our routine sampling, eight samples were collected of untreated Hudson River source water and analyzed for Giardia cysts. Of these samples, seven samples showed a total of seventy-nine cysts and one sample showed no cysts. Therefore, our testing indicates the presence of Giardia in our source water. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Ingestion of Giardia may cause giardiasis, an intestinal illness. The Saratoga County Water Authority utilizes membrane filtration technology which removes these contaminants at higher rates than conventional water

treatment technologies. People exposed to Giardia may experience mild or severe diarrhea, or in some instances no symptoms at all. Fever is rarely present. Occasionally, some individuals will have chronic diarrhea over several weeks or a month, with significant weight loss. Giardiasis can be treated with anti-parasitic medication. Individuals with weakened immune systems should consult with their health care providers about what steps would best reduce their risks of becoming infected with Giardiasis. Individuals who think that they may have been exposed to Giardiasis should contact their health care providers immediately. The Giardia parasite is passed in the feces of an infected person or animal and may contaminate water or food. Person to person transmission may also occur in day care centers or other settings where hand washing practices are poor.

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Although our drinking water meets state and federal regulations, some people may be more vulnerable to disease causing microorganisms or pathogens 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 HN/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791).

Information on Unregulated Contaminants

In 2025, we were required to collect and analyze drinking water samples for the following unregulated contaminants: EPA Method 533 Per- and Polyfluoroalkyl Substances (PFAS) as part of PFOA/PFOS sampling. This sample was collected on June 12, 2025. You may obtain the monitoring results by calling us at 518-761-2058.

Unregulated Perfluoroalkyl Substances

Contaminant	Violation (yes/no)	Date	Level Detected	Unit of Measure	MCLG or Health Advisory Level ^{1,2}
Perfluorobutanoic Acid (PFBA)	No	6-12-25	1.64	ng/l	7000 ng/L

1. USEPA Health Advisory Levels identify the concentration of a contaminant in drinking water at which adverse health effects and/or aesthetic effects are not anticipated to occur over specific exposure durations. Health Advisory Levels are not to be construed as legally enforceable federal standards and are subject to change as new information becomes available.
2. All perfluoroalkyl substances, besides PFOA and PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 0.05 mg/L = 50,000 ng/L.

INFORMATION ON LEAD SERVICE LINE INVENTORY

A Lead Service Line (LSL) is defined as any portion of pipe that is made of lead which connects the water main to the building inlet. An LSL may be owned by the water system, owned by the property owner, or both. The inventory includes both potable and non-potable SLs within a system. In accordance with the federal Lead and Copper Rule Revisions (LCRR) our system has prepared a lead service line inventory and have made it publicly accessible by going to <https://health.data.ny.gov>.

WHY SAVE WATER AND HOW TO AVOID WASTING IT?

Although our system has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water:

- Saving water saves energy and some of the costs associated with both of these necessities of life;
- Saving water reduces the cost of energy required to pump water and the need to construct costly new wells, pumping systems and water towers; and
- Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use restrictions so that essential firefighting needs are met.

You can play a role in conserving water by becoming conscious of the amount of water your household is using, and by looking for ways to use less whenever you can. It is not hard to conserve water. Conservation tips include:

- Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- Turn off the tap when brushing your teeth.
- Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it and you can save almost 6,000 gallons per year.
- Check your toilets for leaks by putting a few drops of food coloring in the tank, watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from one of these otherwise invisible toilet leaks. Fix it and you save more than 30,000 gallons a year.
- Use your water meter to detect hidden leaks. Simply turn off all taps and water using appliances, and then check the meter after 15 minutes. If it moved, you have a leak.

SYSTEM IMPROVEMENTS

In 2025, the SCWA started construction of a new five-million-gallon tank next to our existing five-million-gallon tank on Cordero Boulevard in the Town of Stillwater. In addition, the SCWA is beginning design of a new booster pumping station on Underpass Road in the Town of Ballston which is anticipated to be constructed in 2027 and 2028. These improvements are needed to satisfy continuing demands for water.

CLOSING

Thank you for allowing us to continue to provide your family with quality drinking water this year. We ask that all our customers help us protect our water sources, which are the heart of our community. Please call our office if you have questions.