

Annual Drinking Water Quality Report Addendum for 2022
Town of Hanover Water District #1
Town of Hanover Water District #2
68 Hanover Street
Silver Creek, NY 14136
Public Water Supply ID# NY0600393 & NY0600394

INTRODUCTION

The information contained in this report is a supplement to the report prepared by the Erie County Water Authority (ECWA). If you did not receive their Annual Water Quality Report feel free to contact the Town of Hanover Water & Sewer Department at (716) 934-2231 for a copy or it can be obtained on-line at https://www.ecwa.org/files/pdf/2022_awqr_report.pdf.

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.

WHERE DOES OUR WATER COME FROM

Water for Hanover Water District #1 is provided directly by the Erie County Water Authority; water for Hanover Water District #2 is also from the ECWA but it is provided by the Village of Silver Creek. The ultimate source of water provided by the ECWA is from Lake Erie and it is extensively treated. More information about their water source and treatment can be found in their Annual Water Quality Report. The Town of Hanover Water District #1 also has a booster chlorination station that is used to maintain proper chlorine levels in the water.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

As the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include: Total coliform, Total Trihalomethanes, Haloacetic Acids and Lead and Copper. 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 Chautauqua County Health Department at 716-753-4481.

Table of Detected Contaminants Hanover Water District #1							
Contaminant	Violation	Date of Sample	Level Detected	Unit Measure -ment	Regulatory Limit MCL/AL	MCLG	Likely Source of Contamination
STAGE 2 DISINFECTION BYPRODUCTS							
Total Trihalomethanes (Adams St)	No	Quarterly (2022)	Avg.= 65.33 Range= 32.6 – 80	ug/l	80(MCL)	N/A	By-products of drinking water chlorination.
Haloacetic Acids (Wastewater Plant)	No	Quarterly (2022)	Avg.= 25 Range= 13.4 – 42.2	ug/l	60(MCL)	N/A	By-products of drinking water chlorination. TTHM's are formed when source water contains large amounts of organic matter.
INORGANIC CONTAMINANTS							
Copper(1)	No	6/16/20	0.123 Range= 0.009-0.161	mg/l	1.3(AL)	1.3	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Lead(2)	No	6/16/20	1.61 Range= ND-3.36	ug/l	15(AL)	0	Corrosion of household plumbing systems; Erosion of natural deposits.

DISINFECTANT

Chlorine Residual	No	Daily (2022)	Avg.= 0.83 Range= 0.48 – 1.19	mg/l	4.0 (MCL)	N/A	Water additive used to control microbes.
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Table of Detected Contaminants Hanover Water District #2

Contaminant	Violation	Date of Sample	Level Detected	Unit Measure -ment	Regulatory Limit MCL/AL	MCLG	Likely Source of Contamination
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INORGANIC CONTAMINANTS

Copper(1)	No	6/16/20	0.123 Range= 0.009-0.161	mg/l	1.3(AL)	1.3	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Lead(2)	No	6/16/20	1.61 Range= ND-3.36	ug/l	15 (AL)	0	Corrosion of household plumbing systems; Erosion of natural deposits.

STAGE 2 DISINFECTION BYPRODUCTS (LAST WATER CONNECTION)

Total Trihalomethanes	No	8/04/22	74.9	ug/l	80 (MCL)	N/A	By-products of drinking water chlorination.
Total Haloacetic Acids	No	8/4/22	26.8	ug/l	60 (MCL)	N/A	By-products of drinking water chlorination. Formed when source water contains large amounts of organic matter.

DISINFECTANT

Chlorine Residual	No	Daily (2022)	Avg.= 0.37 Range= 0.2 – 0.9	mg/l	4.0 (MCL)	N/A	Water additive used to control microbes.
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Notes:

- The level presented represents the 90th percentile of the 16 sites tested within the two water districts. 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 two water systems. In this case, 16 samples were collected within the two water districts and the 90th percentile value was 0.123 mg/l. The action level for copper was not exceeded at any of the sites tested.
- The level presented represents the 90th percentile of the 16 sites tested within the two water districts. The 90th percentile value for lead was 1.61 ug/l. The action level for lead was not exceeded at any of the sites tested.

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 that is 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.

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

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

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. Lead and copper were detected within the system but of 16 samples collected none were found exceeding the action levels. We are however 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. Town of Hanover 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 Town of Hanover Water & Sewer Department at (716) 934-2231. 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?

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 2022, our system was in compliance with applicable State drinking water operating, reporting and monitoring requirements.

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

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).

INFORMATION FOR NON-ENGLISH SPEAKING RESIDENTS

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?

The Town of Hanover encourages water conservation. Although the Town has a reliable source of good water, it must not be wasted. A few simple steps will preserve the resources for future generations. 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.
- ♦ Install water saving toilets, low flow shower heads and faucets.

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.