

**SUMMARY OF WATER QUALITY REPORT
January 2023**

Summary Statement

To West Des Moines Water Works, the quality of water provided to its customers is of vital importance. Therefore, monitoring is conducted at least as often as required by rules of the U.S. Environmental Protection Agency and the Iowa Department of Natural Resources. For many substances, West Des Moines Water Works voluntarily monitors more frequently than is required by the governmental rules.

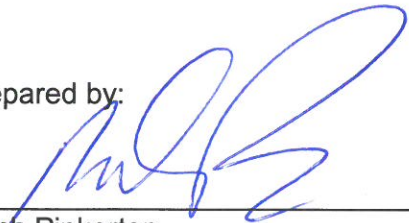
All U.S. Environmental Protection Agency and the Iowa Department of Natural Resources requirements are being met at this time.

For a complete list of all sampling results, please contact the West Des Moines Water Works Treatment Plant at (515) 222-3465.

New Test Results Received Since the Last Report

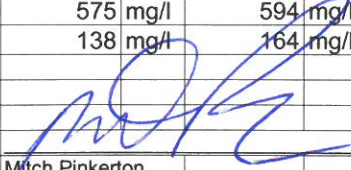
Water samples received during this month met or exceeded water quality standards.

Prepared by:



Mitch Pinkerton
Water Production Manager

WEST DES MOINES WATER WORKS
February 9, 2023

SUBSTANCES FREQUENTLY MONITORED BY						
WEST DES MOINES WATER WORKS						
RAW WATER (BEFORE TREATMENT)						
January 2023						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	1/week	222 mg/l	266 mg/l	186 mg/l		
Copper	1/week	0.05 mg/l	0.07 mg/l	0.02 mg/l		
Fluoride	1/week	1.9 mg/l	1.9 mg/l	1.8 mg/l		
Iron	1/week	0.24 mg/l	0.46 mg/l	0.02 mg/l		
Magnesium Hardness	1/week	121 mg/l	142 mg/l	100 mg/l		
Manganese	1/week	0.15 mg/l	0.17 mg/l	0.12 mg/l		
Nitrate as Nitrogen	1/week	0.18 mg/l	0.20 mg/l	0.15 mg/l		
Orthophosphate	1/week	0.10 mg/l	0.12 mg/l	0.07 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	1/week	0	0	0		
pH (pH units)	1/week	7.3 7.3	7.4	7.3		
Sulfate	1/week	345 mg/l	360 mg/l	320 mg/l		
Temperature	1/week	21 ° C	21 ° C	20 ° C		
Total Alkalinity/CaCO3	1/week	276	282	268		
Total Dissolved Solids	1/week	712 mg/l	720 mg/l	703 mg/l		
Total Hardness	1/week	343 mg/l	366 mg/l	324 mg/l		
FINISHED WATER (AFTER TREATMENT)						
(INCLUDES PURCHASED WATER)						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	6/day	73 mg/l	108 mg/l	61 mg/l		
Copper	1/week	0.02 mg/l	0.02 mg/l	0.01 mg/l		
Fluoride	1/day	1.2 mg/l	1.4 mg/l	1.1 mg/l		
Free Chlorine *	6/day	0.8 mg/l	1.6 mg/l	0.4 mg/l		
Iron	1/week	0.02 mg/l	0.03 mg/l	0.01 mg/l		
Magnesium Hardness	1/week	65 mg/l	75 mg/l	42 mg/l		
Manganese	1/day	0.01 mg/l	0.02 mg/l	0.01 mg/l		
Nitrate as Nitrogen	1/week	0.54 mg/l	0.60 mg/l	0.45 mg/l		
Orthophosphate	1/week	0.23 mg/l	0.26 mg/l	0.20 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	6/day	13	18	7		
pH (pH units)	6/day	9.3	9.4	9.2		
Polyphosphate	1/week	0.29 mg/l	0.47 mg/l	0.20 mg/l		
Sulfate	1/week	325 mg/l	330 mg/l	320 mg/l		
Temperature	1/week	20 ° C	21 ° C	18 ° C		
Total Alkalinity/CaCO3	6/day	63	78	58		
Total Chlorine	6/day	1.13 mg/l	1.73 mg/l	0.74 mg/l		
Total Dissolved Solids	2/day	575 mg/l	594 mg/l	549 mg/l		
Total Hardness	6/day	138 mg/l	164 mg/l	130 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works						
February 9, 2023						
		Mitch Pinkerton Water Production Manager				