

2019 WATER QUALITY REPORT FOR LA PORTE CITY UTILITIES

This report contains important information regarding the water quality in our water system. The source of our water is groundwater. Our water quality testing shows the following results:

CONTAMINANT	MCL - (MCLG)	Compliance		Date	Violation	Source
		Type	Value & (Range)			
Total Trihalomethanes (ppb) [TTHM]	80 (N/A)	LRAA	7.00 (7 - 7)	09/30/2019	No	By-products of drinking water chlorination
Copper (ppm)	AL=1.3 (1.3)	90th	0.23 (ND - 0.71)	2019	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Lead (ppb)	AL=15 (0)	90th	0.00 (ND - 1)	2019	No	Corrosion of household plumbing systems; erosion of natural deposits
950 - DISTRIBUTION SYSTEM						
Chlorine (ppm)	MRDL=4.0 (MRDLG=4.0)	RAA	2.1 (1.09 - 3.3)	03/31/2019	No	Water additive used to control microbes
02 - WELL HOUSE #4 TREATED SINK TAP, WELL #4						
Gross Alpha, inc (pCi/L)	15 (0)	SGL	7.4	04/18/2017	No	Erosion of natural deposits
Combined Radium (pCi/L)	5 (0)	SGL	3.6	04/18/2017	No	Erosion of natural deposits
Sodium (ppm)	N/A (N/A)	SGL	140	08/05/2019	No	Erosion of natural deposits; Added to water during treatment process
04 - WELL HOUSE #4 TREATED SINK TAP, WELL #5						
Gross Alpha, inc (pCi/L)	15 (0)	SGL	6.2	01/26/2016	No	Erosion of natural deposits
Combined Radium (pCi/L)	5 (0)	SGL	2.3	01/03/2019	No	Erosion of natural deposits
Sodium (ppm)	N/A (N/A)	SGL	180	01/28/2019	No	Erosion of natural deposits; Added to water during treatment process

Note: Contaminants with dates indicate results from the most recent testing done in accordance with regulations.

DEFINITIONS

- 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.
- 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.
- ppb -- parts per billion.
- ppm -- parts per million.
- pCi/L – picocuries per liter
- N/A – Not applicable
- ND -- Not detected
- RAA – Running Annual Average
- Treatment Technique (TT) – A required process intended to reduce the level of a contaminant in drinking water.
- Action Level (AL) – The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a 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.
- SGL – Single Sample Result
- RTCR – Revised Total Coliform Rule
- NTU – Nephelometric Turbidity Units

GENERAL INFORMATION

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 posed a health risk. More information about contaminants or potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

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 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 infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

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. LA PORTE CITY UTILITIES 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>.

OTHER VIOLATIONS

In June 2019 we failed to monitor for Lead and Copper. Adverse health effects, if any, are not known. Monitoring procedures have been corrected to avoid future violations.

SOURCE WATER ASSESSMENT INFORMATION

This water supply obtains its water from the sandstone and dolomite of the Cambrian-Ordovician aquifer. The Cambrian-Ordovician aquifer was determined to have low susceptibility to contamination because the characteristics of the aquifer and overlying materials provide natural protection from contaminants at the land surface. The Cambrian-Ordovician wells will have low susceptibility to surface contaminants such as leaking underground storage tanks, contaminant spills, and excess fertilizer application. A detailed evaluation of your source water was completed by the Iowa Department of Natural Resources, and is available from the Water Operator at 319-342-3139.

CONTACT INFORMATION

For questions regarding this information or how you can get involved in decisions regarding the water system, please contact LA PORTE CITY UTILITIES at 319-342-3139.

Date: 03/19/20

PUBLIC NOTIFICATION

MONITORING VIOLATION OF THE WATER TESTING SCHEDULE

Our water system violated a drinking water standard over the past year. Even though these were not emergencies, as our customers, you have a right to know what happened and what we did to correct these situations.

We, the La Porte City Utilities Public Water Supply of La Porte City 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 the months between January 1st to June 30th 2019 we monitored and tested the required 20 Lead and Copper tests during the six-month window. Unfortunately, 3 of the 20 samples were lost in the mail by the USPS. The DNR requires La Porte City Utilities to state that we cannot be sure of the quality of our drinking water during the required six-month window. 2 of the 3 samples did turn up at the State Hygienic Lab at a later date and were sampled and were within the sample requirements along with the other 17 of 20 samples. The final 20th sample never showed. Unfortunately, this put us past the required sample period.

What should I do?

There is nothing you need to do at this time.

What Happened?

La Porte City Utilities monitored and tested the required 20 samples during the given period. The samples were then mailed through the USPS and 3 of the 20 samples were lost in the mail which resulted in putting us past the required testing period. The 19 samples that were tested were within the Action Level and the Maximum Contaminant Level Goal. This test requires the home owners we selected to fill the test bottle out of the first water draw in the morning. The test is more of a representative of the home owner's service lines than a test of our water main system. Again, all the tests were under the Action Level and the Maximum Contaminant Level Goal.

What is being done?

La Porte City Utilities was required by the DNR to repeat these samples during July 1st to December 31st 2019 and have completed these samples. All tests were within the Action Level and the Maximum Contaminant Level Goal.

For more information, please contact the La Porte City Utilities office at 319-342-3139