

ABOUT YOUR DRINKING WATER

The Ohio EPA requires regular sampling to ensure drinking water safety. The Bryan Public Water System conducted sampling for bacteria, disinfection by-products, nitrates, synthetic organics and lead and copper in 2018. The following chart contains information on contaminants that were found in the City of Bryan’s drinking water. The Ohio EPA requires us to monitor for some contaminants less than once per year because the concentrations do not change frequently. Some of our data, though accurate, is more than one year old.

Contaminants (Units)	M CLG	M CL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
Inorganic Contaminants							
Barium (ppm)	2	2	0.40	NA	No	2016	Erosion of natural deposits; Discharge from metal refineries; Discharge of drilling wastes
Fluoride (ppm)	4	4	0.97	NA	No	2016	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Residual Disinfectants							
Total Chlorine (ppm)	MRDL =4	MRDLG=4	0.8	.7 - 1.0	No	2018	Water additive used to control microbes
Disinfectant/Disinfection Byproducts							
Total Trihalomethanes (ppb)	NA	80	39.5	27.8 - 39.5	No	2018	By-product of drinking water chlorination
Total Haloacetic Acids (ppb)	NA	60	9.0	8.9 - 9.0	No	2018	By-product of drinking water chlorination
Contaminants (Units)	Action Level (AL)	Individual Results over AL	90% of Test Levels were less than	Violation	Sample Year	Typical Source of Cantaminants	
Copper (ppm)	1.3	N/A	0.364	No	2018	Corrosion of household plumbing systems; Erosion of natural deposits	
	Zero of twenty samples were found to have copper in excess of the Action Level of 1.3 ppm.						
Lead (ppb)	15	N/A	5	No	2018	Corrosion of household plumbing systems; Erosion of natural deposits	
	Zero of twenty samples were found to have lead in excess of the Action Level of 15 ppb.						

MONITORING & REPORTING VIOLATIONS & ENFORCEMENT ACTIONS

During the month of May, 2018, the Bryan Public Water System failed to monitor for total coliform bacteria. Four out of the required ten monthly samples were inadvertently collected one day early. Steps have been taken to assure this doesn’t happen again.

Bryan Municipal Utilities
841 E Edgerton Street
Bryan, Ohio 43506



CITY OF BRYAN DRINKING WATER CONSUMER CONFIDENCE REPORT 2018



BACKFLOW EDUCATION

What is backflow?

It is the flow through a cross-connection from a possible source of contamination back into the drinking water system. It occurs when a crossconnection is created and a pressure reversal, either as backsiphonage or backpressure, occurs in the water supply piping.

What is a cross Connection?

A physical connection created between a possible source of contamination and the public water system piping.

What can I do?

- Be aware of and eliminate cross-connections.
- Maintain air gaps.
- Use hose bib vacuum breakers.
- Do not create a connection between an auxiliary water system and the public water supply plumbing.



More Information

Questions concerning backflow prevention and cross-connection control or to report a problem may be directed to the Bryan Water Department at 419-633-6100. Visit us at www.cityofbryan.net/backflow-prevention





INTRODUCTION

This report is designed to provide information to you, the consumer, on the quality of the drinking water we supply. We hope it helps you understand the efforts we make to continually provide a fresh, safe and abundant supply of water. The quality of your drinking water is monitored every day by Ohio Environmental Protection Agency (Ohio EPA) certified operators. These operators are dedicated to serving you with an ample supply of safe 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 City of Bryan receives its drinking water from seven wells that pump water from the aquifer. The aquifer that supplies drinking water to the City of Bryan has a moderate susceptibility to contamination, due to sensitivity of the aquifer in which the drinking water wells are located and the existence of several potential contaminant sources within the protection zone. This does not mean that the wellfields will become contaminated, only that conditions are such that the ground water could be impacted by potential contaminant sources. Contamination may be avoided by implementing protective measures. To receive a full copy of the source water assessment report contact the Bryan Water Department at 419-633-6100.

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 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 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 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. Immunocompromised 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).

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 City of Bryan 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 1-800-426-4791 or at <http://www.epa.gov/safewater/lead>.

Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home’s plumbing. If you are concerned about elevated lead levels in your home’s water, you may wish to have your water tested and flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking Water Hotline (1-800-426-4791).

HOW DO I PARTICIPATE IN DECISIONS

Public participation and comments are encouraged at regular meetings of the Board of Public Affairs on the first and third Tuesdays of each month. Board meetings are held in the boardroom at 841 East Edgerton Street and begin at 5:00 P.M. For more information on your drinking water contact Water Superintendent, Norm Echler, at 419-633-6100 or visit our website at www.cityofbryan.net.

LICENSE TO OPERATE STATUS INFORMATION

In 2018 we had an unconditioned license to operate our water system.

DEFINITIONS

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 that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology.

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 (ug/L): Are units of measure for concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.

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.

Picocuries per Liter (pCi/L): A common measure of radioactivity.

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.

