

VILLAGE OF PAW PAW

WATER QUALITY REPORT-2015

REVISED 8-16-2016 BH

The Village of Paw Paw strives to produce the best quality drinking water possible. The purpose of this report is to provide you with information about your drinking water. The report explains to you where your water comes from and the treatment it receives before it reaches your tap. The report also lists all of the contaminants detected in your water and an explanation of all violations in the past year.

The bottom line is the Village of Paw Paw's water supply is safe. This report is emailed to area media outlets such as the daily and weekly newspapers, radio stations and television stations servicing the area. It is also mailed to the County Health Department. Please take time to review the report. Copies are available at Village Hall. The report is also posted on the Village's Website, www.pawpaw.net (click on the left hand menu item titled Public Services and then click on the item titled "Consumer Confidence Report 2015"). This report is not being mailed to all water customers.

Your drinking water comes from 3 wells located on the west side of the Village. Well #4 is located on Miller Street and is on stand-by status. It is 110' deep and pumps 750 gallons per minute. Well #6 and #8 operate daily and are located on Johnson Road. Well #6 is 178' deep and Well #8 is 160' deep. Both Wells pump about 1,500 gallons per minute. The water is pumped from the ground by the wells, then chlorine and phosphate are added for disinfection and corrosion control, respectively. The water then goes to a 500,000 gallon water tower located across from the Department of Public Service Building. We are making efforts to protect our well water supply by completing a Wellhead Protection Program which was started in 1996.

The State performed an assessment of our source water in 2003 and again in 2014 to determine the susceptibility or the relative potential of contamination. The susceptibility rating is on a six-tiered scale from "very-low" to "high" based on geologic sensitivity, water chemistry and contaminant sources. The Susceptibility of Wells #6 and #8 is "Moderately Low". The susceptibility of Well #4 is also "Moderately High". A copy of the full report can be obtained by contacting John Small, Department of Public Services Director, 110 Harry L. Bush Blvd, Paw Paw, Michigan, 49079.

The sources of drinking water, both tap water and bottled water, including rivers, lakes, streams, ponds, reservoirs, springs, and wells may contain contaminants. 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.

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 the water poses a health risk. More information about the contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general populations. 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 infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of the infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

The Paw Paw water supply comes from groundwater. As water travels through the ground, it dissolves naturally occurring minerals and can pick up substances from the presence of animals or from human activity. These include:

- **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, livestock, and wildlife.
- **Inorganic contaminants**, such as salts and metals, which can be natural or may result from storm runoff, wastewater discharges, oil and gas production and farming
- **Organic chemicals**, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also originate from gas stations, storm runoff and septic systems.
- **Radioactive substances**, which can be naturally occurring or be the result of oil and gas production and mining activities.
- **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban runoff, and residential uses.

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 the service lines and home plumbing. The Village of Paw Paw 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 the 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 or at <http://www.epa.gov/safewater/lead>.

In order to ensure that tap water is safe, the U.S. Environmental Protection Agency (EPA) prescribes regulations which limit the amount of certain contaminants in the water provided by public water systems.

If you would like more information about your water, or a copy of this Consumer Confidence Report, please contact the Village of Paw Paw Department of Public Service Director John Small at 657-3169, located at 110 Harry L. Bush Blvd. Individual copies of this report are not being mailed without request. Also, you may contact the Village of Paw Paw Council, which meets the second and fourth Monday of every month at 7:30 p.m. at Village Hall, 111 West Michigan Avenue.

The table below lists all the drinking water contaminants that were detected. The detected concentration can be either below or above the state/federal safe drinking water standard (also known as the Maximum Contaminant Level). If the detected concentration is above the safe drinking water standard a violation has occurred and a “**YES**” in bold will be indicated in the violation column. EPA requires water suppliers to report the most recent sampling results within a five-year period from 2011 to 2015. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year.

WATER QUALITY DATA

Terms and Abbreviations used below:

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCL are set as close to the MCLGs as feasible using the best available treatment technology.

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.

N/A: not applicable

ND: not detectable at testing limit

ppb: parts per billion per liter

ppm: parts per million per liter

pCi/l: picocuries per liter (a measure of radiation)

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

Regulated Contaminants

Inorganic Contaminants	MCL	MCLG	Village of Paw Paw Water	Range of Detections	Sample Date	Violation	Typical Source of Contaminant
Arsenic(ppb)	10*	0	5.0	3.0 – 5.0	3/4/2015 6/9/2015 9/9/2015 12/15/2015	No	Erosion of natural deposits
Barium (ppm)	2	2	0.33	0.15 -0.30	3/4/2015 6/9/2015 9/9/2015 12/15/2015	No	Erosion of natural deposits
Fluoride (ppm)	4	4	.22	.09-.22	6/23/2015	No	Erosion of natural deposits

Radionuclides

Combined Radium-226 & 228(pCi/l)	5	0	1.45+/-0.65	N/A	7/15/2014	No	Erosion of natural deposits
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Distribution Monitoring

	MCL	MCLG	Village of Paw Paw Water	Range of Detections	Sample Date	Violation	Typical Source of Contaminant
Total Trihalomethanes (ppb)	80	NA	< 2.0 ug/L	NA	7/9/2015	No	Byproduct of water Chlorination
Lead and Copper	AL	MCLG	Village of Paw Paw Water**	No. of sites exceeding AL			
Copper (ppm)	1.3	1.3	0.111	0	7/9/2013	No	Corrosion of household plumbing Systems
Lead (ppb)	15	0	0	0	7/9/2013	No	Corrosion of household plumbing Systems

Special Monitoring

Sodium(mg/L)	N/A	N/A	17.8	13.8-17.8	6/23/2015		
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1. The Village of Paw Paw's Drinking Water System was analyzed for at least 80 other contaminants; all analyses showed no detection.

* These arsenic values are effective January 23,2006. Until then the MCL is 50 PPB and there is no MCLG.

* Lead/copper samples were collected from twenty one sampling sites and none exceeded the lead/copper action level.

**90 percent of the samples do not exceed this level.