

GLENBROOK COVE 2023 WATER QUALITY REPORT



3050 5th Ave, Marion IA 52302

TEST RESULTS - DISTRIBUTION SYSTEM

INORGANIC CONTAMINANTS

Contaminant – Date	Violation	Level Detected	Range	Unit Meas.	MCLG	MCL	Likely Source of Contamination
Lead – 7/2021	No	2.80	ND to 3	ppb	0	AL=15	Corrosion of household plumbing system; Erosion of natural deposits
Copper – 7/2021	No	0.124	0.0390 to 0.142	ppm	1.3	AL=1.3	Corrosion of household plumbing system; Erosion of natural deposits; Leaching from wood preservatives

CHLORINE

Contaminant – Date	Violation	Level Detected	Range	Unit Meas.	MCLG	MCL	Likely Source of Contamination
Chlorine – Daily	No	3.2	ND to 3.6	ppm	MRDLG = 4.0	MRDL = 4.0	Water additive used to control microbes

TOTAL TRIHALOMETHANES

Contaminant – Date	Violation	Level Detected	Range	Unit Meas.	MCLG	MCL	Likely Source of Contamination
(TTHM) – 7/2023	No	2.07/L	ND	ug/L	NA	AL=80	By-product of chlorinating drinking water

TOTAL HALOACETIC ACIDS

Contaminant – Date	Violation	Level Detected	Range	Unit Meas.	MCLG	MCL	Likely Source of Contamination
(HAA5) – 7/2023	No	<5.00 ug/L	7.52	ug/L	NA	60	By-product of chlorinating drinking water

Note: Test results are from most recent tests taken.

DEFINITIONS:

- **AL:** Action Level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- **MCLG:** Maximum Contaminant Level Goal, or 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.
- **MCL:** Maximum Contaminant Level, or 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.
- **MRDLG:** Maximum Residual Disinfectant Level Goal, or 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.
- **MRDL:** Maximum Residual Disinfectant Level, or 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.
- **LRAA:** Locational Running Annual Average

- **ND:** No Detect
- **NA:** Not Applicable
- **ppb:** parts per billion
- **ppm:** parts per million

Why are there contaminants in my water?

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

Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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).

Health Effects of Lead in Drinking Water:

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. GLENBROOK COVE AREA 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>.

2023 PURCHASED WATER INFORMATION

Our water system purchases water from the Cedar Rapids Water Department (PWSID: 5715093). Their water quality is as follows:

5715093 - CEDAR RAPIDS WATER DEPARTMENT

**Cedar Rapids Water Department
J Ave & Northwest Treatment Plant
2023 Finished Water Quality**

Water Treatment Plants - Finished Water								
Inorganic Chemicals				J AVE PLANT		NW PLANT		SOURCE OF CHEMICAL
	UNITS	MCL	MCLG	RANGE	REPORTED	RANGE	REPORTED	
Arsenic	µg/L	10	0	ND - 1.8	1.0 ^①	ND - 0.9	0.5 ^①	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Nitrate	mg/L	10	10	0.2 - 4.4	4.4 ^②	0.3 - 5.7	5.7 ^②	Runoff from fertilizer use; Leaching from septic tanks, Sewage; Erosion of natural deposits
Nitrite	mg/L	1	1	ND - 0.1	0.1 ^②	ND - 0.1	0.1 ^②	Runoff from fertilizer use; Leaching from septic tanks, Sewage; Erosion of natural deposits
Sodium	mg/L	NA	NA	NA	18 ^③	NA	18 ^③	Erosion of natural deposits; Added to water during treatment process
Fluoride	mg/L	4	4	0.2 - 0.8	0.8 ^②	0.3 - 0.8	0.8 ^②	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories.
Organic Chemicals				RANGE	REPORTED	RANGE	REPORTED	
Atrazine	µg/L	3	3	ND - 0.2	0.1 ^①	ND - 0.2	0.1 ^①	Runoff from herbicide used on row crops
Dalapon	µg/L	200	200	NA	0.2 ^③	NA	ND ^③	Runoff from herbicide used on row crops
Treatment Technique Indicators				RANGE	REPORTED	RANGE	REPORTED	
Total Organic Carbon	% Removal	TT	NA	0.9 - 2.5	1.9 ^④	1.1 - 3.3	2.1 ^④	Naturally present in the environment
	Running Annual Average TOC Credits must be > 1.0							
Turbidity	NTU	TT	NA	0.02 - 0.27	0.27 ^②	0.03 - 0.15	0.15 ^②	Soil runoff
	Cannot exceed 1.0 NTU & Monthly no more than 5% > 0.3 NTU				% > 0.3 NTU	% > 0.3 NTU		
					0.00	0.00		

