

Annual Drinking Water Quality Report for 2023 Village of Hilton

59 Henry Street, Hilton NY 14468

Public Water Supply ID 2701045

Introduction: To comply with State regulations, the Village of Hilton has prepared this annual 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 your drinking water, please contact us at 585-392-4144. 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 Tuesday of each month, at 5:00 PM in the Hilton Community Center, located at 59 Henry Street, Hilton, NY 14468.

Water Quality: 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 can pick up substances resulting from animals or human activity. Contaminants that may be present in untreated water include inorganic and organic chemicals, pesticides and herbicides and radioactive and microbiological contaminants. In order to ensure that your tap water is safe to drink, the State and the USEPA established regulations that set limits on contaminant levels in water provided by public water systems.

Source & Treatment: Our water source is Lake Ontario. During 2023, our system did not experience any restriction of our water source. After filtration, disinfection, and fluoride treatment by the Monroe County Water Authority Shoremont Treatment Plant in Greece, the treated water is distributed to, and purchased by, the Village of Hilton. The Village of Hilton does not employ additional water treatment such as filtration. The New York State Department of Health has evaluated the susceptibility of water supplies statewide for potential contamination under the Source Water Assessment Program (SWAP). In general, the Lake Ontario source used by the Village of Hilton is not very susceptible because of the size and quality of the Great Lakes. Because storm and wastewater contamination are potential threats to any source water, the water provided to our customers undergoes rigorous treatment and testing prior to its delivery. For more information, please contact the Village of Hilton Office at 585-392-4144.

Are there contaminants: It should be noted that all drinking water, including bottled drinking water, might 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 EPA's Safe Drinking Water Hotline (1-800-426-4791) or the Monroe County Department of Public Health at 585-753-5057. As the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include: total coliform, turbidity, inorganic compounds, nitrite, lead, copper, volatile organic compounds, total trihalomethanes, haloacetic acids, radiological and synthetic organic compounds.

In addition to the testing done at the plants by the MCWA, the Village of Hilton also tests the distribution system for chlorine residual, turbidity, disinfection byproducts, and total coliform. Systems that collect fewer than 40 total coliform sample per month must report the highest number of positive samples collected in any one month. During the 2023 reporting period there weren't any positive total coliform samples (none detected). The contaminants detected in your drinking water are included in the Table of Detected Contaminants. The State allows us to test for some contaminants less than once per year because these concentrations of the contaminants does not change frequently. Some of our data though representative is more than one year old.

Escherichia coli (E. coli)

Escherichia coli (E. coli) bacteria is a microbial pathogen whose presence indicates the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infant, young children, the elderly, and people with severely compromised immune systems.

One of the Monroe County Water Authority's 366 routine monthly water quality samples collected on October 31, 2023 indicated the presence of E. coli. We collected repeat water quality samples and found no E. coli bacteria present. This indicates the initial sample was a false-positive result. Therefore, no violation of the maximum contaminant level or MCL occurred and we returned to performing routine water quality monitoring.

FLUORIDE - MCWA is one of the many New York water utilities providing drinking water with a controlled, low level of fluoride for consumer dental health protection. According to the US Centers for Disease Control, fluoride is very effective in preventing cavities when present in drinking water at an optimal level of 0.7 mg/L. To ensure optimal dental protection, the State Department of Health requires that we monitor fluoride levels on a daily basis. In 2023 the fluoride levels in your water were within 0.2 mg/L of the CDC's recommended optimal level 99.6% of the time. The highest-level monitoring result was 0.98 mg/L, below the 2.2 mg/L MCL for fluoride.

What does this mean? As you can see by the table presented, our system had no violations. We have learned through testing that some contaminants have been detected; however, these contaminants were below New York State requirements.

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 and service lines. The Village of Hilton is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. You can take responsibility by identifying and removing lead materials within your home plumbing. 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>. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water.

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 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.

Conservation: Lake Ontario provides an abundance of water for our community, but it takes power to treat and move the water to your house. Therefore, conserving energy is helpful to providing clean, safe water to you. To save water, fix leaky faucets and toilets promptly, replace washers when garden hoses start to drip, water your lawn in the early morning, and turn off the tap when brushing your teeth.

