

**SUMMARY OF WATER QUALITY REPORT  
March 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.

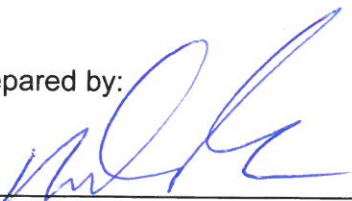
All U.S. Environmental Protection Agency and the Iowa Department of Natural Resources requirements are being met at this time.

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

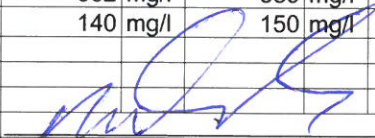
**New Test Results Received Since the Last Report**

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

Prepared by:

  
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Mitch Pinkerton  
Water Production Manager

WEST DES MOINES WATER WORKS  
April 6, 2023

SUBSTANCES FREQUENTLY MONITORED BY						
WEST DES MOINES WATER WORKS						
RAW WATER (BEFORE TREATMENT)						
March 2023						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	1/week	213 mg/l	234 mg/l	194 mg/l		
Copper	1/week	0.04 mg/l	0.05 mg/l	0.03 mg/l		
Fluoride	1/week	1.8 mg/l	1.8 mg/l	1.7 mg/l		
Iron	1/week	0.26 mg/l	0.29 mg/l	0.23 mg/l		
Magnesium Hardness	1/week	127 mg/l	156 mg/l	88 mg/l		
Manganese	1/week	0.19 mg/l	0.20 mg/l	0.17 mg/l		
Nitrate as Nitrogen	1/week	0.20 mg/l	0.28 mg/l	0.15 mg/l		
Orthophosphate	1/week	0.11 mg/l	0.13 mg/l	0.08 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	1/week	0	0	0		
pH (pH units)	1/week	7.3	7.3	7.1		
Sulfate	1/week	338 mg/l	370 mg/l	320 mg/l		
Temperature	1/week	20 ° C	21 ° C	20 ° C		
Total Alkalinity/CaCO3	1/week	266	276	256		
Total Dissolved Solids	1/week	682 mg/l	694 mg/l	665 mg/l		
Total Hardness	1/week	339 mg/l	368 mg/l	316 mg/l		
FINISHED WATER (AFTER TREATMENT)						
(INCLUDES PURCHASED WATER)						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	6/day	80 mg/l	118 mg/l	59 mg/l		
Copper	1/week	0.04 mg/l	0.07 mg/l	0.01 mg/l		
Fluoride	1/day	1.1 mg/l	1.3 mg/l	1.0 mg/l		
Free Chlorine *	6/day	1.0 mg/l	1.7 mg/l	0.4 mg/l		
Iron	1/week	0.05 mg/l	0.11 mg/l	0.02 mg/l		
Magnesium Hardness	1/week	60 mg/l	74 mg/l	24 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	0.44 mg/l		
Orthophosphate	1/week	0.25 mg/l	0.27 mg/l	0.23 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	6/day	14	20	6		
pH (pH units)	6/day	9.3	9.5	9.1		
Polyphosphate	1/week	0.25 mg/l	0.35 mg/l	0.17 mg/l		
Sulfate	1/week	336 mg/l	365 mg/l	320 mg/l		
Temperature	1/week	20 ° C	20 ° C	19 ° C		
Total Alkalinity/CaCO3	6/day	60	74	47		
Total Chlorine	6/day	1.24 mg/l	1.82 mg/l	0.69 mg/l		
Total Dissolved Solids	2/day	562 mg/l	589 mg/l	540 mg/l		
Total Hardness	6/day	140 mg/l	150 mg/l	129 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works						
April 6, 2023						
		Mitch Pinkerton Water Production Manager				