

**Annual Drinking Water Quality Report for 2023**  
**Village of Hammondsport AND Town of Urbana**  
**18 Water Street**  
**Hammondsport, NY 14840**  
**(Public Water Supply ID#NY5001223 Village of Hammondsport)**  
**TOWN OF URBANA WATER DISTRICT 1 #NY5030106**  
**WATER DISTRICT 2 #NY5020177**

## **INTRODUCTION**

To comply with State regulations, the Village of Hammondsport, 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, 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. Last year, we conducted tests for over 80 contaminants. Of those contaminants tested, none were found to be at a level higher than the State allows. 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 Chris McConnell, Water Treatment Plant Operator 607-569-3704. 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 the 2<sup>nd</sup> Tuesday of each month, 6:00 p.m. at the Village Office, 18 Water Street.

## **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. 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 system serves 661 people with 385 service connections in the Village, 56 people with 33 service connections in Urbana District 1, and 83 people with 45 connections in Urbana 2. The Village of Hammondsport pumps surface water from Keuka Lake into the filtration plant located at the head of the lake. Treatment consists of diatomaceous earth filters, chlorination and fluoridation prior to distribution.

The quality of water supplied by the Village of Hammondsport as verified by the testing results reported in this statement is excellent and there is more than enough water to supply all demands including firefighting. A Source Water Assessment Summary will be included when data is available from the NYS Department of Health.

## **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 coli form, turbidity, inorganic compounds, nitrate, nitrite, lead and copper, volatile organic compounds, total trihalomethanes, halo acetic 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, might 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 at (607) 324-8371.

Contaminants that may be present in raw source water before it is treated are microbial contaminants, inorganic contaminants, pesticides and herbicides, radioactive contaminants, and organic chemical contaminants. Even with the best water treatment it is not always possible to remove all contaminants. Earth and rock act as natural filters and remove many of these contaminants. The EPA sets limits on the amount of a contaminant that can be in the drinking water. We routinely monitor for contaminants in your drinking water according to Federal and State Laws.

**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 and farming.

**Pesticides and herbicides** – which may come from a variety of sources, such as agricultural and residential uses.

**Radioactive contaminants** – which are naturally occurring.

**Organic chemical contaminants** – including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, can also come from gas stations, urban water runoff, and septic systems.

## **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 using the best available treatment technology.

**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.

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**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.

**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.

**Milligrams 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 is longer than 10 micrometers.

**Total Trihalomethanes (TTHMs)** – Some people who drink water-containing Trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system and may have an increased risk of getting cancer.

**Turbidity** – is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. State regulations require that turbidity must always be less than or equal to 1.0 NTU. The regulations require that 95% of the turbidity samples collected have measurements below 1.0 NTU.

## **Lead:**

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. The Village of Hammondsport 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>.

## **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 New York State requirements. Some people drinking water with dichloromethane in excess of the MCL over many years could have liver problems and an increased risk of getting cancer

## **IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?**

### **Water Testing**

Your water must be safe to drink and one of the important ways you can be sure that it is safe is by constant testing of the supply. The Village of Hammondsport takes many water samples each year for numerous chemical, physical and microbiological tests. Testing allows the Village to determine a potential problem and take proper preventative action.

Water samples are taken before and after treatment. These tests are conducted by independent laboratories that report results simultaneously to the Village of Hammondsport and to the Health Department.

## **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. Our monitoring indicated the presence of these organisms in our source water and/or finished water. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Symptoms include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immune-compromised people are at greater risk of developing life-threatening illness. We encourage immune-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.

## **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. Immune-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).

## **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. 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 State Department of Health requires that we monitor fluoride levels on a daily basis to make sure fluoride is maintained at a target level of 0.7 mg/l. During 2022 monitoring our testing showed that fluoride levels in your water were within 0.1 mg/l of the target level 92% of the time. None of the monitoring showed fluoride levels to approach 2.2 mg/l MCL for fluoride.

## **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 fire fighting 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.

