

**BLOOMFIELD WATER CO.**  
**DRINKING WATER CONSUMER CONFIDENCE REPORT**  
**FOR 2016**

The Bloomfield Water Company 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, any detected water quality contaminants and your water system contact.

We're very pleased to provide you with this 2016 Annual Quality Water Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide you a safe and dependable supply of drinking water. Your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected. The EPA has determined that your water IS SAFE at these levels.

Bloomfield Water Company is owned by Lake Buckhorn Property Owners and is managed and operated by Lake Buckhorn staff. Four elected trustees & one Lake Buckhorn trustee meet the second Tuesday of each month at 6:30 P.M. in the Lakeview Hall and participate.

**The upgrade to the iron filters were completed.**

**Present trustee** for water system are Larry Sheets-President, Jim Schafer-Vice President, Allen Artman-Secretary, and Judge Shuler-Treasurer.

**The sources of drinking water (both tap water and bottle 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 Bloomfield Water Co. receives its drinking water from 2 wells located South of the Lake Buckhorn dam. The water is pumped north to the water plant where it first goes into a detention tank located outside the water plant for sedimentation and then goes into the water plant where there are 2 green sand filters for the removal of iron and manganese. Following purification the water is then chlorinated and finally is pumped to the 150, 000 gallons storage tank located on Arbon Drive. The water company still has 3 existing wells for backup if needed. We are presently providing water services for 343 homes. The new green sand filters went on-line on Feb 11 2014.

Contaminants that may be present in source water before we treat it include.

\*Microbial contaminants, such as viruses and bacteria. Which 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 storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining of farming.

\*Pesticides and Herbicides, which may come from variety of sources such as agriculture and residential use.

\*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

\*Radioactive contaminants, which are naturally occurring or be the result of oil & gas production and mining activities

\*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 pose 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)

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised person 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 guideline 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)

The EPA required regular sampling to ensure drinking water safety. The Bloomfield Water Company conducted sampling for bacteria and nitrates. Most contaminants were not detected in the Bloomfield Water Company water supply. The Ohio EPA requires us to monitor for some contaminants less than once per year therefore some of our sample results could be more than one year old. At least one total coliform bacteria sample is taken every month as required by (OAC) rule 3745-81-21. In conjunction with bacteria sample collection, a minimum free chlorine residual of .2 mg./L is checked daily out the distribution lines. The water must also be tested for lead and copper during specified monitoring periods. The water results indicate that the lead and copper action levels were not exceeded during these monitoring periods and the Bloomfield Water Company is eligible to further reduce the frequency to once every 3 years. You will find the minor contaminants that were found on page 3.

For more information concerning your drinking water, contact Brian Mellor operator & manager at 330-473-0566 or Kevin Dean assistant operator at 419-994-1622.

The Ohio EPA recently completed a study of Bloomfield Water Company source of drinking water, to identify potential contaminant source and provide guidance on protecting the drinking water source. According to this study, the aquifer that supplies water to Bloomfield Water Company's north well field has a low susceptibility to contamination. This determination is based on the following:

- >presence of a thick protective layer of clay and shale overlying the aquifer,
- >significant depth over 139 feet below ground surface of the aquifer,
- >no evidence to suggest that ground water has been impacted by any significant levels of chemical contaminants from human activities,
- >no apparent significant potential contaminant sources in the protection area.

Also according to this study, the aquifer that supplies water to Bloomfield Water Company's south well field has a moderate susceptibility to contamination. This determination is based on the following:

- >presence of a moderately thick protective layer of clay overlying the aquifer,
- >no evidence to suggest that ground water has been impacted by any significant levels of chemical contaminants from human activities,
- >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 relatively high for the south well field, and low for the north well field. Implementing appropriate protective measures can minimize this likelihood. More information about the source water assessment or what consumers can do to help protect the aquifer is available by calling Bill Clark at 674-5967.

September 29, 2008 Bloomfield was sent a certification from the EPA for efforts taken to protect its source of drinking 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. Bloomfield Water Co. 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>.

**We have a current, unconditioned license to operate our water system.”**

**How do I participate in decisions concerning my drinking water?**

Public participation and comment are encouraged at regular meetings of Bloomfield Water Co. which meets the 2<sup>nd</sup> Tuesday of the month at 6.30 pm.

For more information on your drinking water contact Kevin Dean 419 994 1622 or Brain Mellor 330-473-0566

OH3800812		BLOOMFIELD WATER COMPANY								
Coliform Bacteria	Collection Date	# of Positive Total Coliform Samples	# of Positive Fecal/E. Coli Samples	MCLG	MCL	Fecal/E. Coli MCL	Violation	Likely Source of Contamination		
Total Coliform	1/month	0	0	0	5.0% of monthly samples are positive		N	Naturally present in the environment.		
Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination		
Chlorine	all	1.97	.25 – 2.2	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.		
Haloacetic Acids (HAA5)*	9/22/16	6.0	6.0	No goal for the total	60	ppb	N	By-product of drinking water disinfection.		
Total Trihalomethanes (TTHM)	9/22/16	2.4	0.5-2.4	No goal for the total	80	ppb	N	By-product of drinking water disinfection.		
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination		

	Fluoride		0.234	.234 - .234	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
	Nitrate [measured as Nitrogen]	4/28/16	0.51	0.51	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
	Lead and Copper	Collection Date	90th Percentile	# of Samples Over AL	MCLG	Action Level (AL)	Units	Violation	Likely Source of Contamination
	Copper		0.106	0	1.3	1.3	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
	Lead		3	0	0	15	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

Maximum Contaminant Level Goal or 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 or 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.

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

ppm: milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

ppb: micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.