ORIGINAL

2021 ADAMS TOWNSHIP WATER QUALITY CONSUMER CONFIDENCE REPORT

Regulation Background:
Following new federal regulation, the State of Michigan in 1998 enacted a requirement that Public water suppliers must now issue annual Consumer Confidence Reports (CCR) on water systems. Therefore, this report is issued to provide Adams Township water customers with information on drinking water.

Introduction:
Individual tests were conducted on the Township's water for 80 Federal and State regulated contaminants. The State allows us to monitor for some 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 are more than one year old. In addition, our water was tested for several non-regulated items that affect taste, odor, or appearance. The Township also takes four bacteria samples (two from the water pumping station and two from the distribution system) a month as part of our regular monitoring program.

Summary of Township Water System:
Adams Township water is pumped from three 200 ft. deep wells from an aquifer just south of Painesdale.
Adams Township has a pumping station with a 250,000 gallon storage facility to serve Atlantic Mine, Portage Township, the City of Hancock and to supply our high pressure storage facilities. The high pressure system has a 250,000 gallon storage facility located just north of Painesdale. It is supplied by booster pumps at the water pumping station and serves the towns of Baltic, Trimountain, Painesdale, and the Village of South Range.

The land area of the aquifer is forest land.
Chlorine and zinc orthophosphate are the only treatment chemicals added to Adams Township water. Chlorine is added to maintain a chlorine residual as a precaution for possible entry of harmful bacteria into the distribution system.
Zinc orthophosphate is added to control corrosion of household plumbing and reduce the lead content of the water.

General Water Educational Information (as required by the EPA):
Drinking water, including bottled water, may be reasonably 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 EPA's Safe Drinking Water Hotline (800-426-4791) or EPA's Web Site at www.epa.gov/safe/hfacts.html.

The sources of drinking water (both tap water and bottled water) include rivers, lakes and 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:

Inorganic Contaminant Subject to AL	AL	MCLG	Your Water[4]	Year Sampled	# of Samples Above AL	Does System Exceed AL? Yes / No	Typical Source of Contaminant
Lead (ppb)	15	0	1	2019	0	No	Lead service lines, corrosion of household plumbing and fixtures; Erosion of natural deposits
Copper (ppb)	1300	1300	400	2019	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

4. Calculated 90th percentile value . Ninety percent of the samples collected were at or below the level reported for our water.

Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

Information about lead: 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. Adams Township Water Department 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 (1-800-426-4791) or at http://www.epa.gov/drink/info/lead.

				Samples Exceeding		
Arsenic:	MCL	MCLG	Adams Twp Water	MCL	Date	Violation
	10ppb	0 ppb	6.4 ppb	0	2/20/2018	No

Typical source of contaminants: Erosion of natural deposits.

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

				Samples Exceeding		
Mercury:	MCL	MCLG	Adams Twp Water	MCL	Date	Violation
	2ppb	2ppb	0.081ppb	0	2/20/2018	No

Typical Source of contaminants: Erosion of natural deposits.

Total trihalomethanes:	MCL	MCLG	Adams Twp Water	MCL	Date	Violation
	80ppb	n/a	35 ppb	0	8/19/2021	No

Total haloacetic acids:	MCL	MCLG	Adams Twp Water	MCL	Date	Violation
	60ppb	n/a	0.93 ppb	0	8/19/2021	No

Typical source of contaminant - byproduct of drinking water chlorination

Violations:

None

For more information:

Copies of this report will not be mailed to individual customers, but are available at the Township Office. For more information call the Township Office (906) 482-4420. Adams Township is committed to providing the best quality water and water information to our valued customers.

Adams Township

Gerald Heikkinen, Supervisor

Donald Cline, Water Superintendent