

**SUMMARY OF WATER QUALITY REPORT
April 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

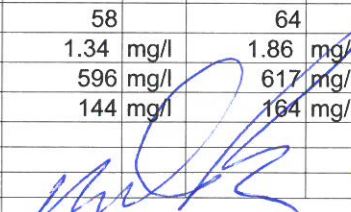
Water samples received during this month met or exceeded water quality standards.

Prepared by:



Mitch Pinkerton
Water Production Manager

WEST DES MOINES WATER WORKS
May 4, 2023

SUBSTANCES FREQUENTLY MONITORED BY						
WEST DES MOINES WATER WORKS						
RAW WATER (BEFORE TREATMENT)						
April 2023						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	1/week	239 mg/l	252 mg/l	220 mg/l		
Copper	1/week	0.06 mg/l	0.07 mg/l	0.05 mg/l		
Fluoride	1/week	1.7 mg/l	1.7 mg/l	1.5 mg/l		
Iron	1/week	0.50 mg/l	0.57 mg/l	0.31 mg/l		
Magnesium Hardness	1/week	97 mg/l	148 mg/l	44 mg/l		
Manganese	1/week	0.22 mg/l	0.23 mg/l	0.21 mg/l		
Nitrate as Nitrogen	1/week	0.17 mg/l	0.23 mg/l	0.12 mg/l		
Orthophosphate	1/week	0.12 mg/l	0.16 mg/l	0.09 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	1/week	0	0	0		
pH (pH units)	1/week	7.3	7.4	7.3		
Sulfate	1/week	333 mg/l	360 mg/l	300 mg/l		
Temperature	1/week	20 ° C	21 ° C	20 ° C		
Total Alkalinity/CaCO3	1/week	266	270	262		
Total Dissolved Solids	1/week	718 mg/l	723 mg/l	711 mg/l		
Total Hardness	1/week	336 mg/l	368 mg/l	296 mg/l		
FINISHED WATER (AFTER TREATMENT)						
(INCLUDES PURCHASED WATER)						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	6/day	80 mg/l	110 mg/l	65 mg/l		
Copper	1/week	0.04 mg/l	0.06 mg/l	0.02 mg/l		
Fluoride	1/day	1.1 mg/l	1.2 mg/l	1.0 mg/l		
Free Chlorine *	6/day	1.3 mg/l	1.7 mg/l	0.7 mg/l		
Iron	1/week	0.03 mg/l	0.05 mg/l	0.01 mg/l		
Magnesium Hardness	1/week	64 mg/l	76 mg/l	46 mg/l		
Manganese	1/day	0.02 mg/l	0.10 mg/l	0.01 mg/l		
Nitrate as Nitrogen	1/week	0.45 mg/l	0.53 mg/l	0.42 mg/l		
Orthophosphate	1/week	0.25 mg/l	0.28 mg/l	0.23 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	6/day	12	15	8		
pH (pH units)	6/day	9.3	9.4	9.2		
Polyphosphate	1/week	0.27 mg/l	0.56 mg/l	0.15 mg/l		
Sulfate	1/week	310 mg/l	340 mg/l	275 mg/l		
Temperature	1/week	20 ° C	22 ° C	19 ° C		
Total Alkalinity/CaCO3	6/day	58	64	51		
Total Chlorine	6/day	1.34 mg/l	1.86 mg/l	0.78 mg/l		
Total Dissolved Solids	2/day	596 mg/l	617 mg/l	564 mg/l		
Total Hardness	6/day	144 mg/l	164 mg/l	130 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works						
May 4, 2023		 Mich Pinkerton Water Production Manager				