

# 2025 WATER QUALITY REPORT FOR WINTERSET MUNICIPAL WATERWORKS

The Winterset Municipal Water Utility is pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. In January 2008 a Reverse Osmosis system was added to our water treatment system to assist with nitrate removal, as well as other contaminants. We are committed to ensuring the quality of your water.

Our water source is Cedar Lake; a man-made reservoir located northeast of Winterset. Built in 1938, Cedar Lake has 10,700 acres of watershed north and west of town.

If you have any questions about this report or questions concerning your water utility, please contact Mike Ham, Water Superintendent, at 515-462-3601. The Winterset Municipal Water Department wants our customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the third Monday of each month at the Electric Generation Plant – 321 N. 1<sup>st</sup> St. at 8:30am.

This report contains important information regarding the water quality in our water system. The source of our water is surface water. Our surface water is drawn from Cedar Lake.

Our water quality testing shows the following results:

CONTAMINANT	MCL - (MCLG)	Compliance		Date	Violation Yes/No	Source
		Type	Value & (Range)			
Total Trihalomethanes (ppb) [TTHM]	80 (N/A)	LRAA	33.00 (21 - 50)	12/15/2025	No	By-products of drinking water chlorination
Total Haloacetic Acids (ppb) [HAA5]	60 (N/A)	LRAA	19.00 (12 - 29)	12/15/2025	No	By-products of drinking water disinfection
Lead (ppb)	AL=15 (0)	90th	1.00 (ND - 24) 1 sample(s) exceeded AL	2023	No	Corrosion of household plumbing systems; erosion of natural deposits
Copper (ppm)	AL=1.3 (1.3)	90th	0.13 (ND - 0.43)	2023	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
<b>950 - DISTRIBUTION SYSTEM</b>						
Chlorine (ppm)	MRDL=4.0 (MRDLG=4.0)	RAA	2.8 (1.5 - 3.3)	12/31/2025	No	Water additive used to control microbes
Total Coliform Bacteria	TT (TT)	RTCR	2 sample(s) positive	08/31/2025	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.
Chlorite (ppm)	1.0 (0.8)	SGL	(ND - 0.46)	12/31/2025	No	Byproduct of drinking water disinfection
<b>01 - S/EP FROM CEDAR LAKE</b>						
Fluoride (ppm)	4 (4)	SGL	0.73	2025	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Barium (ppm)	2 (2)	SGL	0.11	04/12/2021	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Sodium (ppm)	N/A (N/A)	SGL	23	04/15/2025	No	Erosion of natural deposits; Added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	4.5 (0.41 - 4.5)	2025	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Dalapon (ppb)	200 (200)	SGL	0.20	08/02/2021	No	Runoff from herbicide used on rights of way
Turbidity (NTU)	N/A (N/A)	TT	.27 100% compliance	2025	No	Soil runoff

Carbon, Total Organic	N/A	TT 15% required removal	48%-89%	2025	No	Naturally present in the environment.
Nitrite	1	1	<.125 <.125 <.125 <.125	03-03-2025 06-09-2025 09-15-2025 12-01-2025	No	Runoff from fertilizer use. Leaching from septic tanks,sewage;Erosion of natural deposits
Atrazine	.003	SGL	.0002	11/17/2025	No	Runoff from fertilizer use
Cryptosporidium	N/A	N/A	.1	1/1/18- 12/31/18	No	Soil Runoff

**UNREGULATED CONTAMINATES TREATMENT PLANT**

Contaminate	Sample date	Result (avg)	Range
Manganese (ppb)	2025	<0.02	

**UNREGULATED CONTAMINATES DISTRIBUTION SYSTEM**

Contaminate	Sample date	Result (avg)	Range
HAA5 (ppb)	2019	14.47	8.97-26.64
HAA6 (ppb)	2019	7.24	4.7-10.3
HAA9 (ppb)	2019	21.01	15.26-34.51
<b>PFAS/PFOA</b>	<b>2024</b>	<b>&lt;MRL</b>	<b>N/A</b>

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
- NTU – Nephelometric Turbidity Units

## 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).

Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. Our water supply is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time. You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formulas, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, contact WINTERSET MUNICIPAL WATERWORKS at 515-462-3601. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <https://www.epa.gov/safewater/lead>.

Lead tap sampling data can be found in the Iowa Drinking Water Data Portal: <https://programs.iowadnr.gov/iowadrinkingwater>

Our water supply has completed a service line inventory. Please contact us for information regarding the inventory and how you can access the results.

## COLIFORM ASSESSMENT

During the past year we were required to conduct 1 Level 1 assessment to determine the cause of bacteria in our distribution system. Corrective actions have been taken to address these issues. If a health concern is present, you will be notified.

A Level 1 Assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

## SOURCE WATER ASSESSMENT INFORMATION

This water supply obtains water from one or more surface waters. Surface water sources are susceptible to sources of contamination within the drainage basin.

Surface Water Name	Susceptibility
Cedar Lake	high

## OTHER INFORMATION

Turbidity is an indicator of treatment filter performance and is regulated as a treatment technique.

## CONTACT INFORMATION

For questions regarding this information, please contact Mike Ham at 515-462-3601 during the following hours: 7:00am to 4:00pm Monday through Friday.

Decisions regarding the water system are made at the Winterset Utility Board meetings held on the third Monday of every month at 8:30 a.m. at the Electric Generation Plant and are open to the public.

Copies of this report will be available at the Water Treatment Plant and City Hall. This report will also be posted at various locations around the city.

**COPIES OF THE REPORT ARE AVAILABLE AT CITY HALL AND THE WATER TREATMENT PLANT.  
THIS CONSUMER CONFIDENCE REPORT WILL NOT BE MAILED TO CUSTOMERS.**

This information and more is available on our website:  
<http://winterset.gov>

This information is also available on Iowa Rural Water Association website at:  
<https://iowaccr.org/winterset-municipal-water>