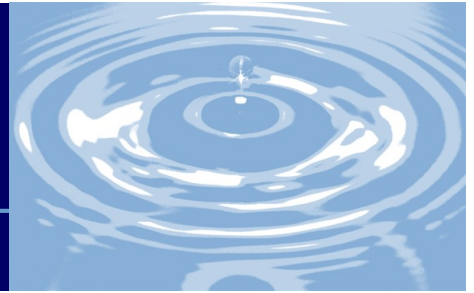


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**VILLAGE OF TARRYTOWN**  
**WESTCHESTER COUNTY, NEW YORK**

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**2021 Annual Water Quality Report**

**Tarrytown Water District**  
**PWS ID Number NY5903461**

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**May 2022**

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## **INTRODUCTION**

To comply with State regulations, the Village of Tarrytown will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your awareness of the need to protect our drinking water sources.

Last year your tap water met all state drinking water health standards with the exception of maximum contaminant level for haloacetic acids, we are proud to report that our system did not violate the maximum contaminant level for any other water quality standards. 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 the Tarrytown Water Department office at (914) 631-0356 between the hours of 7:00 a.m. to 3:30 p.m. We want you to be informed about your drinking water. If you want to learn more, please attend any of our regularly scheduled Village Board meetings. The meetings are held on the first and third Mondays of each month, except for summer months, when the Board only meets once a month. The public can also review exact meeting schedules, dates and times by visiting the Tarrytown website, [www.tarrytowngov.com](http://www.tarrytowngov.com), or by calling the Village Hall at (914) 631-1885.

## **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. 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.

The Village of Tarrytown has two sources of water. Tarrytown's year-round major source of water comes from the New York City Catskill Aqueduct System. The Village is "tapped" into the aqueduct just south of the Kensico Reservoir. This water is not filtered due to the high quality of the water. The NYC Catskill source is treated with ultraviolet disinfection, chlorine disinfection, and fluoride addition prior to distribution. Tarrytown's emergency source is the New York City Croton Aqueduct. This source is only used by the Village when the Catskill water supply is unavailable due to repairs or low flows. The Croton source can supply 4 million gallons daily and is not filtered. The village requires prior authorization from the state to use croton source for the emergency water supply. In the year 2021, no water was supplied from the Croton Aqueduct. Water from both the sources is disinfected with Chlorine and meets Federal and State microbiological standards. The Croton source does not meet the new 1996 Surface Water Treatment Rule requirements for turbidity (suspended material in water, usually fine clay). The turbidity normally cannot be seen by the human eye. All surface water supplies including Tarrytown are under a Federal and State mandate to filter their water; however, Tarrytown is currently operating under a filtration avoidance waiver. The Village of Tarrytown has prepared a filtration study, which can be implemented if or when required.

Tarrytown Water Department uses the injection of a blended orthophosphate in the treated water as a sequestering agent. The Westchester County Department of Health has approved the use of this chemicals in drinking water.

## **SOURCE WATER ASSESSMENT PROGRAM (SWAP)**

The New York State Department of Health (NYSDOH) has evaluated the susceptibility of water supplies statewide to potential contamination under the Source Water Assessment Program (SWAP), and their findings are summarized in the paragraphs below. It is important to stress that these assessments were created using available information and only estimate the potential for source water contamination. Elevated susceptibility ratings do not mean that source water contamination has or will occur for this PWS. This PWS provides treatment and regular monitoring to ensure the water delivered to consumers meets all applicable standards.

## **NYC Watershed Introduction**

This Public Water System obtains water from the New York City water supply system. Water primarily comes from the Catskill watershed east of the Hudson River and in emergencies from the Croton watershed in Putnam and Westchester counties. The New York City Department of Environmental Protection (NYCDEP) implements a series of programs to evaluate and protect source water quality within these watersheds. Their efforts focus on three important program areas; the enforcement of strengthened Watershed Rules and Regulations; the acquisition and protection of watershed lands; and implementation partnership programs that target specific sources of pollution in the watersheds.

Due to these intensive efforts, the SWAP methodologies applied to the rest of the state were not applied for this PWS. Additional information on the water quality and protection efforts in these New York City watersheds can be found at DEP's web site [www.nyc.gov/dep/watershed](http://www.nyc.gov/dep/watershed).

