Truesdale Lake Property Owner's Association Annual Drinking Water Quality Report for 2023

TLPOA, Box 193, South Salem, NY 10590
Public Water Supply ID# 5903468

INTRODUCTION

To comply with State and Federal regulations, T.L.P.O.A. annually issues 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, your 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. This report provides an overview of last year's water quality. Included are details about where your 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:
John Muro II, President of Allied Pollution Control, Inc. at (845) 878-0007 or,
T.L.P.O.A. at the address listed above.

If you want to learn more about your water supply, please contact T.L.P.O.A. to attend a scheduled board meeting. The annual meeting will take place June 13th, 7:30 PM at our Gilbert Street Beach.

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 amount of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Our water source is groundwater drawn from two drilled wells located within the property boundaries of the community. There is also a third well, but it is not utilized as part of the water source. The water is pumped from the wells to a storage tank. The well water is disinfected with sodium hypochlorite as it is transferred to the storage tank. Our water system serves 450 people through one hundred and thirty-one service connections.

The NYS DOH has completed a source water assessment for this system, based on available information. Possible and actual threats to this drinking water source were evaluated. The state source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily contaminants can move through the subsurface to the wells. The susceptibility rating is an estimate of the potential for contamination of the source water, it does not mean that the water delivered to consumers is, or will become contaminated**.** See section "Are there contaminants in our drinking water?" for a list of the contaminants that have been detected, if any. The source water assessments provide resource managers with additional information for protecting source waters into the future.

As mentioned before, our water is derived from 2 drilled wells. The source water assessment has rated these wells as having a medium-high susceptibility to microbials, nitrates, industrial solvents, and other industrial contaminants. These ratings are primarily due to the close proximity of residential land use and associated activities, such as fertilizing lawns.

In addition, the wells drawing from unconfined aquifer, which is a shallow aquifer that occurs immediately below the ground surface and has no overlying protective layer for protection from potential sources of contamination and the hydraulic conductivity of the aquifer is unknown. While the source water assessment rates our wells as being susceptible to microbials, please note that our water is disinfected to ensure that the finished water delivered into your home meets New York State's drinking water standards for microbial contamination.

A copy of the assessment, including a map of the assessment area, can be obtained by contacting your water supplier or the Westchester County Health Department.

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, inorganic compounds, nitrate, nitrite, lead and copper, volatile organic compounds, total trihalomethanes, haloacetic acids, radiological 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. Some of our data, though representative, are more than one year old.

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 Westchester County Health Department at (914) 813-5000.

TABLE OF DETECTED CONTAMINANTS

Contaminant	Violation Y/N	Sample Date	Level Detected (Avg/Max) (Range)	Unit Measurement	MCLG	Regulatory Limit MCL or AL	Likely Source of Contamination
Radioactive Contaminants							
Uranium Entry Point	No	2/2021	2.7 (2.5-2.9)	ug/l	0	30	Erosion of natural deposits
Disinfection Byproducts							
Trihalomethanes							
Total Trihalomethanes (TTHM) *2 *Bromodichloromethane , Bromoform, Chloroform & Dibromochloromethane* 48 Hoyt Flushing Hydrant 33 Bouton	 No No	 8/16/2023 8/16/2023	 3.99 (0.55 – 1.6) 4.26 (0.62 - 1.7)	ug/l	N/A	80	By-product of drinking water chlorination needed to kill harmful organisms. THMs are formed when source water contains large amounts of organic matter.
Inorganic Contaminants							
Copper *2	No	9/2021	0.175 (0.019-0.196)	mg/l	1.3	AL=1.3	Corrosion of household plumbing systems; Erosion of natural deposits
Lead *3	No	9/2021	5.9 (<1 –9.6)	ug/l	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Barium Main Well Basketball Well	 No No	 2/23/2022 2/23/2022	 0.049 0.046	mg/l	2	2	Erosion of natural deposits
Chloride Main Well Basketball Well	 No No	 2/23/2022 2/23/2022	 79.4 71.9	mg/l	N/A	250	Naturally occurring; road salt
Iron Main Well	 No	 2/23/2022	 22	ug/l	N/A	300	Naturally occurring
Nitrate as Nitrogen Main Well Basketball Well	 No No	 3/9/2023 3/9/2023	 2.42 2.40	mg/l	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium *4 Main Well Basketball Well	 No No	 2/23/2022 2/23/2022	 16.1 14.7	mg/l	N/A	*see health effects below	Naturally occurring; road salt, water softeners
Sulfate Main Well Basketball Well	 No No	 2/23/2022 2/23/2022	 17.6 17.6	mg/l	N/A	250	Naturally occurring
Zinc Main Well Basketball Well	 No No	 2/23/2022 2/23/2022	 0.050 0.021	mg/l	N/A	5	Naturally occurring

