

2017 WATER QUALITY REPORT

for the CITY OF GARWIN

The City of Garwin strives to provide you with a safe, dependable supply of drinking water that is in compliance with the guidelines established by the Environmental Protection Agency (EPA). This report contains important information regarding the water quality in our water system. The City of Garwin currently purchases its water through a bulk connection with Iowa Regional Utilities Association (IRUA). The Marshalltown Water Works supplies the water which is pumped from nine deep wells located on the north side of the Iowa River drawing from the Mississippian and Pleistocene Aquifers. Our water quality testing shows the following results:

Contaminant	MCL (MCLG)	Compliance		Year Tested	Violation	Source
		Type	Result (Range)			
City of Garwin Distribution System						
Copper (ppm)	AL=1.3 (1.3)	90 th	0.02 (ND - 0.03)	2017	No	Corrosion of plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
Lead (ppb)	AL=15 (0)	90 th	1.0 (ND - 4)	2017	No	Corrosion of household plumbing systems; Erosion of natural deposits.
Chlorine (ppm)	MRDL=4.0 (MRDLG=4.0)	RAA	2.7 (2.5 - 2.8)	2017	No	Water additive used to control microbes.
Water Supplied by Marshalltown Water Works						
Fluoride (ppm)	4 (4)	RAA	0.7 (0.3 – 1.0)	2017	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories.
Sodium (ppm)	N/A (N/A)	SGL	14	2016	No	Erosion of natural deposits; Added to water during the treatment process.
Third Unregulated Contaminant Monitoring Rule Results (UCMR3)						
<p>Our utility is committed to protecting public health and meets or surpasses all state and federal health standards for tap water. To help advance the science of drinking water, we have been collecting data for the EPA since the rule was enacted in January 2013. Collecting information about the occurrence of these compounds in water supplies is the first step in the EPA's efforts to determine whether they should be regulated. The presence of a compound does not necessarily equate to a health risk; the concentration of a compound is a far more important factor in determining whether there are health implications. We will closely monitor both the concentrations of these compounds and the EPA's health studies and will keep you informed of any developments. Should the EPA ultimately determine that regulation is warranted, we will take whatever steps are necessary to protect the health of our customers. Additional information about the Third Unregulated Contaminant Monitoring Rule can be found at DrinkTap.org.</p>						
Contaminant	Value	Range	Contaminant	Value	Range	
Chlorate (ppb)	214	71-214	Strontium (ppb)	145	80.5-145	
Chromium-6 (ppb)	0.299	0.102-0.299	Chromium (ppb)	0.300	ND-0.300	
Molybdenum (ppb)	1.30	ND-1.30	1,4-DioNDane (ppb)	0.116	ND-0.116	

The EPA requires monitoring of over 80 drinking water contaminants. Those listed above are the only contaminants detected in your drinking water. For questions regarding this information, please contact Rand Daniel, Water Operator at (641) 751-1115. Decisions regarding the water system are made at the Garwin City Council meetings, which are held on the first Monday of each month at 6:00 p.m. at the Garwin City Hall, 208 Main Street, Garwin, Iowa and are open to the public.