## **SOURCE SPECIFIC ASSESSMENTS**

This Public Water System obtains its water primarily from the Catskill watershed east of the Hudson and in emergencies from the Croton watershed in Putnam and Westchester counties. The main water quality concerns associated with land cover in these watersheds are agriculture and residential land uses which can contribute microbial contaminants, pesticides, and algae producing nutrients. There are also some concerns associated with wastewater, but advanced treatments which reduce contaminants are in place for most of these discharges. Additionally, the presence of other discrete facilities, such as landfills, chemical bulk storage, etc. could lead to some local impacts on water quality, but significant problems associated with these facilities are unlikely due to the size of the watershed and surveillance and management practices. In addition, the shallow nature of the Croton reservoirs, along with excess algae nutrients and the presence of wetlands in the watershed, contribute to periods of elevated water tint and disinfection by-product precursor levels.

## **FACTS AND FIGURES**

Our water system serves approximately 12,000 people through approximately 2,300 service connections. The total amount of water supplied to the Village distribution system in 2021 was approximately 453,404,000 gallons from the NYC Water Source. The daily average amount of water treated and pumped into the distribution system was 1.242 million gallons. Our estimated highest single day demand in 2021 was 5 million gallons.

The estimated unaccounted-for water in the Tarrytown Water System is approximately 17.88% this figure is based on the amount of water pumped against the amount of water sold. Unaccounted for water includes water lost due to water main breaks, firefighting, street cleaning, hydrant flushing and other miscellaneous unmetered uses of water.

The Village of Tarrytown has had a permanent Water Conservation Law in effect since 1989. A copy of this law may be obtained at the Tarrytown Water Department c/o the Village Administrator's Office, One Depot Plaza, Tarrytown, NY.

The Village utilizes a 4.0-million-gallon high service tank, located above 620 South Broadway, a 900,000-gallon low service tank located north of Sunnyside Avenue, off Neparan Road, and a 50,000-gallon air break tank located at the Shaft-10 Pumping Station on Neparan Road. All water is fed to the air-break tank, where it is chlorinated and chemically treated before distribution.

The average single-family household in the Tarrytown Water Department uses approximately 8,000 cubic feet of water per year. The Tarrytown Water Department bills four times a year and the average bill per billing period is \$176.42 for a total of \$705.69 per year. The cost of water is \$88.50/1,000 cubic feet for residential customers. Commercial customers are billed on a monthly basis. The commercial water tiered rate starts at \$91.02/1,000 cubic feet to \$157.30/1,000 cubic feet. Outside commercial users start at \$136.53/1,000 cubic feet to \$235.92/1,000 cubic feet. Senior citizens who qualify for reduced rate pay \$65.99/1,000 cubic feet.

The Village Water Department Budget is \$6,019,959, and the cost of water purchased from New York City is \$2,054.63 per million gallons. Excess water charge is \$3,300.44 per million gallons for greater than 123.97 gpcd use.

## **ARE THERE CONTAMINANTS IN OUR DRINKING WATER?**

As the State regulations require, we routinely test our drinking water for numerous contaminants. These contaminants include total coliform, turbidity, inorganic compounds, nitrate, nitrite, lead and copper, volatile organic compounds, synthetic organic compounds, total trihalomethanes, haloacetic acids, and radionuclides. The table presented below depicts which compounds were detected in our drinking water. The State allows us to test some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, may be more than one year old.

The Village has available Annual Water Quality Report Supplement containing the analytical lab results for the contaminants tested. The Supplement is available for review upon written requests to customers of the Tarrytown Water Department. All requests must be made to the Tarrytown Water Department c/o the Village Administrator's Office, One Depot Plaza, Tarrytown, NY 10591. The Supplement will also be available for review at the Warner Library, North Broadway, Tarrytown, NY.

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 at 800-426-4791 or the Westchester County Department of Health at 914-813-5000.

