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**Annual Drinking Water Quality Report for 2022**  
**Livingston County Water & Sewer Authority**  
**1997 D'Angelo Drive, Lakeville, New York 14480**  
[www.lcwsa.us](http://www.lcwsa.us)

Public Water Supply ID Numbers:

LCWSA Consolidated District:	NY2501019
Village of Livonia District:	NY2501022
Town of Geneseo District 3:	NY2530023
Groveland Correctional Facility:	NY2500795
ARS/Groveland:	NY2530018

**INTRODUCTION**

To comply with State and Federal regulations, the Livingston County Water & Sewer Authority (LCWSA) 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, we conducted tests for microbiological contaminants as well as disinfection byproducts. 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 Mark Kosakowski, Director of Operations, at (585) 346-3523. We want you to be informed about your drinking water. If you want to learn more, please attend any of our regularly scheduled LCWSA board meetings. The meeting times, dates and locations can be obtained by calling the LCWSA office at (585) 346-3523 or on our website at: <https://lcwsa.us/lcwsa-governing-board/>**

**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 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 and the FDA regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Our water source is obtained from the Hemlock and Canadice Lakes which are located along the eastern boundary of Livingston County and into Ontario County. Treated water is delivered to our service area through a connection to the City of Rochester's transmission main located just north of Big Tree Road in Hemlock. This water is treated at the City of Rochester's Hemlock Lake Water Treatment Facility located on Rix Hill Road in Hemlock using coagulation, filtration, disinfection, and fluoridation. The City of Rochester's 2022 Annual Water Quality Report is available on-line at: <https://www.cityofrochester.gov/waterquality/> and is also posted on the LCWSA's website at: [www.lcwsa.us/water-quality](http://www.lcwsa.us/water-quality).

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In addition, LCWSA re-chlorinates in South Livonia, Lakeville, Conesus, Maple Beach Pump Station, Groveland Station Lower Tank, East Lake Road, and Scottsburg Tank to maintain adequate disinfection, and free chlorine residuals throughout the entire distribution system. Water consumed by the Town of Geneseo Water District 3 and Groveland Correctional Facility is purchased from LCWSA. During 2022, our system did not experience any restriction of our water source.

## **FACTS AND FIGURES**

The Consolidated District, Village of Livonia, Groveland Correctional Facility, and ARS/Groveland systems serve a population of about 9,700 people through over 1,040 service connections.

The total water purchased in 2022 from the City of Rochester was approximately 365,471,000 gallons; the retail sale amount was 249,179,000. This includes all LCWSA and Village of Livonia along with the Town of Geneseo customers and Groveland Correctional Facility. This leaves an unaccounted-for total of 116,292,000 gallons (31% of the total amount purchased). This water was used to flush hydrants, fight fires and for fire drill training by local fire departments, and normal flushing of mains. All other unaccounted-for water was a result of: four (4) water main breaks, five (5) water service repairs, slowed retail meters, un-metered water, and leakage. Our staff replaced 824 retail meters throughout all service areas, as a result of our meter replacement program. In 2022, most water customers were charged \$3.54 per 1,000 gallons of water with an annual minimum water charge per connection of \$148 per year.

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

As the State regulations require, the LCWSA routinely tests your drinking water for Total Coliform Bacteria, Asbestos and Disinfection By-products (Total Trihalomethanes – TTHM, Haloacetic Acids – HAA). The following table 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. Information regarding sampling in the Town of Geneseo District 3 and the Groveland Correctional Facility are reported separately by those systems.

In 2022, the LCWSA took 164 Total Coliform Bacteria samples in the Consolidated water system. Of those samples, a total of 5 samples tested positive for the presence of coliform. In June we had two Total Coliform positive samples at the Niver Rd water tank. The repeat samples came back negative for Total Coliform and E-Coli. In July we had a Total Coliform positive sample at the Groveland Station lower water tank. The repeat samples came back negative for Total Coliform and E-Coli. In August we had a Total Coliform positive sample at the Dennison Rd water tank. The repeat samples came back negative for Total Coliform and E-Coli. In September we had a Total Coliform positive sample at the Dennison Rd water tank. The repeat samples came back negative for Total Coliform and E-Coli.

In 2022, the LCWSA took 24 Total Coliform Bacteria samples in the Village of Livonia Water District. Of these samples, 0 tested positive for coliform bacteria.