Unregulated and Secondary Chemicals								
Inorganic Chemicals				J AVE PLANT		NW PLANT		SOURCE OF CHEMICAL
	UNITS	MCL	MCLG	RANGE	AVERAGE	RANGE	AVERAGE	
Chloride	mg/L	NA	250	30.6 - 43.9	35.5	27.6 - 39.8	33.8	Erosion of natural deposits, Run-off
Copper	mg/L	NA	1.0	ND - 0.005	0.003	ND - 0.014	0.008	Corrosion of household plumbing, Erosion of natural deposits
Iron	mg/L	NA	0.3	0.04 - 0.10	0.06	0.03 - 0.12	0.07	Corrosion of household plumbing, Erosion of natural deposits
Manganese	µg/L	NA	50	5.0 - 39.6	16.0	ND - 11.1	0.4	Corrosion of household plumbing, Erosion of natural deposits
Sulfate	mg/L	NA	250	19.5 - 42.0	28.4	25.9 - 41.8	31.0	Erosion of natural deposits
Zinc	mg/L	NA	5	0.04 - 0.22	0.19	0.04 - 0.25	0.21	Corrosion of household plumbing, Erosion of natural deposits
Organic Chemicals				RANGE	AVERAGE	RANGE	AVERAGE	
Chloroform	µg/L	NA	70	1.3 - 2.3	1.6	1.5 - 2.5	2.1	By-product of drinking water disinfection
Bromodichloromethane	µg/L	NA	0	ND - 0.8	0.2	ND - 0.8	0.4	
Dichloroacetic Acid	µg/L	NA	0	2.0 - 3.0	2.2	NA	2.0	
Metolachlor	µg/L	NA	NA	ND - 0.2	0.17	ND - 0.2	0.18	Run-off from fertilizer used on row crops
Radionuclides				RANGE	AVERAGE	RANGE	AVERAGE	
Radon	pCi/L	NA	NA	48 - 72	62	26 - 46	34	Erosion of natural deposits

UCMR5 (Unregulated Contaminant Monitoring Rule) - 2023											
		Lithium µg/L	19 Specific Perfluorinated Compounds ng/L	PFOA Perfluorooctanoic acid ng/L	PFOS Perfluorooctane sulfonate ng/L	PFNA Perfluorononanoic acid ng/L	PFBS Perfluorobutanes ulfonic acid ng/L	PFHxS Perfluorohexane sulfonic acid ng/L	HFPO-DA (GenX) Hexafluoro- opylene Oxide Dimer ng/L	4 Specific Perfluorinated Compounds ng/L	
	Method	EPA 200.7	EPA 533								EPA 537.1
J Ave Treatment Plant	Range	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Average	ND	ND	ND	ND	ND	ND	ND	ND	ND	
NW Treatment Plant	Range	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Average	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Proposed MCL	NA	NA	4.0	4.0	Combined Hazard Index 1				NA	

NO CURRENT REGULATORY MCL - EPA Mandatory sampling and Analysis to determine contaminate occurrence nationally and establish regulatory MCL's.

- Only detected contaminants are listed
- All results are from calendar year 2023
- ND = No Detect
- NA = Not Applicable
- MCL = Maximum Contaminant Level
- MCLG = Maximum Contaminant Level Goal
- ① = Highest Running Annual Average
- ② = Maximum Value
- ③ = Single Result
- ④ = Lowest Running Annual Average