

2019 WATER QUALITY REPORT FOR CITY OF RIDGEWAY

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

950- DISTRIBUTION SYSTEM

Chlorine (ppm)	MRDL= 4.0 (MRDLG= 4.0)	RAA	0.8 (0.5-1.06)	12/31/2018	No	Water additive used to control microbes
Total Trihalomethanes (ppb) [TTHM]	80 (N/A)	SGL	21.00	08/16/2016	No	By- products of drinking water chlorination
Total Haloacetic Acids(ppb) [HAA5]	60 (N/A)	SGL	10.50	08/16/2016	No	B- products of drinking water disinfection
01- LAST TAP AFTER FILTERS, #2						
Gross Alpha, inc (pCi/L)	15 (0)	SGL	2.2	10/17/2016	No	Erosion of natural deposits
Sodium (ppm)	N/A (N/A)	SGL	4	10/17/2016	No	Erosion of natural deposits; Added to water during treatment process
Nitrogen, Nitrate	1.0 (1.0)	SGL	<1.0mg/l	04/03/2019	No	
Uranium	30	SGL	<1.0	01/26/2019	No	
02- LAST TAP AFTER FILTERS, #1						
Gross Alpha, inc (pCi/L)	15 (0)	SGL	3.9	12/19/2018	No	Erosion of natural deposits
Selenium (ppb)	50 (50)	SGL	1.10	04/04/2016	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Fluoride (ppm)	4 (4)	SGL	0.9	04/04/2016	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Barium (ppm)	2 (2)	SGL	0.118	04/04/2016	No	Discharge from drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Sodium (ppm)	N/A (N/A)	SGL	5.5	04/04/2016	No	Erosion of natural deposits; Added to water during treatment process
Nitrogen, Nitrate	1.0 (1.0)	SGL	<1.0	09/11/2018	No	

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

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.

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).

SOURCE WATER ASSESSMENT INFORMATION

This water supply obtains its water from the Ordovician (abv St. Peter) aquifer. The Ordovician (abv St. Peter) aquifer was determined to be slightly susceptible to contamination because the characteristics of the aquifer and overlying materials provide moderate protection from contaminants at the land surface. The Ordovician (abv St. Peter) well will be slightly susceptible to surface contaminants such as leaking underground storage tanks, contaminant spills, and excess fertilizer applications. A detailed evaluation of your source water was completed by the Iowa Department of Natural Resources, and is available from the Water Operator at 563-737-2457.

CONTACT INFORMATION

For questions regarding this information or how you get involved in decisions regarding the water system, please contact CITY OF RIDGEWAY at 563-737-2457.