2016 WATER QUALITY REPORT FOR MOUNT PLEASANT MUNICIPAL 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)		Yes/No	
Lead (ppb)	AL=15 (0)	90th	2.00 (ND - 100) 1 sample(s) exceeded AL	2015	No	Corrosion of household plumbing systems; erosion of natural deposits
Copper (ppm)	AL=1.3 (1.3)	90th	0.25 (0.04 - 0.45)	2015	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
950 - DISTRIBUTION SYSTEM						
Chlorine (ppm)	MRDL=4.0 (MRDLG=4.0)	RAA	1.6 (0.51 - 2.45)	12/31/2016	No	Water additive used to control microbes
Total Coliform Bacteria	TT (TT)	RTCR	1 sample(s) positive	06/14/2016	No	Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other waterborne pathogens may be present, or that a potential pathway exists through which contamination may enter the drinking water.
Total Trihalomethanes (ppb) [TTHM]	80 (N/A)	SGL	56 (ND – 85)	07/13/2016 10/19/2016	No	By-products of drinking water chlorination
03 - S/EP FROM WELL #4(1946)						
Gross Alpha, inc (pCi/L)	15 (0)	SGL	5	04/13/2015	No	Erosion of natural deposits
Combined Radium (pCi/L)	5 (0)	SGL	1.4	04/13/2015	No	Erosion of natural deposits
Sodium (ppm)	N/A (N/A)	SGL	130	05/03/2016	No	Erosion of natural deposits; Added to water during treatment process
05 - S/EP FROM WELL #6 (1997)						
Gross Alpha, inc (pCi/L)	15 (0)	SGL	10.1	04/13/2015	No	Erosion of natural deposits
Combined Radium (pCi/L)	5 (0)	SGL	3.2	04/13/2015	No	Erosion of natural deposits
Sodium (ppm)	N/A (N/A)	SGL	130	05/03/2016	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

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. Mount Pleasant Municipal 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.

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 Mount Pleasant Municipal Utilities at 319-385-2121.

OTHER INFORMATION

Mount Pleasant Municipal Utilities is making every effort to protect our water system from potential security threats. You, as customers, can also help. If you see any suspicious activity near the water towers, treatment plants, wells or fire hydrants, please contact us at Mount Pleasant Municipal Utilities (319-385-2121) or the local law enforcement. We appreciate your assistance in protecting the water system.

The Mount Pleasant Municipal Utilities water treatment process is an Electro-Dialysis Reversal (EDR) system. This system is utilized to treat and soften raw water prior to delivery to our customers. In 2016, Mount Pleasant Municipal Utilities produced 597,681,000 gallons of water, with 405,965,000 gallons (67.9%) coming from Well #6 and 191,716,000 gallons (32.1%) coming from Well #4.

CONTACT INFORMATION

For questions regarding this information, please contact Jack Hedgecock, General Manager, or Loren Rich, Water Supervisor, at Mount Pleasant Municipal Utilities during the following hours: Weekdays---7:30 a.m. to 4:00 p.m. Telephone at 319-385-2121.

Decisions regarding the water system are made at the Mount Pleasant Municipal Utilities Board meetings held on the third Tuesday of each month at 1:00 p.m. at the Mount Pleasant Municipal Utilities conference room located at 509 N. Adams in Mount Pleasant, Iowa and the meetings are open to the public.

This notice will not be mailed to individual customers. However, you may obtain a copy of this report from the Mount Pleasant Municipal Utilities office located at 509 N. Adams, Mount Pleasant, Iowa.