Statistics

Total water purchased from MCWA (Gallons)	131,616,000
Annual System Use (Gallons)	116,491,000
Non-billable water (maintenance, flushing, leaks)	15,126,000
Annual cost for average residential customer	\$265.00
Population served	5941 Per 2022 Census
Number of accounts	1908

For additional information please contact Jeff Pearce at 585-392-9632 or visit the Village of Hilton, 59 Henry Street, Hilton NY 14468

This report can be also viewed at www.hiltonny.org

2023 Calendar Year Results -

Turbidity - Turbidity is a measure of cloudiness or clarity of the water. Turbidity has no health effects. MCWA monitors turbidity because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants. The distribution system annual range and average for 84 samples are listed. Our highest average monthly distribution turbidity measurement detected was 2.49NTU in Sept 2023. The value is below the State's maximum contaminant level (5NTU).

Microbial Parameters - For total coliform bacteria, a Treatment Technique violation occurs when more than 5% of monthly samples are positive. The highest monthly % positive and number of positive samples is listed.

For *E. coli* bacteria, a MCL violation occurs when a total coliform positive sample is positive for *E. coli* and a repeat total coliform sample is positive or when a total coliform positive sample is negative for *E. coli*, but a repeat total coliform sample is positive and the sample is also positive for *E. coli*. The number of positive *E. coli* samples is listed.

Disinfectant and Disinfectant By-products (DBPs) - Chlorine has a MRDL (Maximum Residual Disinfectant Level) and MRDLG (MRDL Goal) rather than an MCL and MCLG (Averages and ranges for 84 samples are listed). For the DBPs (Total Trihalomethanes and Haloacetic Acids) the annual system averages, ranges for all locations, and highest locational running annual averages for all locations are listed.

Lead and Copper - 90% of samples must be less than the Action Level (AL). The 90th Percentile, the number of samples exceeding the AL, and the range of results are listed. (2024 monitoring period for 40 samples)

* There is no MCL set for sodium in water. However, EPA recommends that 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.

Metals:	Entry Points:		Lake Ontario Supplies -					Water Quality Violation: Yes or No
	Units	Regulatory Limit	SWTP					
Lithium	µg/L	NA	ND					NA
Per & Polyfluorinated Alkyl Acids (PFAS):								
[29 PFAS Substances]	ng/L	NA	ND					NA

For more information on the Village of Hilton water quality monitoring program call 585-392-4144 or visit our website at: www.hiltonny.org.

Key Terms and Abbreviations Used:

MCL = Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as possible.

MCLG = Maximum Contaminant Level Goal - The level of a contaminant below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MRDL = Maximum Residual Disinfectant Level - 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.

MRDLG = Maximum Residual Disinfectant Level Goal - 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.

LRAA = Locational Running Annual Average - The annual average contaminant concentration at a monitoring site.

pCi/L = PicoCuries per Liter.

TT = Treatment Technique - A required process intended to reduce the level of a contaminant in drinking water.

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

ND = Not Detected - Absent or present at less than testing method detection level. All testing methods are EPA approved with detection limits much less than the MCL.

NA = Not applicable. **NR** = Not required / Not reported. **NS** = No standard.

mg/L = Milligram (1/1,000 of a gram) per Liter = ppm = parts per million.

µg/L = Microgram (1/1,000,000 of a gram) per Liter = ppb = parts per billion.

ng/L = Nanogram (1/1,000,000,000 of a gram) per Liter = ppt = parts per trillion.

NTU = Nephelometric Turbidity Unit - A measurement of water clarity.

CWTP = Corfu Water Treatment Plant. **SWTP** = Shoremont Water Treatment Plant. **WWTP** = Webster Water Treatment Plant.

MCWA = Monroe County Water Authority. **Rochester** = City of Rochester. **ECWA** = Erie County Water Authority.

