

## JACKSON CENTER 2019 DRINKING WATER CONSUMER CONFIDENCE REPORT

The Village of Jackson Center 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 Jackson Center receives its drinking water from the Jackson Center well field located at the south end of the village. The village has four existing wells. These wells vary in depth from 68 feet to 186 feet. The older well is 47 years old and the newer is 7 years old. Our system has a current, unconditioned license to operate.

### SUSCEPTIBILITY ANALYSIS

Jackson Center's source of drinking water has a moderate susceptibility to contamination due to: 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; and, presence of significant potential contaminant sources in the protection area. The direct link to the source water assessment is <http://www.wapp.epa.ohio.gov/gis/swpa/OH7500512.pdf>

### 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 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 Village of Jackson Center conducted sampling for bacteria; inorganic; radiological; synthetic organic; volatile organic during 2019. Samples were collected for a total of 20 different contaminants most of which were not detected in the Village of Jackson Center 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. The Village of Jackson Center 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>.

### HOW DO I PARTICIPATE IN DECISIONS CONCERNING MY DRINKING WATER?

Public participation and comments are encouraged at regular Village council meetings which are held the 2<sup>nd</sup> and 4<sup>th</sup> Mondays of each month. For more information on your drinking water contact the Village office at (937)596-6314.

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Contaminants	MCLG	MCL	Level Found	Range of Detection	Violation	Sample Year	Typical Source of Contaminates
<b>Residual Disinfectants</b>							
Total Chlorine (ppm)	MRDL=4	MRDLG=4	2.2	.2-2.2	No	2019	Water additive used to control microbes.
<b>Disinfection Byproducts</b>							
Total Trihalomethanes TTHMs (ppb)	No goal for this total	80	52.7	50.8-52.7	No	2019	By-product of drinking water chlorination.
Haloacetic Acids HAA5 (ppb)	No goal for this total	60	26.8	25.0-26.8	No	2019	By-product of drinking water chlorination.
<b>Inorganic Contaminants</b>							
Barium (ppm)	2	2	0.492	N/A	No	2019	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride (ppm)	4	4	0.80	N/A	No	2019	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
<b>Lead and Copper</b>		<b>Action Level</b>	<b>Individual Results over the AL</b>	<b>90% of test levels were less than</b>	<b>Violation</b>	<b>Sample Year</b>	<b>Typical Source of Contaminants</b>
Lead (ppb)	AL= 15	0	0	N/A	No	2019	Corrosion of household plumbing systems.
Zero out of 10 samples were found to have lead levels in excess of the lead action level of 15 ppb.							
Copper (ppm)	AL=1.3	0	0.919	N/A	No	2019	Corrosion of household plumbing systems.
Zero out of 10 samples were found to have copper levels in excess of the copper action level of 1.3 ppm							

**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 (µg/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 addition of a disinfectant is necessary for control of microbial contaminants.

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