



CASEVILLE WATER TREATMENT PLANT

6685 CLAY ST.

CASEVILLE, MI 48725

989-856-4407

VOLUME 22, ISSUE 1

WATER SUPPLY SERIAL #5320

FEBRUARY 21, 2022

This report covers the drinking water quality for the Village of Pigeon water supply, for the calendar year of 2021. Included are details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) and State standards. Caseville Water Treatment Plant has a buried intake located in Saginaw Bay,

The State performed an assessment of our source water in 2003. The source water area for the Caseville intake includes numerous listed potential contaminant sources in the Pigeon River watershed. Based on this the intake has a high degree of susceptibility to potential contaminant sources. The final assessment report is available for review at the Caseville City Hall.

Contaminants and their presence in water: 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hot Line (1-800-426-4791).

Vulnerability of sub-populations: 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 systems 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. The 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 (800-426-4791).

Sources of Drinking Water: The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. Our Water Treatment Plant treats surface water that comes from Saginaw Bay. 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 your water include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural live- stock 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 or farming.

Pesticides and herbicides may come from a variety of sources such as agriculture and residential uses.

Radioactive contaminants are naturally occurring.

Organic chemical contaminants, including synthetic and volatile organic chemicals which are by-products of industrial process and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

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. Village of Pigeon 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 or at <http://www.epa.gov/safewater/lead>.

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. Food and Drug Administration regulations establish limits for contaminants in bottled water which provide the same protection for public health. Is our water system meeting other rules that govern our operations? The State and EPA require us to test our water on a regular basis to ensure its safety. We passed all the reporting and monitoring requirements for 2021.

Customers with questions or concerns about your water, or the contents of this report, contact Steven Corrion, Village

Superintendent/Clerk at 989-453-2733. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled Village Council meetings. The Village of Pigeon Council meetings are held the third Monday of each month at 7:00 p.m. at the Village Hall, (989)453-2733.

The table below lists all the drinking water contaminants that we detected during the 2021 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data present in this table is done January 1 through December 31, 2021. The State allows 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. All of the data is representative of the water quality, but some data is more than one year old.

Terms and abbreviations used in chart below:

- **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 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 (AL):** The concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- **ppb: Parts per Billion or Micrograms per Liter:** One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.
- **ppm: Parts per Million or Milligrams per Liter:** One part per million corresponds to one minute in two years or a single penny in \$10,000.
- **N/A: Not Applicable**
- **Treatment Technique (TT):** A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.
- **pCi/L: picocuries per liter:** Strength of radiation emitted.

Running Annual Average Distribution Chlorine (RAA)

Highest RAA= 0.85
 ppm Range Low=
 0.49 ppm
 Range High= 1.29 ppm

CONTAMINANT	MCL	MCLG	OUR WATER	RANGE OF DETECTION	VIOLATION	TYPICAL SOURCE OF CONTAMNANT
TURBIDITY *	.30 NTU	.30 NTU	.06 NTU	.02 to .06 NTU	N	Soil run off. Daily Testing
FLUORIDE 4/27/2021	4 ppm	4 ppm	.10 ppm	N/A	N	Erosion of natural deposits; water additives which promotes strong teeth.
LEAD 6/15/18	AL=15 ppb	N/A	1 ppb	0 to 36 ppb **	N	Lead service lines, corrosion of household plumbing including fittings and fixtures. Erosion of natural deposits.
COPPER 6/15/18	AL= 1300 ppb	N/A	30 ppb	0 to 30 ppb ***	N	Corrosion of household plumbing systems.
TOTAL TRIHALOMETHANE	56 ppb	0 ppb	56 ppb	27 to 70 ppb	N	By-product of drinking water chlorination. 2021 Collections 2/2, 5/24, 8/13, 11/17
TOTAL (5 TOTAL) HALOACETIC ACIDS	33 ppb	0 ppb	33 ppb	14 to 43 ppb	N	By-product of drinking water chlorination. 2021 Collections 2/2, 5/24, 8/13, 11/17
BARIUM	2000 ppb	0 ppb	20 ppb	N/A	N	Erosion of natural deposits. 4/27/2021
SELENIUM	50 ppb	0 ppb	10 ppb	N/A	N	Erosion of natural deposits 4/27/2021
ARSENIC	10 ppb	0 ppb	ND	N/A	N	Erosion of natural deposits. 4/27/2021
NITRATE	N/A	N/A		N/A	N	Erosion of natural deposits 4/27/2021
RADIOLOGICAL						
Gross Alpha	15 pCi / L	0 pCi / L	ND	N/A	N	Erosion of natural deposits. 8/25/2014

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Monitoring Requirements Not Met for the Village of Pigeon

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During October 1 to December 31, 2021, we did not complete all monitoring for Total Trihalomethanes and Haloacetic acids and therefore cannot be sure of the quality of our drinking water during that time.

What should I do? There is nothing you need to do at this time. This is not an emergency. You do not need to boil water or use an alternative source of water at this time.

The table below lists the contaminant(s) we did not properly test for during this time, how often we are supposed to sample for the contaminants and how many samples we are supposed to take, how many samples we took, when samples should have been taken, and the date we will collect follow-up samples.

Contaminant	Required sampling frequency	Number of samples taken	When all samples should have been taken	Date additional samples will be taken
Total Trihalomethanes	1 @ 3 months	0	November 2021	February 2022
Haloacetic acids	1 @ 3 months	0	November 2021	February 2022

What happened? What is being done? We monitor our distribution system every 3 months for Trihalomethanes and Haloacetic acids. We did take samples for TTHM and HAA5 in November 2021, but at incorrect locations and the TTHM sample did not meet pH requirements. Sampling can only take place during specific time periods and at specific locations. We have taken steps to be sure to monitor for Trihalomethanes and Haloacetic acids, as required.

For more information, please contact Mr. Steve Corrión, 989-453-2733 or 29 South Main Street, Pigeon, MI 48755.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

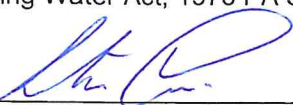
This notice is being sent to you by the Village of Pigeon.

CERTIFICATION:

WSSN: 05320

I certify that this water supply has fully complied with the public notification regulations in the Michigan Safe Drinking Water Act, 1976 PA 399, as amended, and the administrative rules.

Signature: _____



Title: _____

Clerk

Date Distributed: _____

6/3/2022