

**SUMMARY OF WATER QUALITY REPORT
February 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.

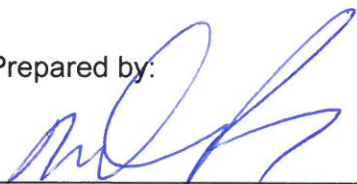
All U.S. Environmental Protection Agency and the Iowa Department of Natural Resources requirements are being met at this time.

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

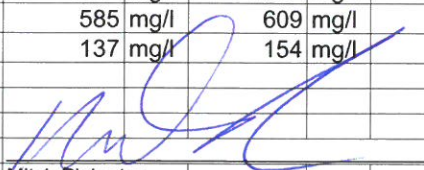
Water samples received during this month met or exceeded water quality standards.

Prepared by:



Mitch Pinkerton
Water Production Manager

WEST DES MOINES WATER WORKS
March 6, 2023

SUBSTANCES FREQUENTLY MONITORED BY						
WEST DES MOINES WATER WORKS						
RAW WATER (BEFORE TREATMENT)						
		February		2023		
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	1/week	231 mg/l	246 mg/l	204 mg/l		
Copper	1/week	0.06 mg/l	0.07 mg/l	0.05 mg/l		
Fluoride	1/week	1.9 mg/l	2.1 mg/l	1.9 mg/l		
Iron	1/week	0.32 mg/l	0.47 mg/l	0.21 mg/l		
Magnesium Hardness	1/week	101 mg/l	138 mg/l	60 mg/l		
Manganese	1/week	0.16 mg/l	0.19 mg/l	0.13 mg/l		
Nitrate as Nitrogen	1/week	0.17 mg/l	0.19 mg/l	0.14 mg/l		
Orthophosphate	1/week	0.08 mg/l	0.15 mg/l	0.01 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	1/week	0	0	0		
pH (pH units)	1/week	7.3	7.4	7.2		
Sulfate	1/week	365 mg/l	400 mg/l	310 mg/l		
Temperature	1/week	21 ° C	21 ° C	20 ° C		
Total Alkalinity/CaCO3	1/week	269	274	264		
Total Dissolved Solids	1/week	731 mg/l	751 mg/l	704 mg/l		
Total Hardness	1/week	332 mg/l	346 mg/l	306 mg/l		
FINISHED WATER (AFTER TREATMENT)						
(INCLUDES PURCHASED WATER)						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	6/day	70 mg/l	92 mg/l	56 mg/l		
Copper	1/week	0.02 mg/l	0.03 mg/l	0.01 mg/l		
Fluoride	1/day	1.3 mg/l	1.4 mg/l	1.1 mg/l		
Free Chlorine *	6/day	0.7 mg/l	1.4 mg/l	0.5 mg/l		
Iron	1/week	0.03 mg/l	0.05 mg/l	0.01 mg/l		
Magnesium Hardness	1/week	67 mg/l	80 mg/l	57 mg/l		
Manganese	1/day	0.01 mg/l	0.02 mg/l	0.01 mg/l		
Nitrate as Nitrogen	1/week	0.46 mg/l	0.70 mg/l	0.33 mg/l		
Orthophosphate	1/week	0.24 mg/l	0.27 mg/l	0.22 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	6/day	13	16	9		
pH (pH units)	6/day	9.3	9.4	9.1		
Polyphosphate	1/week	0.27 mg/l	0.36 mg/l	0.17 mg/l		
Sulfate	1/week	325 mg/l	375 mg/l	300 mg/l		
Temperature	1/week	20 ° C	21 ° C	19 ° C		
Total Alkalinity/CaCO3	6/day	60	65	50		
Total Chlorine	6/day	1.19 mg/l	1.65 mg/l	0.70 mg/l		
Total Dissolved Solids	2/day	585 mg/l	609 mg/l	555 mg/l		
Total Hardness	6/day	137 mg/l	154 mg/l	126 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works						
March 6, 2023						
		Mitch Pinkerton Water Production Manager				