Contaminant	Violation Y/N	Sample Date	Level Detected (Avg/Max) (Range)	Unit Measurement	MCLG	Regulatory Limit MCL or AL	Likely Source of Contamination
Synthetic Organic Compounds *5							
Perfluorooctanoic acid -(PFOA) Main Well Basketball Well	 No No	 10/23/2023 7/28/2023	 4.77 3.03	ng/l	N/A	10	Released into the environment from widespread use in commercial and industrial applications.
Perfluorooctanesulfonic acid-(PFOS) Main Well Basketball Well	 No No	 10/23/2023 7/28/2023	 2.13 3.17	ng/l	N/A	10	Released into the environment from widespread use in commercial and industrial applications.

Additional Lead and Copper Information

Contaminant & Sample Date	Number of Samples Collected	Number of Exceedances	Range Above Action Level	Site 1	Site 2	Site 3	Site 4	Site 5
Lead (ug/l.)								
September 2021	5	0	N/A	<1	1.7	1.8	2.2	9.6
Copper (ppm)								
September 2021	5	0	N/A	0.019	0.040	0.060	0.153	0.196

TABLE OF UNREGULATED DETECTED PERFLUOROALKYL SUBSTANCES

Contaminant	Violation Y/N	Sample Date	Level Detected (Avg/Max) (Range)	Unit Measurement	MCLG or Health Advisory Level *6	Regulatory Limit MCL or AL	Likely Source of Contamination
Unspecified Organic Compounds *7							
Perfluorobutanesulfuric acid-(PFBS) Main Well Basketball Well	 No No	 10/23/2023 7/28/2023	 1.62 2.01	ng/l	2,000	N/A	Released into the environment from widespread use in commercial and industrial applications.
Perfluoroheptanoic acid-(PFHpA) Main Well Basketball Well	 No No	 10/23/2023 7/28/2023	 1.24 1.25	ng/l	N/A	N/A	Released into the environment from widespread use in commercial and industrial applications.
Perfluorohexanesulfonic acid-(PFHxS) Main Well Basketball Well	 No No	 10/23/2023 7/28/2023	 1.87 1.79	ng/l	N/A	N/A	Released into the environment from widespread use in commercial and industrial applications.
Perfluorohexanesulfonic acid-(PFHxA) Main Well Basketball Well	 No No	 10/23/2023 7/28/2023	 4.13 2.40	ng/l	N/A	N/A	Released into the environment from widespread use in commercial and industrial applications.

Notes:

*1 – During 2023 we collected and analyzed samples at two locations for Total Trihalomethanes. This level represents the highest level detected, as well as the range of the individual constituents.

*2 – The level presented represents the 90th percentile of the 5 sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the copper values detected at your water system. In September 2021, 5 samples were collected at your water system and the 90th percentile value was the average of the two highest samples which equaled 0.175 mg/l. The action level for copper was not exceeded at any of the sites tested.

*3 – The level presented represents the 90th percentile of the 5 sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the lead values detected at your water system. In September 2021, 5 samples were collected at your water system and the 90th percentile value was the average of the two highest samples which equaled 5.9 ppb. The action level for lead was not exceeded at any of the sites tested.

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. The Truesdale Lake water supply 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 the Truesdale Lake Property Owner's Association. 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.

*4 - Water containing more than 20 mg/l of sodium should not be used for drinking by people on severely restricted sodium diets. Water containing more than 270 mg/l of sodium should not be used for drinking by people on moderately restricted sodium diets.