## **CLOSING**

Thank you for allowing us to continue to provide your family with quality drinking water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. The costs of these improvements may be reflected in the rate structure. Rate adjustments may be necessary in order to address these improvements. 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.

Contaminant	Violation Yes / No	Date of Sample	Level Detected (Avg/Max) (Range)	Unit of Measure	MCLG	Regulatory Limit (MCL, AL or TT)	Likely Source of Contamination
Lead	No	6/8/21	90% = 4.1 Range: 0-4.2	ug/l	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits.
Copper	No	6/8/21	90%= .1.06 Range:0.21-1.1	mg/l	1.3	AL = 1.3	Corrosion of household plumbing systems; Erosion of natural deposits; leaching from wood preservatives.
Lead (Entry Point)	No	9/6/23	2.1	ug/l	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits.
Barium	No	9/6/23	16.1	Ug/l	2	2	Discharge of drilling wastes erosion of natural deposits
Nitrate	No	2/8/22	.257	Mg/L	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Fluoride	No	Monthly	Range: .68-.8	mg/l	N/A	2.2	Erosion of natural deposits; Water additive that promotes strong teeth; Discharge from fertilizer and aluminum factories.
Radium 226	No	5/5/14	0.4	PCi/L	0	5 (Combined with 228)	Erosion of natural deposits.
Radium 228	No	8/7/23	.42	PCi/L	0	5 (Combined with 226)	Erosion of natural deposits.
Gross Beta	No	8/7/23	1.8	PCi/L	0	50	Decay of natural deposits and man-made emissions.
Gross Alpha	No	5/5/14	<.8E	PCi/L	0	5	Erosion of natural deposits.
Methalene Chloride (Dichloromethane) (1)	No	4/10/18	ND-0.7	Ug/l	0	5	Discharge from pharmaceutical and chemical factories
<u>Total Trihalomethanes (TTHMs)</u> Entry Point (chloroform, bromodichloromethane, dibromochloromethane, and bromoform)	No	9/6/23	32.3	ug/L	0	80	By-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains large amounts of organic mater
<u>Total Trihalomethanes (TTHMs)</u> Max Res Time: Samples from Village  Urbana WD # 1 WD #2	No	Quarterly  8/08/23 Quarterly	Range: 30-38.6 LRAA: 35.5  68.4 Range 40-77.7 LRAA: 57.18	ug/l	0	80	By-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains large amounts of organic mater
<u>Haloacetic Acids (HAA5s)</u>  Max Res Time: Samples from Village	No	Quarterly	Range: 19-32.6 LRAA25.6	ug/l	N/A	60	By-product of drinking water Chlorination.

Urbana WD # 1 WD #		8/08/23 Quarterly	26.4 Range 27.1-43.6 LRAA: 34.6				
Turbidity	No	Daily	Highest measurement for year  .67 NTU	NTU	N/A	TT = < 5 NTU	Soil Runoff
Turbidity	No	Daily	Lowest % of samples meeting prfm. Std of 1.0 NTU: 100%	NTU	N/A	TT = 95% of samples <=/ 0.1 NTU	Soil Runoff
Chlorine residual Village	No	Monthly	Range .54-1.4 Average 1.03	Mg/l	N/A	Average for the month greater than 4	Left over chlorine for continuing disinfection in the water
Chlorine residual U1	No	Monthly	Range .2 – 1. Average ..52	Mg/l	N/A	Average for the month greater than 4	Left over Chlorine for continuing disinfection in the water
Chlorine residual U2	No	Monthly	Range .25 – .88. Average .6	Mg/l	N/A	Average for the month greater than 4	Left over Chlorine for continuing disinfection in the water
Nickel	No	9/6/23 2020	<5.0 .08	Ug/l	N/A	N/A	Dissolution of rocks and soil, atmospheric fallout, biological decays, and waste disposal

RAA: Running Annual Average

ND: Non Detect

- (1) This compound was also found in the trip blank so the lab declared the results in doubt. We have sampled 2 additional times since then and the contaminant was not found.