In 2022, the LCWSA collected 17 Total Coliform Bacteria samples in the ARS/Groveland water district. Of those samples, one tested positive for the presence of coliform bacteria in September. Repeat samples were negative for bacteria.

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 Safe Drinking Water Hotline (800-426-4791) or the Livingston County Health Department at (585) 243-7280.

Table of Detected Contaminants							
Contaminant	Violation Yes/No	Date of Sample	Level Detected	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
Microbiological Contaminants							
Total Coliform <sup>1</sup>	No	Monthly in each water district	6 positive samples	N/A	0	TT=2 or more positive samples in 1 month	Naturally present in the environment
Chlorine Residual	No	Daily (Entry Point – City of Rochester water supply) Monthly (Measured throughout distribution system)	Range (0.4 - 1.0) Range (0.02 - 2.5)	mg/L	N/A	MRDL= 4.0	Water additive to control Microbes

Stage 2 Disinfection Byproducts – LCWSA Consolidated District <sup>2</sup>

Contaminant	Violation Yes/No	Date of Samples	Average Level Detected (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
TTHM – Site 1 7161 Groveland Hill Rd	No	5/12/21 8/16/21 11/22/21 2/28/22 5/19/22 8/18/22 11/22/22	52.5 <sup>2</sup> (41-63)	ug/L	N/A	80.0	Byproduct of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains organic matter.
TTHM – Site 2 6170 East Lake Rd	No	5/12/21 8/16/21 11/22/21 2/28/22 5/19/22 8/18/22 11/22/22	61.75 <sup>2</sup> (43-88)				
HAA – Site 1 7161 Groveland Hill Rd	No	5/12/21 8/16/21 11/22/21 2/28/22 5/19/22 8/18/22 11/22/22	19.75 <sup>2</sup> (8.8-23)	ug/L	N/A	60.0	Byproduct of drinking water disinfection needed to kill harmful organisms.
HAA – Site 2 6170 East Lake Rd	No	5/12/21 8/16/21 11/22/21 2/28/22 5/19/22 8/18/22 11/22/22	16.22 <sup>2</sup> (3-22)				

Stage 2 Disinfection Byproducts – Village of Livonia Sites <sup>2</sup>							
Contaminant	Violation Yes/No	Date of Samples	Average Level Detected (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
TTHM – Site 1 Livonia Fire Department	No	5/12/21 8/16/21 11/22/21 2/28/22 5/19/22 8/18/22 11/22/22	57.5 (45-70)	ug/L	N/A	80.0	Byproduct of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains organic matter.
HAA – Site 2 51 Washington St.	No	5/12/21 8/16/21 11/22/21 2/28/22 5/19/22 8/18/22 11/22/22	21 <sup>2</sup> (3.9-22)	ug/L	N/A	60.0	Byproduct of drinking water disinfection needed to kill harmful organisms.

Stage 2 Disinfection Byproducts – ARS/Groveland Sites <sup>2</sup>							
Contaminant	Violation Yes/No	Date of Samples	Average Level Detected (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
TTHM – ARS Tank Site	Yes	5/12/21 8/16/21 11/22/21 2/28/22 5/19/22 8/18/22 11/22/22	82.25 <sup>2</sup> (21-123)	ug/L	N/A	80.0	Byproduct of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains organic matter.
HAA – ARS Tank Site	No	5/12/21 8/16/21 11/22/21 2/28/22 5/19/22 8/18/22 11/22/22	21.5 <sup>2</sup> (ND-29)	ug/L	N/A	60.0	Byproduct of drinking water disinfection needed to kill harmful organisms.

Inorganic contaminants – LCWSA Consolidated District							
Contaminant	Violation Yes/No	Date of Sample	Detection Level Average (Range)	Unit Measured	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source
Lead <sup>3</sup>	No	7/27/2021	4.2 (ND-4.25)	ug/L	0	AL = 15	Corrosion of household plumbing
Copper <sup>3</sup>	No	7/27/2021	0.659 (0.054-0.659)	mg/L	1.3	AL = 1.3	Corrosion of household plumbing
Asbestos – RT 63 LCWSA Sewer Plant	No	12/21/20	2	MFL	7	7	Decay of asbestos cement water mains; erosion of natural deposits
Asbestos – Tank 1 Groveland Hill Rd	No	12/21/20	2	MFL	7	7	Decay of asbestos cement water mains; erosion of natural deposits
Asbestos – 5909 Big Tree Rd	No	12/21/20	1	MFL	7	7	Decay of asbestos cement water mains; erosion of natural deposits

