

Village of Leesburg 2019 Annual Water-Quality Report

Dear Customer: We are pleased to present a summary of the quality of the water provided to you during the past year. The Safe Drinking Water Act (SDWA) requires that utilities issue an annual "Consumer Confidence" report to customers in addition to other notices that may be required by law. This report details where our water comes from, what it contains, and the risks our water testing and treatment are designed to prevent. The Village of Leesburg will notify you immediately if there is any reason for concern about our water. We are happy to show you how we have surpassed water-quality standards. Informed consumers are our best allies in maintaining safe drinking water.

Drinking water supplied by Village of Leesburg is safe and better than all state and federal standards.

The Village of Leesburg has a current, unconditioned license to operate a Public Water System that was renewed in January 2019. We encourage public interest and participation in our community's decisions affecting drinking water. Public feedback is welcome. Anyone wishing to comment on water quality or the operation of the water system is encouraged to do so by attending the Village Commission meetings that are held the third Thursday of each month starting at 6:45 P.M. Further information about Commission meeting dates can be obtained by calling the Water Department at (937) 780-3281.

Water Source

The Village of Leesburg is supplied by groundwater wells pumped from 4-wells at the water treatment plant and adjacent ball fields just south of Stafford Road and west of State Route 28. The Ohio EPA Drinking Source Water Assessment Report rates Leesburg's water supply as a low susceptibility to contamination. The determination was based on the presence of a moderately thick layer of clay overlying the aquifer, the depth of the aquifer below ground surface, no evidence of past contamination from chemicals or human activity and no apparent significant potential contamination sources in the protection area. The Source Water Assessment Report is available by calling the Ohio EPA at (614) 644-2752.

Lead and Water

If present, elevated levels of 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. The Village of Leesburg 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 at 800-426-4791 or at <http://www.epa.gov/safewater/lead>.

About Your Drinking Water

The EPA requires regular sampling to ensure drinking water safety. The Village of Leesburg conducted contaminant sampling for nitrate in 2019, inorganic contaminants, volatile, synthetic organic contaminants and radiological contaminants in 2018, total coliform bacteria, total chlorine, total trihalomethanes (TTHM's), and total haloacetic acids (HAA5) in 2019. Samples for lead and copper analysis were also collected in 2019. Samples are collected for 6 different categories of regulated contaminants, most of which, were not detected in the Village of Leesburg Public Water System. The Ohio EPA requires us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though accurate, is more than one year old. Listed in the table is information on those contaminants that were found.

The table shows the results of our water-quality analyses. Every regulated contaminant that we detected in the water, even in the most minute traces, is listed here. The table contains the name of each substance, the highest level allowed by regulation (MCL), the ideal goals for public health, the amount detected, the usual sources of such contamination, footnotes explaining our findings, and a key to units of measurement. Definitions of MCL and MCLG are important.

Monitoring Violations

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 the month of October 2019, the Village of Leesburg Water Department failed to collect the required number of Total Coliform Bacteria samples as required by the Ohio EPA. Therefore, we cannot be sure of the quality of your water during that time. The Water Department returned to compliance with bacteria sampling requirements in November 2019. Leesburg has taken steps to ensure that adequate monitoring will be performed in the future. These efforts include improved communication with our contract laboratory.

Unregulated Contaminants

Village of Leesburg did not test for Cryptosporidium.

Village of Leesburg did not test for Radon

WATER QUALITY TABLE

Contaminant Units	MCL	MCLG	Level Detected	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
Inorganic Contaminants Regulated at the Treatment Plant							
Barium (ppm)	2	2	0.406	N/A	No	2018	Erosion of natural deposits Discharge of drilling wastes; Discharge from metal refineries;
Fluoride (ppm)	4	4	0.887	N/A	No	2018	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from aluminum
Unregulated Organic Contaminants							
Chloroform (ppb)	N/A	N/A	0.920	N/A	No	2018	By-product of drinking water chlorination
Lead & Copper Regulated at the Customer Tap							
Contaminant	Action Level (AL)	90% of Test Results Less Than	Range of Detections	Violation	Year Sampled	Typical Source of Contaminants	
Lead (ppb)	15 AL	2.20	0 - 2.20	No	2019	Corrosion of household plumbing systems; Erosion of natural deposits	
		Zero (0) out of 10 samples had lead levels in excess of the AL = 15 ppb					
Copper (ppm)	1.3 AL	N/A	0.0483 - 0.617	No	2019	Corrosion of household plumbing systems; Erosion of natural deposits	
		Zero (0) out of 10 samples had copper levels in excess of the AL = 1.3 ppm					
Contaminant Units	MCL	MCLG	Level Detected	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
Residual Disinfectants Regulated in the System							
Total Chlorine (ppm)	4.0 MRDL	4.0 MRDLG	2.28	1.43 – 3.0	No	2019	Water additive used to control microbes
Disinfection Byproducts							
Total Trihalomethanes TTHM's (ppb)	80	0	4.5	1.6 – 4.5	No	2019	By-product of drinking water chlorination.
Haloacetic Acids HAA5 (ppb)	60	0	2.9	1.2 – 2.9	No	2019	By-product of drinking water chlorination.
Radiological Contaminants Regulated at the Treatment Plant							
Alpha Emitters (pCi/L)	15	0	2.48	N/A	No	2018	Erosion of natural of deposits
Combined Radium (pCi/L)	5	0	0.228	N/A	No	2018	Erosion of natural deposits

Water-Quality Table Footnotes

Although we ran many tests, only the listed substances were found. They are all below the MCL required.

Key To Table

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

MCLG = Maximum Contaminant Level Goal: 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.

pci/l = picocuries per liter (a measure of radioactivity)

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 feasible using the best available treatment technology.

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 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

mrem/year = millirems per year (a measure of radiation absorbed by the body)

TTHM's = Total Trihalomethanes: 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 systems and may have an increased risk of getting cancer.

HAA-5 = Haloacetic Acids: Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

microbial contaminants.

ppm = Parts per Million or Milligrams per Liter (mg/L) are units of measure for concentration of a contaminant. A part per million corresponds to one second in a little over 11.5 days.

ppb = Parts per Billion or Micrograms per Liter ($\mu\text{g/L}$) are units of measure for concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.

What are sources of contamination to drinking water?

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 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: (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. (B) Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming. (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, stormwater runoff, and residential uses. (D) Organic chemical contaminants, including synthetic and volatile organics, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff and septic systems. (E) Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Drinking water, including bottled water, may 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 Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

Who needs to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than is 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 about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline (800-426-4791).

Residual Disinfectants

Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in the excess of the MRDL could experience stomach discomfort.

Prepared By

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For more information, call The Village of Leesburg at (937) 780-3281.