**Table of Detected Contaminant**

Contaminant	Violation (Y/N)	Date of Sample	Level Detected/Avg (Range)	Unit Measurement	MCLG	MCL / TT / AL	Likely Source of Contamination
<b>Microbiological Contaminants</b>							
Turbidity <sup>1</sup>	N	2021	0.81 (0.31 – 1.70)	NTU	n/a	5	Soil Runoff
Total Coliform Bacteria	N	2021 (June)	2 positive	n/a	0	TT= 2 or more positive	Naturally present in the environment.
<b>Radionuclides</b>							
Beta particle and photon activity from man-made radionuclides	N	2021 <sup>2</sup>	0.658	pCi/L	0	50 <sup>3</sup>	Decay of natural deposits and man-made emissions.
Gross alpha activity (including radium-226 but excluding radon and uranium)	N	2021 <sup>2</sup>	(1.28)	pCi/L	0	15 <sup>3</sup>	Erosion of natural deposits.
Combined Radium 226 & 228	N	2021 <sup>2</sup>	0.246	pCi/L	0	5 <sup>8</sup>	Erosion of natural deposits.
<b>Inorganics</b>							
Fluoride	N	2021	0.691	mg/L	n/a	2.2	Erosion of natural deposits; Water additive that promotes strong teeth; Discharge from fertilizer and aluminum factories.
Manganese	N	2021	10.8 <sup>6</sup>	µg/L	n/a	300	Naturally occurring; Indicative of landfill contamination.
Barium	N	2021	0.0145	mg/L	2	2	Discharge of drilling wastes, metal refineries, erosion of natural deposits
Chloride	N	2021	10.20	mg/L	n/a	250	Naturally occurring or indicative of road salt contamination



Contaminant	Violation (Y/N)	Date of Sample	Level Detected/Avg (Range)	Unit Measurement	MCLG	MCL / TT / AL	Likely Source of Contamination
Sodium	N	2021	9.83	mg/L	n/a	See below <sup>7</sup>	Naturally occurring; Road salt; Water softeners; Animal waste.
Calcium	N	2021	5.30	mg/L	n/a	n/a	Naturally occurring.
Odor	N	2021	1.00	T.O.N.	n/a	3	Organic or inorganic pollutants originating from municipal and industrial waste discharges; natural sources.
<b>Inorganics – Nitrate and Nitrite</b>							
Nitrate	N	2021	0.114	mg/L	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
<b>Organics – Synthetic Organic Compounds (SOC)</b>							
1,4-Dioxane	N	2021	0.027	µg/l	n/a	1	Released into the environment from commercial and industrial sources and is associated with inactive and hazardous waste sites
Perfluorooctanoic Acid (PFOA)	N	2021	<LOQ	ng/l	n/a	10	Released into the environment from widespread use in commercial and industrial applications.
Perfluorooctane Sulfonic Acid (PFOS)	N	2021	<LOQ	ng/l	n/a	10	Released into the environment from widespread use in commercial and industrial applications.
<b>Disinfection Byproducts</b>							
Haloacetic Acids	Y	2021	64.65 <sup>9</sup> (12.5-87.0) <sup>10</sup>	µg/l	n/a	60	By-product of drinking water disinfection needed to kill harmful organisms.
Total Trihalomethanes	N	2021	73.95 <sup>9</sup> (23.7-101.4) <sup>10</sup>	µg/l	n/a	80	By-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains large amounts of organic matter.

Contaminant	Violation (Y/N)	Date of Sample	Level Detected/Avg (Range)	Unit Measurement	MCLG	MCL / TT / AL	Likely Source of Contamination
<b>UCMR4</b>							
10 Cyanotoxins <sup>11</sup>	n/a	2018-2019	ND	µg/l	n/a	n/a	Unregulated Contaminant
20 Additional Contaminants <sup>11</sup>	n/a	2018-2019	Range (1.19-68.37)	µg/l	n/a	n/a	Unregulated Contaminant

Turbidity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Highest Monthly Value	0.69	0.89	1.17	1.40	1.70	1.40	1.19	1.19	1.20	1.00	0.96	0.77

<b>LEAD &amp; COPPER</b>								
Contaminant	Violation (Y/N)	Date of Sample	Level Detected (90% Value) (Range)	Unit Measurement	Regulatory Limit (AL)	# of Samples Collected	# of Samples Exceeds AL (Range)	Likely Source of Contamination
Lead	N	2021	3.05 <sup>5</sup> (<1.0-13.9)	µg/l	15	30	0 <sup>5</sup>	Corrosion of household plumbing system; Erosion of natural deposits
Copper	N	2021	93.1 <sup>5</sup> (11.4 – 169)	µg/l	1,300	30	0 <sup>5</sup>	Corrosion of household plumbing system; Erosion of natural deposits; leaching from wood preservatives

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. *Village of Tarrytown* 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 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 (1-800-426-4791) or at <http://www.epa.gov/safewater/lead>.