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## Notes

- 1 – Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. Following a positive sample, repeat/confirmation samples must be collected. A violation occurs if any of the samples test positive for E. coli bacteria.
- 2 – Stage 2 TTHM and HAA samples were collected quarterly. This represents the highest running annual quarterly average calculated from data collected.
- 3– Lead and Copper: (2021 survey) 90% of samples must be less than the Action Level (AL) 90th percentile. The City of Rochester collected 105 samples. In 2021, 5 of the 105 samples were collected from homes in the LCWSA Consolidated System and the Village of Livonia. None of those samples exceeded the AL for lead or copper.

## 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.

**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.

**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).

**Total Trihalomethanes (TTHM)**: means the sum of the concentration of chloroform, bromodichloromethane, dibromochloromethane and bromoform

**Haloacetic Acids (HAA)**: means the sum of the concentrations of five specific haloacetic acid compounds: (mono-, di- and trichloroacetic acid, and mono- and di-bromoacetic acid)

**Million Fibers per Liter (MFL)**: A measure of the presence of asbestos fibers that are longer than 10 micrometers.

## WHAT DOES THIS INFORMATION MEAN?

As you can see from the table, the Consolidated District and Village of Livonia 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. The table also shows that the ARS/Groveland District uncovered a problem with disinfection byproduct levels. As we told you at the time, the system exceeded the MCL for total trihalomethanes (TTHM) in the third quarter of 2022. The system returned to compliance in the fourth quarter of 2022.

## IS OUR WATER SYSTEM MEETING ALL RULES THAT GOVERN OPERATIONS?

During 2022 our systems were in compliance with applicable State drinking water operation, monitoring and reporting requirements.

## We are required to provide the following information regarding 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 due to materials used in your home's plumbing. The LCWSA, along with The City of Rochester Water Treatment Plant are 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 it for drinking or cooking. If you are concerned about lead in your drinking 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 [www.epa.gov/your-drinking-water/basic-information-about-lead-drinking-water](http://www.epa.gov/your-drinking-water/basic-information-about-lead-drinking-water).

## **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**

This report contains important information about your drinking water. If you need a translated copy, please reach out to our office.

### **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.

## **HOW CAN I SAVE MONEY ON WATER?**

Although our system has an adequate amount of water to meet present and future demands, there are several reasons why it is important to conserve water:

- ◆ Saving water saves energy and some of the costs associated with both necessities of life.
- ◆ Saving water reduces the cost of energy required to pump water and the need to construct new 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 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 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.

For more information, log on to <https://www.dec.ny.gov/lands/313.html>

## SYSTEM IMPROVEMENTS

The LCWSA operates & maintains the districts within the Village of Livonia since July of 2021 as well as the Town of Lima as of August 15, 2022, through agreements with each district. The remainder of the service areas are leased/owned and operated by the LCWSA. The following improvements were completed in 2022:

- Numerous curb boxes were replaced.
- At least four (4) major leaks were discovered and repaired, along with five (5) service lines that were repaired.
- Backflow Prevention program implemented for LCWSA customers.
- Over 30 water service lines within Stone Hill Rd were replaced and transferred to the newer main that was installed in 2005.
- A new 12" water main was installed in the Lakeville area to provide redundancy to the distribution system around the Conesus Outlet.
- New chlorine injection equipment was installed in 7 locations throughout the system to provide more consistency and to help use the treatment more efficiently.

The following projects are in-progress for 2023:

- Meter Replacement Program is ongoing.
- Hydrant and Valve Maintenance will be on going in all districts.

## BULK WATER AVAILABILITY

Water fill stations are located at the Town of Livonia Highway Department (50 Commercial St) and at the Town of Sparta Community Center (7351 Route 256).

## CLOSING

Thank you for allowing us to continue providing your family with clean, quality water this year. It is our mission to maintain a safe and dependable water supply and additional improvements may be necessary in the future. We will keep you informed of any significant changes in services. For current updates please visit our website at [www.lcwsa.us](http://www.lcwsa.us) or call our office at (585) 346-3523 if you have any questions. In case of an Emergency, please call the LCWSA at (585) 346-3523. Questions regarding water billing should be directed to the LCWSA at (585) 346-3523 between the hours of 8:00am and 4:00pm (Monday – Friday).