*5 - PFOA and PFOS are part of a larger group of chemicals referred to as perfluoroalkyl substances (PFASs). PFAS are manmade chemicals that have been widely used in various consumer, commercial, and industrial products since the 1950s. These chemicals' unique properties make them resistant to heat, oil, stains, grease, and water and useful in a wide variety of everyday products. One of the PFAS' was widely used in fire-fighting foam. On August 26, 2020, New York State adopted new drinking water standards for public water systems that set maximum contaminant levels (MCLs) of 10 parts per trillion (10 ppt) each for perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), and 1 part per billion (1 ppb) for 1,4-dioxane.

PFOA and PFOS have caused a wide range of health effects when studied in animals that were exposed to high levels. The most consistent findings in animals were effects on the liver and immune system and impaired fetal growth and development. PFOA and PFOS also cause cancer in laboratory animals exposed to high levels over their lifetimes. Additional studies of exposures of PFOA and PFOS in people provide evidence that some of the health effects seen in animals may also occur in humans.

*6 – 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.

*7 – All perfluoroalkyl substances, besides PFOA and PFOS, are considered Unspecified Organic Contaminants (UOC).

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.
Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
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).
Picocuries per liter (pCi/L): A measure of the radioactivity in water.
Nanograms per liter (ng/l): Corresponds to one part of liquid in one trillion parts of liquid (parts per trillion - ppt).

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.

Although lead was detected below the action level, it was detected, therefore we are required to present the following information on lead in drinking water:

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. The Truesdale Lake water supply 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 the Truesdale Lake Property Owner's Association. 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.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

During 2023, our system was in compliance with all applicable State drinking water operating, monitoring and reporting requirements.

All Westchester County Department of Health required upgrades for the Main Well disinfection system are complete and have been approved by the Westchester County Department of Health. The backup generator and propane tank for the Basketball Court well have been installed and completed and the building department permits for the work have been closed out with the Town of Lewisboro Building Department. The Truesdale Lake Water Corporation is currently working on a digital mapping of location street water and property valves with the goal of having the map completed in the fall of 2024. Per EPA requirements the Truesdale Lake Water Corporation is currently working with water users on the lead service line inventory project. In addition, The Water Corp is also developing methods for documentation of existing service lines for lead testing.

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Although our drinking water met or exceeded 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 HIV/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).

WHY SAVE WATER AND HOW TO AVOID WASTING IT?

Although our system has an adequate amount of water to meet present 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.

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 up 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, then check the meter after 15 minutes, if it moved, you have a leak.

CROSS CONNECTION CONTROL INFORMATION

Cross-connections are any linkage through which contaminants could possibly enter a water supply. The contaminant enters the water system typically by back siphonage when a loss in pressure in the water system siphons contaminants into the distribution system through a submerged inlet. While in a residential water system like ours, such contamination is relatively rare, it is important for all users to understand how cross-connections can occur, your obligation as users to avoid them, and how to prevent contamination from any cross-connections.

Some examples are useful to clarify the situations under which cross-connection contamination might occur. One example is someone using a hose to fill a container of pesticide or weed-killer who left the hose under the surface of the liquid. If a sufficient drop in water pressure from the supply line occurred, it is possible that the pesticide would travel back up the hose and into the house water supply. Another example is if antifreeze is put into the pipes while a house is vacant. If there was a drop in pressure outside the house, it is possible that the antifreeze would drain out of the house and into the public water lines. A private well connected to the plumbing system served by public water is another example of a cross-connection. Such a connection is not permitted unless the public system is protected by an appropriate backflow preventer. Other examples could involve other chemical pollutants, such as photography chemicals, and "used" water, such as bathtubs with a spigot (or a detachable spray handle) which is under the level of the water in the tub.

The first defense is knowledge and common sense. Once you know that cross-connection contamination can occur, you can prevent it. Always be very careful in your use of chemicals, and always have an air gap between a filler hose or spigot and the level of liquid in a container.

If you have cross-connections in your plumbing system, you must have a containment device between your house pipes and the water system. The EPA indicates that a dual check valve supplies reliable and inexpensive protection for individual residences. All hose bibs should have vacuum breakers. Installing these devices is the responsibility of the homeowners and would be done at their expense.

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, our way of life and our children's future. Please call our office if you have questions.

This report was compiled and prepared by your water system operator:

Allied Pollution Control, Inc.
Water & Wastewater Specialists

1273 Route 311
Patterson, New York 12563
Phone: (845) 878-0007
Fax: (845) 878-2104