Compounds Tested For But Not Detected:

Benzene	Trichlorofluoromethane	Endothall	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
Bromobenzene	1,2,3-Trichloropropane	Glyphosate	Perfluoro (2-ethoxyethane) sulfonic acid (PFEEISA)
Bromochloromethane	1,2,4-Trimethylbenzene	Hexachlorobenzene	Perfluoro-3-methoxypropanoic acid (PFMPA)
Bromomethane	1,3,5-Trimethylbenzene	Hexachlorocyclopentadiene	Perfluoro-4-methoxybutanoic acid (PFMBA)
n-Butylbenzene	Vinyl Chloride	3-Hydroxycarbofuran	Perfluorobutanesulfonic acid (PFBS)
sec-Butylbenzene	o-Xylene	3,5-Dichlorobenzoic Acid	Perfluorooctanoic Acid (PFOA)
tert-Butylbenzene	m, p-Xylene	Methomyl	Perfluorodecanoic acid (PFDA)
Carbon Tetrachloride	Total Xylene	Metolachlor	Perfluorododecanoic acid (PHDoA)
Chlorobenzene	Acifluorfen	Metribuzin	Perfluoroheptanesulfonic acid (PFHpS)
Chloroethane	Alachlor	Oxamyl (vydate)	Perfluoroheptanoic acid (PFHpA)
Chloromethane	Aldicarb	Paraquat	Perfluorohexanesulfonic acid (PFHxS)
2-Chlorotoluene	Aldicarb sulfoxide	Perchlorate	Perfluorohexanoic acid (PFHxA)
4-Chlorotoluene	Aldicarb sulfone	Picloram	Perfluorononanoic acid (PFNA)
Dibromomethane	Atrazine	Propachlor	Perfluoropentanesulfonic acid (PFPeS)
1,2-Dichlorobenzene	Baygon	Simazine	Perfluoropentanoic acid (PFPeA)
1,3-Dichlorobenzene	Bentazon	2, 3, 7, 8-TCDD (Dioxin)	Perfluorotetradecanoic acid (PFTA)
1,4-Dichlorobenzene	Carbofuran	Antimony	Perfluorotridecanoic acid (PFTA)
Dichlorodifluoromethane	Chlordane	Beryllium	Perfluoroundecanoic acid (PFUnA)
1,1 Dichloroethane	Dibromochloropropane	Cyanide	
1,2-Dichloroethane	2, 4-D	Mercury	
1,1-Dichloroethene	Endrin	Nickel	
cis-1,2-Dichloroethene	Ethylene Dibromide	Nitrite	
trans-1,2-Dichloroethene	Heptachlor	Silver	
1,2-Dichloropropane	Heptachlor Epoxide	Thallium	
1,3-Dichloropropane	Lindane (gamma-BHC)	Zinc	
2,2-Dichloropropane	Methoxychlor	Surfactants (Foaming Agents)	
1,1-Dichloropropene	p,p' DDD	Cryptosporidium	
1,3-Dichloropropene(cis)	p,p' DDE	Giardia Lamblia	
1,3-Dichloropropene(trans)	p,p' DDT	Monobromoacetic acid	
Ethylbenzene	PCB's Total	Monochloroacetic acid	
Hexachlorobutadiene	Pentachlorophenol	Tribromoacetic acid	
p-Isopropyltoluene	Toxaphene	Gross Alpha Particles	
Methyl Tert-butyl ether (MTBE)	2, 4, 5-TP (Silvex)	Radium 226	
Methylene Chloride (Dichloromethane)	Aldrin	Radium 228	
n-Propylbenzene	Benzo(a)pyrene	Combined Radium 226/228	
Styrene	Butachlor	Uranium	
1,1,1,2-Tetrachloroethane	Carbaryl	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	
1,1,2,2-Tetrachloroethane	Dalapon	1H,1H, 2H, 2H-perfluorodecane sulfonic acid (8:2FTS)	
Tetrachloroethene	Di(2-Ethylhexyl) Adipate	1H,1H, 2H, 2H-perfluorohexane sulfonic acid (4:2FTS)	
Toluene	Di(2-Ethylhexyl) phthalate (DEHP)	1H,1H, 2H, 2H-perfluorooctane sulfonic acid (6:2FTS)	
1,2,3-Trichlorobenzene	Dicamba	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	
1,2,4-Trichlorobenzene	Dieldrin	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	
1,1,1-Trichloroethane	Dinoseb	Hexafluoropropylene oxide dimer acid (HFPO-DA)(GenX)	
1,1,2-Trichloroethane	1, 4-Dioxane	N-ethyl Perfluorooctanesulfonamidoacetic acid (NetFOSAA)	
Trichloroethene	Diquat	N-methyl Perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	