

DRINKING WATER CONSUMER CONFIDENCE REPORT



2023 DATA

Our source of water is provided through four wells, three on the west end of town and one on the east end of town. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Recently the Village of St. Paris along with the Ohio EPA completed a study of St. Paris's source of drinking water, to identify potential contaminant sources and provide guidance on protecting the drinking water source. According to this study, the aquifer (water-rich zone) that supplies water to St. Paris has a moderate susceptibility to contamination. This determination is based on the following: 1) presence of a moderately thick protective layer of clay/shale/other overlying the aquifer, 2) no evidence to suggest that ground water has been impacted by any significant levels of chemical contaminants from human activities, 3) presence of significant potential contaminant sources in the protection area.

This susceptibility means that under currently existing conditions, the likelihood of the aquifer becoming contaminated is moderate. This likelihood can be minimized by implementing appropriate protective measures. For more information about the source water assessment or what consumers can do to help protect the aquifer contact Ben Shuman at 937-663-4329

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.

The St. Paris Water Department 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.

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 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 Federal 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 St. Paris Water Dept. conducted sampling for copper, lead, chlorine, haloacetic acids, total trihalomethanes, arsenic, barium, cyanide, fluoride, Nitrate, radioactive contaminants, carbon tetrachloride, and ethylbenzene during 2023. Samples were collected for a total of 13 different contaminants many of which were not detected in the St. Paris 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.

Contaminant (units)	MCLG or MRDLG	MCL or MRDL	Level Found	Range of Detections	Violation?	Year Sampled	Typical Source of Contaminants
Radioactive Contaminants							
Gross alpha excluding radon and uranium	0	15	8.06pCi/l	8.06 - 8.06	N	2023	Erosion of natural deposits.
Inorganic Contaminants							
Arsenic	0	10	1 ppb	1 - 1	N	2023	Erosion of natural deposits: Runoff from orchards & glass and electronics production wastes.
Barium	2	2	0.14 ppm	0.14 - 0.14	N	2023	Discharge of drilling wastes & metal refineries; Erosion of natural deposits.
Cyanide	200	200	2 ppb	2 - 2	N	2023	Discharge from plastic, fertilizer, and steel/metal factories.
Fluoride	4	4.0	1.78 ppm	1.78 - 1.78	N	2023	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer & aluminum factories.
Nitrate	10	10	0.162 ppm	0.16 - 0.162	N	2023	Runoff from fertilizer use; Leaching from septic tank, sewerage; Erosion of natural deposits.
Volatile Organic Contaminants							
Carbon Tetrachloride	0	5	0.3 ppb	0.3 - 0.3	N	2023	Discharge from chemical plants and other industrial activities.
Ethylbenzene	700	700	0.04 ppb	0.04 - 0.04	N	2023	Discharge from petroleum refineries.
Residual Disinfectants and Disinfection Byproducts							
Chlorine	4	4	0.8 ppm	0.7 - 0.8	N	2023	Water additive used to control microbes.
Halocetic Acids (HAA5)	No Goal for the total	60	5 ppb	3.09 - 5.5	N	2023	By-Product of drinking water disinfection.
Total Triholo-methanes (TTHM)	No Goal for the total	80	31 ppb	21 - 41.2	N	2023	By-Product of drinking water disinfection.
Lead and Copper							
Contaminant (units)	Action Level (AL)	MCLG	Individual Results over the AL	90% of the test levels were less than	Violation?	Year Sampled	Typical Source of Contaminants
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	N/A	.422	No	2022	Corrosion of household plumbing systems; Erosion of natural deposits.

Lead Educational Information

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 St. Paris Water Dept. 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>.

Public Participation and Contact Information

Public participation and comments are encouraged at regular Council meetings. The council meets on the first and third Monday of each month at the Municipal Building, 135 W. Main St. @ 7:00 PM.

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 contaminant allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
 - **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.
 - **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.
 - **Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
 - **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 (µg/L)** are units of measure for concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.
 - **NA:** Not Applicable **ND:** Not Detected
- License to Operate Status:** In 2023 we had an unconditioned license to operate our water system.