

Village of Fayette Drinking Water Consumer Confidence Report For 2015



The Village of Fayette
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Drinking Water
Consumer Confidence Report
Produced for Residents and Water Customers

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Village of Fayette

2015 Drinking Water Consumer Confidence Report

Introduction

The Village of Fayette has prepared the following report to provide information to you, the consumer, on the quality of our drinking water. The purpose of the *Consumer Confidence Report* is to share data that meets the standards established by regulatory agencies. The language in this document is a standard text endorsed by the regulatory agency. 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

This past year, our drinking water has met all Ohio EPA standards. We take pride in this accomplishment. The Mayor, Council, Public Works Committee, and staff remain dedicated and will continue efforts to meet this goal. Feel free to contact the Village Staff, Council Members, or the appropriate agencies if you have any questions about water quality or process.

Source Water Information.

The Fayette Water Department receives its drinking water from the Michindoh Aquifer located in the tri-state area of Northwest Ohio, Southern Michigan, and Northeast Indiana. The well field consists of two wells located on the north side of the village. The sand and gravel aquifer is a water rich zone covered by more than twenty feet of low-permeability material that provides significant protection from surface contamination and is the source of abundant high quality water.

The state performed an assessment of our source water in 2009. It was determined that the aquifer supplying drinking water to the Village of Fayette Public Water System has a moderate susceptibility to contamination. This conclusion is based on:

- the presence of a moderately thick protective layer of clay overlying the aquifer,
- the significant depth of the aquifer,
- no evidence to suggest that ground water has been impacted by any significant levels of chemical contaminants from human activities,
- the presence of significant potential contaminant sources in the protection area.

Please contact Steve Blue at 419-237-2116 if you would like more information about the assessment.

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 land surface 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 plant, septic systems, agricultural livestock operation, 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 byproducts 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, EPA 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 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).

About your drinking water.

The EPA requires regular sampling to ensure drinking water safety. The Fayette Water Department conducted sampling for bacteria, volatile organic, synthetic organic, disinfection byproducts, lead and copper, and nitrate contaminant sampling during 2015. Samples were collected for a total of sixty eight different contaminants in the village of Fayette 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.

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. Fayette Village Public Water System 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>.

License to Operate

In 2015 we had an unconditional license to operate our water system.

Listed below is information on those regulated contaminants that were found in the Village of Fayette drinking water.

Contaminants (Units)	MCLG	MCL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
Microbiological Contaminants							
None Detected							
Inorganic Contaminants							
Barium, ppm	2	2	.15	n/a	no	2014	Discharge from drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride, ppm	4	4	1.10	n/a	no	2014	Corrosion of household plumbing systems; Erosion of natural deposits
Copper, ppm	1.3	AL = 1.3	0.157	n/a	no	2015	Corrosion of household plumbing systems; Erosion of natural deposits
Zero out of 10 samples were found to have copper levels in excess of the copper action level of 1.3 ppm							
Lead, ppb	0	AL = 15	0	n/a	no	2015	Corrosion of household plumbing systems; Erosion of natural deposits
Zero out of 10 samples were found to have lead levels in excess of the lead action level of 15 ppb							
Disinfection Byproducts							
Total Haloacetic Acids (HAA5), ppb	0	60	3.5 – 421 S. Fayette 5.7 – Plant Sink	n/a	no	2015	By product of drinking water chlorination
Total Trihalomethanes (TTHMs), ppb	0	80	36.2 - 421 S. Fayette 27.0 – Plant Sink	n/a	no	2015	By product of drinking water chlorination
Residual Disinfectants							
Total chlorine, ppm	MRDL = 4	MRDLG = 4	.53	.39-.63	no	2015	Water additive used to control microbes

Contaminants (Units)	MCLG	MCL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
Volatile Organic Contaminants							
None Detected							
Synthetic Organic Contaminants Including Pesticides and Herbicides							
None Detected							
Radioactive Contaminants							
None Detected							

Unregulated Contaminants*			
Contaminant (Units)	Level Found – Plant Sink	Level Found – 421 S. Fayette St.	Sample Year
Bromodichloromethane, ppb	9.0	11.7	2015
Bromoform, ppb	2.9	4.2	2015
Chloroform, ppb	7.2	8.2	2015
Dibromochloromethane, ppb	7.9	12.1	2015
Dichloroacetic Acid, ppb	2.4	1.7	2015
Trichloroacetic Acid, ppb	1.5	1.8	2015
Dibromoacetic Acid, ppb	1.8	Not Detected	2015

*Unregulated contaminants monitoring helps EPA to determine where certain contaminants occur and whether it needs to regulate those contaminants.

How do I participate in decisions concerning my drinking water?

Public participation and comment are encouraged at regular meetings of the Fayette Village Council which meets on the second and fourth Wednesday of the month at 6 p.m. For more information on your drinking water contact the Village Utilities Superintendent, Jeff Merillat at (419) 237 - 2116.

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

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

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.

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

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