1. Turbidity is a measure of the cloudiness of the water. We test it because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.
2. Radiological testing is performed once every nine years under reduced monitoring. Results from 2021 are valid until 2029.
3. The state considers 50pCi/l to be the level of concern for beta particles, and 15 pCi/l Gross alpha particles.
4. Due to consecutive test results of low lead and copper levels in the distribution water, lead and copper samples are tested on a reduced monitoring schedule.
5. The level presented represents the 90th percentile of the sites tested during June – September. 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 values detected at your water system. This year the 90th percentile values for lead and copper were under the Action Level limits.
6. If iron and manganese are present, total concentration of both should not exceed 500 µg/l.
7. 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.
8. MCL of combined Radium 226 and 228 is 5 pCi/L.
9. The level represents the highest value of locational running annual average (LRAA) calculated from the last four quarters at four locations. LRAA also includes previous year quarterly results. The four set of samples were collected quarterly.
10. The Range represents the min and max values out of all TTHMs and HAA5s sample collected throughout the four locations for this reporting year.
11. UCMR 4: The following 30 chemical contaminants were monitored:  
10 Cyanotoxins (Nine Cyanotoxins and One Cyanotoxin Group): total microcystins, microcystin-LA, microcystin-RR, microcystin-LF, microcystin-YR, microcystin-LR, microcystin-LY, nodularin, cylindrospermopsin, anatoxin-a.  
20 Additional Contaminants: germanium, manganese, alpha-hexachlorocyclohexane, profenofos, chlorpyrifos, tebuconazole, dimethipin, total permethrin (cis- & trans-), ethoprop, tribufos, oxyfluorfen, HAA5, HAA6Br, HAA9, 1-butanol, 2-propen-1-ol, 2-methoxyethanol, butylated hydroxyanisole, o-toluidine, quinoline.  
(HAA\*:dibromoacetic acid, dichloroacetic acid, monobromoacetic acid, monochloroacetic acid, trichloroacetic acid;  
HAA6Br:bromochloroacetic acid, bromodichloroacetic acid, dibromoacetic acid, chlorodibromoacetic acid, monobromoacetic acid, tribromoacetic acid;  
HAA9: bromochloroacetic acid, bromodichloroacetic acid, chlorodibromoacetic acid, dibromoacetic acid, dichloroacetic acid, monobromoacetic acid, monochloroacetic acid, tribromoacetic acid, and trichloroacetic acid).

## 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.
- 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.
- Limit of Quantitation (LOQ): The lowest concentration of a measurand that can be reliably measured by an analytical procedure.
- 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 (parts per quadrillion – 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.
- Level-1 Assessment: A Level-1 Assessment is an evaluation of the water system to identify potential problems and determine, if possible, why total coliform bacteria have been found in our water system.

### **What does this information mean?**

As you can see from the table above, our system had one violation related to haloacetic acids. Details of the violation and remedial action are described in the following section below. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below New York State requirements. It should be noted that this year the 90th percentile values for lead and copper remains under the action level limits.

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

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. Village of Tarrytown water system 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 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 (1-800-426-4791) or at <http://www.epa.gov/safewater/lead>.

### **Is our water system meeting other rules that govern operations?**

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards.

During 2021, we had a monitoring violation in the month of November for not collecting the required number of total-coliform samples from the distribution system. Water system collected 9 total-coliform samples during the month. The required monthly sampling is 10. No threat to the public health, safety and welfare occurred as the result

of this sample being missed. No change in the water system operations has occurred, except to reinforce that the 10 per month testing cycle will resume pursuant to the monitoring plan.

The Village water system violated a drinking water standard during the 4<sup>th</sup> quarter of 2021. Although this incident was not an emergency, you have a right to know what happened and what we are doing to correct this situation. Disinfection Byproducts results revealed that the locational running annual average (LRAA) for Total Haloacetic Acids (HAA5) exceeded the Maximum Contaminant Level (MCL) of 0.060 micrograms per liter (0.060 mg/L) with a specific value of 0.065 mg/L and 0.062 mg/L at two of the designated sampling locations in the water distribution system. The Village is actively working to mitigate high levels of Haloacetic Acids in the water system.

