

**SUMMARY OF WATER QUALITY REPORT
May 2022**

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.

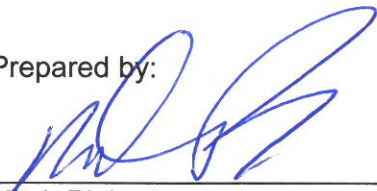
All U.S. Environmental Protection Agency and the Iowa Department of Natural Resources requirements are being met at this time.

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

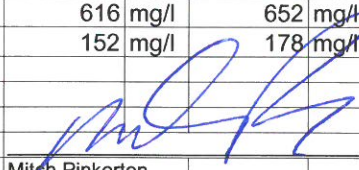
Water samples received during this month met or exceeded water quality standards.

Prepared by:



Mitch Pinkerton
Water Production Manager

WEST DES MOINES WATER WORKS
June 6, 2022

SUBSTANCES FREQUENTLY MONITORED BY						
WEST DES MOINES WATER WORKS						
RAW WATER (BEFORE TREATMENT)						
May 2022						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	1/week	238 mg/l	250 mg/l	220 mg/l		
Copper	1/week	0.05 mg/l	0.06 mg/l	0.03 mg/l		
Fluoride	1/week	1.8 mg/l	1.9 mg/l	1.6 mg/l		
Iron	1/week	0.50 mg/l	0.64 mg/l	0.41 mg/l		
Magnesium Hardness	1/week	98 mg/l	114 mg/l	74 mg/l		
Manganese	1/week	0.20 mg/l	0.21 mg/l	0.19 mg/l		
Nitrate as Nitrogen	1/week	0.24 mg/l	0.29 mg/l	0.20 mg/l		
Orthophosphate	1/week	0.11 mg/l	0.12 mg/l	0.11 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	1/week	0	0	0		
pH (pH units)	1/week	7.3	7.3	7.3		
Sulfate	1/week	305 mg/l	330 mg/l	270 mg/l		
Temperature	1/week	21 ° C	22 ° C	20 ° C		
Total Alkalinity/CaCO3	1/week	269	284	244		
Total Dissolved Solids	1/week	719 mg/l	731 mg/l	696 mg/l		
Total Hardness	1/week	336 mg/l	356 mg/l	318 mg/l		
FINISHED WATER (AFTER TREATMENT)						
(INCLUDES PURCHASED WATER)						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	6/day	81 mg/l	101 mg/l	66 mg/l		
Copper	1/week	0.02 mg/l	0.04 mg/l	0.01 mg/l		
Fluoride	1/day	1.2 mg/l	1.3 mg/l	1.0 mg/l		
Free Chlorine *	6/day	1.1 mg/l	1.6 mg/l	0.8 mg/l		
Iron	1/week	0.06 mg/l	0.09 mg/l	0.02 mg/l		
Magnesium Hardness	1/week	71 mg/l	92 mg/l	53 mg/l		
Manganese	1/day	0.01 mg/l	0.02 mg/l	0.01 mg/l		
Nitrate as Nitrogen	1/week	0.48 mg/l	0.60 mg/l	0.40 mg/l		
Orthophosphate	1/week	0.30 mg/l	0.36 mg/l	0.26 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	6/day	16	21	8		
pH (pH units)	6/day	9.3	9.5	8.9		
Polyphosphate	1/week	0.32 mg/l	1.22 mg/l	0.18 mg/l		
Sulfate	1/week	323 mg/l	400 mg/l	260 mg/l		
Temperature	1/week	21 ° C	22 ° C	19 ° C		
Total Alkalinity/CaCO3	6/day	70	91	56		
Total Chlorine	6/day	1.27 mg/l	1.74 mg/l	0.94 mg/l		
Total Dissolved Solids	2/day	616 mg/l	652 mg/l	559 mg/l		
Total Hardness	6/day	152 mg/l	178 mg/l	135 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works						
June 6, 2022						
		Mitch Pinkerton Water Production Manager				