

VILLAGE OF PANDORA PUBLIC WATER SYSTEM

CONSUMER CONFIDENCE REPORT



JUNE, 2024

**VILLAGE OF PANDORA
DRINKING WATER CONSUMER CONFIDENCE REPORT
FOR YEAR 2023**

The Village of Pandora has prepared the following report to provide information to you, the consumer, on the quality of our drinking water. Included within this report is general health information, water quality test results, how to participate in decisions concerning your drinking water and water system contacts.

Source Water Information

The Village of Pandora receives its drinking water from two wells located at the Village Park.

Susceptibility to contamination

The aquifer that supplies the water for the Village of Pandora has a moderate susceptibility to contamination, due to the moderate sensitivity of the aquifer in which the drinking water well is located and the existence of potential contaminant sources within the protection zone. This does not mean that the well field will become contaminated, only that conditions are such that the ground water could be impacted by potential contaminant sources. Future contamination may be avoided by implementing protective measures. More information is available by calling the Water Superintendent, Rick Morrison, at 419-384-7600.

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, in some cases, 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 water 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, urban storm water runoff, and residential uses; (D) organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water 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, USEPA prescribed 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 (1-800-426-4791).

Who needs 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 infection. 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 and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

About your drinking water

The EPA requires regular sampling to ensure drinking water safety. The Village of Pandora conducted sampling for bacteria, inorganic, and volatile organic during years 2022-2023. Samples were collected for a total of 36 different contaminants most of which were not detected in the Village of Pandora water supply. 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, are more than one year old.

Table of Detected Contaminants

Listed below is information on those contaminants that were found in the Village of Pandora's drinking water.

WATER QUALITY DATA TABLE

TABLE OF DETECTED CONTAMINANTS

Contaminants (Units)	MCLG	MCL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
Inorganic Contaminants							
Fluoride (ppm)	4	4	1.29 mg/l	N/A	NO	2022	Erosion of natural deposits; Discharge from fertilizer.
Barium (ppm)	2	2	0.0353 mg/l	N/A	NO	2022	Erosion of natural deposits
Nitrate (ppm)	10	10	0.21 mg/l	0.206 - 0.21	NO	2023	Erosion of natural deposits; Runoff from fertilizer.
Volatile Organic Contaminants							
Haloacetic Acids (ppb)	N/A	60	14.6 ug/l	0 – 21.2	NO	2023	By-product of Drinking Water Chlorination
Trihalomethanes (ppb)	N/A	80	38.8 ug/l	17.2 – 63.4	NO	2023	By-product of Drinking Water Chlorination
Residual Disinfectant	MRDLG	MRDL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
Total Chlorine (ppm)	4	4	2.00	1.42 – 2.31	NO	2022-2023	Water additive used to control microbes
Regulated Contaminants - Copper and Lead							
Contaminants (Units)	Action Level (AL)	Individual Results over the AL	90% of test levels were less than	Violation	Sample Year	Typical Source of Contaminants	
Copper-action level at consumer taps (ppm)	1.3 ppm	0	0.180 mg/l	NO	2021	Corrosion 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							
Lead-action level at consumer taps (ppb)	15 ppb	0	0.0 ug/l	NO	2021	Corrosion of household plumbing systems	
0 out of 10 samples were found to have lead levels in excess of the lead action level of 15 ppb							

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 Pandora 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>.

TABLE OF UNREGULATED CONTAMINANTS

In an effort to ensure the safest water possible, the State has required us to monitor some contaminants not required by Federal regulations. Of those contaminants only the ones listed below were found in your water.

Contaminants (Units)	MCLG	MCL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
Unregulated Contaminants							
Chloroform (ppb)	N/A	N/A	12.0	5.6 – 12.0	NO	2023	By-product of Drinking Water Chlorination
Bromoform (ppb)	N/A	N/A	2.2	1.1 - 2.2	NO	2023	By-product of Drinking Water Chlorination
Bromodichloromethane (ppb)	N/A	N/A	20.9	5.3 – 20.9	NO	2023	By-product of Drinking Water Chlorination
Dibromochloromethane (ppb)	N/A	N/A	17.6	5.2 – 17.6	NO	2023	By-product of Drinking Water Chlorination

License to Operate (LTO) Status Information

We had an unconditioned license in 2023 to operate our water system.

Public Participation Information: How do I participate in decisions concerning my drinking water?

Public participation and comment are encouraged at regular meetings of the Pandora Village Council which meets at 7:00 PM on the second and fourth Tuesday of each month. For more information on your drinking water contact Rick Morrison, 419-384-7600.

Definitions of some terms contained within this report

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 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.

Parts per Million (ppm) 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.

Parts per Billion (ppb) or Micrograms per Liter (ug/L) are units of measure for concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.

Maximum Residual Disinfectant Level Goal (MRDLG): 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 microbial contaminants.

Maximum Residual Disinfectant level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that additional of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level (MRDL): The highest residual disinfectant level allowed.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of residual disinfectant below which there is no known or expected risk to health.

The “<” symbol: A symbol which means less than. A result of <5 means that the lowest level that could be detected was 5 and the contaminant in that sample was not detected.