

**SUMMARY OF WATER QUALITY REPORT  
June 2021**

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.

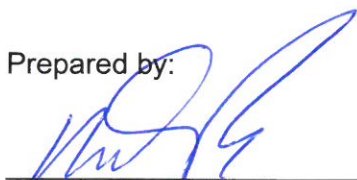
All U.S. Environmental Protection Agency and the Iowa Department of Natural Resources requirements are being met at this time.

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.

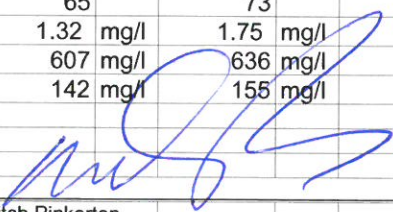
Prepared by:



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Mitch Pinkerton  
Water Production Manager

WEST DES MOINES WATER WORKS  
July 8, 2021

SUBSTANCES FREQUENTLY MONITORED BY WEST DES MOINES WATER WORKS RAW WATER (BEFORE TREATMENT)						
June 2021						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	1/week	252 mg/l	262 mg/l	244 mg/l		
Copper	1/week	0.04 mg/l	0.06 mg/l	0.03 mg/l		
Fluoride	1/week	2.3 mg/l	2.5 mg/l	2.2 mg/l		
Iron	1/week	0.46 mg/l	0.85 mg/l	0.30 mg/l		
Magnesium Hardness	1/week	105 mg/l	120 mg/l	84 mg/l		
Manganese	1/week	0.14 mg/l	0.18 mg/l	0.05 mg/l		
Nitrate as Nitrogen	1/week	0.16 mg/l	0.23 mg/l	0.12 mg/l		
Orthophosphate	1/week	0.10 mg/l	0.14 mg/l	0.02 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	1/week	0	0	0		
pH (pH units)	1/week	7.3	7.5	7.2		
Sulfate	1/week	385 mg/l	470 mg/l	310 mg/l		
Temperature	1/week	23 ° C	24 ° C	22 ° C		
Total Alkalinity/CaCO3	1/week	273	282	256		
Total Dissolved Solids	1/week	780 mg/l	864 mg/l	749 mg/l		
Total Hardness	1/week	357 mg/l	368 mg/l	330 mg/l		
FINISHED WATER (AFTER TREATMENT) (INCLUDES PURCHASED WATER)						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	6/day	82 mg/l	92 mg/l	73 mg/l		
Copper	1/week	0.03 mg/l	0.04 mg/l	0.01 mg/l		
Fluoride	1/day	1.2 mg/l	1.4 mg/l	1.0 mg/l		
Free Chlorine *	6/day	1.1 mg/l	1.5 mg/l	0.6 mg/l		
Iron	1/week	0.02 mg/l	0.03 mg/l	0.01 mg/l		
Magnesium Hardness	1/week	60 mg/l	79 mg/l	46 mg/l		
Manganese	1/week	0.02 mg/l	0.03 mg/l	0.01 mg/l		
Nitrate as Nitrogen	1/week	0.44 mg/l	0.46 mg/l	0.38 mg/l		
Orthophosphate	1/week	0.18 mg/l	0.22 mg/l	0.11 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	6/day	16	22	10		
pH (pH units)	6/day	9.3	9.5	9.2		
Polyphosphate	1/week	0.20 mg/l	0.34 mg/l	0.02 mg/l		
Sulfate	1/week	283 mg/l	315 mg/l	215 mg/l		
Temperature	1/week	22 ° C	23 ° C	21 ° C		
Total Alkalinity/CaCO3	6/day	65	73	55		
Total Chlorine	6/day	1.32 mg/l	1.75 mg/l	0.08 mg/l		
Total Dissolved Solids	2/day	607 mg/l	636 mg/l	551 mg/l		
Total Hardness	6/day	142 mg/l	155 mg/l	126 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works July 8, 2021		 Mitch Pinkerton Water Production Manager				