## **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. New York City Department of Environmental Protection (NYCDEP) samples for Cryptosporidium oocysts on a weekly basis in the source water. Based on NYCDEP Water Quality Report 2021, Fifty-two (52) samples from Kensico reservoir were collected and tested for #oocysts/50L by NYCDEP. Four (4) samples were tested positive. Therefore, testing indicates the presence of Cryptosporidium is in our source water. However, current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. The presence of low levels of Cryptosporidium detected in the source water required no further action on the part of NYCDEP.

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 surfacewater and groundwater under the influence of surface water. Giardia is removed/inactivated through a combination of filtration and disinfection or by disinfection. New York City Department of Environmental Protection (NYCDEP) samples for Giardia cysts on a weekly basis. Based on NYCDEP Water Quality Report 2021, Fifty-two (52) samples from Kensico reservoir were collected and tested for #cysts/50L by NYCDEP. Thirty-five (35) samples were tested positive. Therefore, testing indicates the presence of Giardia in our source water. However, current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. The presence of low levels of Giardia detected in the source water required no further action on the part of NYCDEP.

Ingestion of Giardia may cause giardiasis, an intestinal illness. 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 daycare centers or other settings where hand washing practices are poor.

## **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).

All sources of drinking water (both tap water and bottled water) including rivers, lakes, streams, ponds, reservoirs, springs, and wells contain contaminants. 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. 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, 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 process 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.
- *Unregulated contaminants* are those for which the EPA has not established drinking water standards. The purpose of unregulated contaminants monitoring is to assist the EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.



## **INFORMATION ON UNREGULATED CONTAMINANTS**

The 1996 amendments to the Safe Drinking Water Act (SDWA) require that once every five years, the U.S. Environmental Protection Agency (EPA) issue a new list of no more than 30 unregulated contaminants to be monitored by public water systems (PWSs). The Unregulated Contaminant Monitoring Rule (UCMR) provides EPA and other interested parties with scientifically valid data on the occurrence of contaminants in drinking water. This national survey is one of the primary sources of information on occurrence and levels of exposure that the Agency uses to develop regulatory decisions for contaminants in the public drinking water supply.

Our system performed monitoring for the EPA Unregulated Contaminant Monitoring Regulation (UCMR4) for the Assessment Monitoring of 30 Unregulated Contaminants during the year 2018 and 2019. A complete summary of monitoring results are included in the Supplementary Section of the 2021 AWQR. The 30 unregulated contaminants included 10 cyanotoxins (nine cyanotoxins and one cyanotoxin group) and 20 additional contaminants (two metals, eight pesticides plus one pesticide manufacturing byproduct, three brominated haloacetic acid [HAA] disinfection byproducts groups, three alcohols, and three semivolatile organic chemicals [SVOCs]).

If you have any questions, about the Unregulated Contaminants, please contact EPA's Safe Drinking Water Hotline at 800-426-4791 for information on UCMR4 monitoring. This list of contaminants is not subject to any proposed or promulgated national primary drinking water regulation (NSDWRs), are known or anticipated to occur in public water systems, and may require regulations under the Safe Drinking Water Act (SDWA).

## **INFORMATION ON FLUORIDE ADDITION**

Our system is one of the many drinking water systems in New York State that provides drinking water with a controlled, low level of fluoride for consumer dental health protection. Fluoride is added to your water by the New York City Department of Environmental Protection (NYCDEP) before it is delivered to us. According to the United States Centers for Disease Control, fluoride is very effective in preventing cavities when present in drinking water at a properly controlled level. To ensure that the fluoride supplement in your water provides optimal dental protection, the NYCDEP monitor fluoride levels on a daily basis.

## **INFORMATION FOR NON-ENGLISH SPEAKING RESIDENTS**

This report contains important information about your drinking water. Translate it, or speak with someone who understands it.

**Spanish:** Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entienda bien.

**French:** Ce rapport contient des informations importantes sur votre eau potable. Traduisez-le ou parlez en avec quelqu'un qui le comprend bien.

## **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 and helps 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 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 these invisible toilet leaks. Fix it and you can 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 2021, the following water distribution improvements were performed:

Two (2) water main breaks were repaired, replaced/install one (1) new fire hydrant, and eight (8) water service lines were replaced from the tap to the curb valve.

## **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 do not hesitate to call the Village Hall at (914) 631-1885 if you have any questions.