

Village of Bolivar

2021 Consumer Confidence Report

We're very pleased to provide you with this year's Annual Water Quality Report (Consumer Confidence Report). In 1996, Congress passed amendments to the Safe Water Drinking Act that require drinking water providers to give their customers important information about their water, including where it comes from, what is in the water, and how our water quality compares with federal standards. This report satisfies that requirement, and we want to keep you informed about the water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water.

Where does my water come from?

The Village of Bolivar operates one water well located at Waterwork's Park. The Village of Bolivar has a current unconditioned license to operate a public water system.

Source water assessment and its availability

The Village of Bolivar has completed a source water protection plan. The Village of Bolivar's source of drinking water has a high susceptibility to contamination due to lack of protective layer of clay, shale or other relatively impermeable material overlying the aquifer, shallow depth to water (30-50 feet below ground surface), and the presence of potential contaminant sources in the protection area. Copies of the source water assessment report prepared for the Village of Bolivar are available by contacting the Village Administrator at 330-874-3717; ext. 2.

How can I get involved?

Public participation and comments are encouraged at regular Village of Bolivar Council meetings which are held the first Monday of each month at 7:00PM; Village Hall, 109 Canal Street NE, Bolivar, OH 44612. Please contact the Village Administrator at 330-874-3717; ext. 2 if you would like more information.

Water Quality Data Table

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all the drinking water contaminants detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. Additionally, a few naturally occurring minerals may improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report.

The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year. Or the system is

not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old.

In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided an *Important Drinking Water Definitions* table on the back of the last page of this report.

Contaminants (Units)	MCLG	MCL	Level Found	Range of Detections		Violation	Year Sample	Typical Source of Contaminants
Disinfectant and Disinfectant By-Products								
Total Chlorine (ppm)	MRDLG = 4	MRDL = 4	0.91	0.6 Low	1.29 High	No	2021	Water additive used to control microbes
Total Trihalomethanes (TTHM) (ppb)	N/A	80	10.2	5.81 Low	14.6 High	No	2021	By-product of drinking water disinfection

Contaminants (Units)	MCLG	MCL	Level Found	Range of Detections		Violation	Year Sample	Typical Source of Contaminants
Inorganic Contaminants								
Fluoride (ppm)	4	4	0.3	N/A		No	2019	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Gross Alpha pCi/L	0	15	0.522	N/A		No	2019	Erosion of natural deposits
Chromium PPB	100	100	7.96	N/A		No	2019	Discharge from steel and pulp mills, erosion of natural deposits
Selenium PPB	50	50	3.99	N/A		No	2019	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Barium (ppm)	2	2	0.148	N/A		No	2019	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Nitrate (ppm)	10	10	2.22	N/A		No	2021	Run off from fertilizer use, Leaching from septic tanks, sewage; Erosion of natural deposits

Lead and Copper								
Contaminants (units)	Action Level (AL)	MCLG	Individual Results over the AL	90% of test levels were less than		Violation	Year Sampled	Typical source of Contaminants
Lead (ppb)	15 ppb	0 ppb	0	0		No	2021	Corrosion of household plumbing systems; erosion of natural deposits
	0_ out of _10_ samples were found to have lead levels in excess of the lead action level of 15 ppb.							
Copper (ppm)	1.3 ppm	1.3 ppm	0	0.104		No	2021	Erosions of natural deposits; leaching from wood preservatives; corrosions of household plumbing systems
	0_ out of _10_ samples were found to have copper levels in excess of the copper action level of 1.3 ppm.							

In addition to the above, annual test results, the Bolivar Public Water System (PWS) test for other particulates weekly. In these weekly test results, the Bolivar PWS has consistently exceeded the secondary maximum contaminant levels for manganese (0.05 mg/L) and iron (0.3 mg/L). The Bolivar PWS has received monthly **Violation Notices** (under OAC 3745-82-02) from the Ohio EPA each month throughout 2021 for exceeding the secondary maximum contaminant levels for manganese and iron;

however, it should be noted that the Health Advisory Level (HAL) for manganese (1.0 mg/L for adults and 0.3 mg/L for infants) was not exceeded. The Village of Bolivar has signed an agreement with Tuscarawas County Municipal Sewer District (TCMSD) to purchase bulk water from their system and abandon the Village's contaminated wells. This cannot happen until TCMSD finalizes construction of a new water treatment plant that will adequately treat for iron and manganese. TCMSD has stated they anticipate the new water treatment plant (WTP) will be operational by March 2024.

Why are there contaminants in my drinking water?

The sources of drinking water may 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, as well as substances resulting from the presence of animals or human activity. Microbial contaminants, such as viruses and bacteria, 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 stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming. Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, can also come from gas stations, urban stormwater runoff, and septic systems; and 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 that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (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 EPA's Safe Drinking Water Hotline (800-426-4791) or visit their website: www.epa.gov/safewater.

Do I need to take special precautions?

Some people may be more vulnerable to contaminants 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 about drinking water from their health care providers. Appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Additional Information for Lead

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. Bolivar PWS is responsible for providing high quality drinking water by using corrosion inhibitors added to the water to coat the pipes and having only lead-free pipes installed to carry drinking water; however, we cannot control the variety of materials used in plumbing components of homes and businesses. 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. Also, use cold water and not hot water for drinking and 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 (800- 426-4791) or at <http://www.epa.gov/safewater/lead>.

For more information

You may contact our water operator, Chuck Williams by mail at PO Box 117, 109 Canal St NE Bolivar, OH 44612; by phone @ (330) 874-3717; ext. 2; or by email @ cdwilliams178@gmail.com or check the village website @ www.villageofbolivar.com.

Important Drinking Water Definitions

Term	Definition
ppm	parts per million, or milligrams per liter (mg/L)
ppb	parts per billion, or micrograms per liter (µg/L)
NA	Not applicable
ND	Not detected
NR	Monitoring not required but recommended.
pCi/L	A common measure of radioactivity
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.
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.
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.
Variances and Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	Maximum residual disinfection 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 contaminants.
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.
MNR	Monitored Not Regulated
MPL	State Assigned Maximum Permissible Level