

**SUMMARY OF WATER QUALITY REPORT
July 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

Mitch Pinkerton
Water Production Manager

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WEST DES MOINES WATER WORKS
August 9, 2022

SUBSTANCES FREQUENTLY MONITORED BY WEST DES MOINES WATER WORKS RAW WATER (BEFORE TREATMENT)						
		July		2022		
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	1/week	227 mg/l	240 mg/l	204 mg/l		
Copper	1/week	0.04 mg/l	0.05 mg/l	0.03 mg/l		
Fluoride	1/week	1.3 mg/l	1.4 mg/l	1.2 mg/l		
Iron	1/week	0.33 mg/l	0.42 mg/l	0.27 mg/l		
Magnesium Hardness	1/week	103 mg/l	128 mg/l	80 mg/l		
Manganese	1/week	0.12 mg/l	0.13 mg/l	0.11 mg/l		
Nitrate as Nitrogen	1/week	0.17 mg/l	0.26 mg/l	0.11 mg/l		
Orthophosphate	1/week	0.10 mg/l	0.12 mg/l	0.08 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	408 mg/l	460 mg/l	350 mg/l		
Temperature	1/week	22 ° C	23 ° C	21 ° C		
Total Alkalinity/CaCO3	1/week	266	272	258		
Total Dissolved Solids	1/week	745 mg/l	769 mg/l	704 mg/l		
Total Hardness	1/week	330 mg/l	346 mg/l	318 mg/l		
FINISHED WATER (AFTER TREATMENT) (INCLUDES PURCHASED WATER)						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	6/day	83 mg/l	130 mg/l	66 mg/l		
Copper	1/week	0.01 mg/l	0.02 mg/l	0.01 mg/l		
Fluoride	1/day	1.1 mg/l	1.4 mg/l	1.0 mg/l		
Free Chlorine *	6/day	1.2 mg/l	1.6 mg/l	1.0 mg/l		
Iron	1/week	0.02 mg/l	0.03 mg/l	0.01 mg/l		
Magnesium Hardness	1/week	65 mg/l	79 mg/l	50 mg/l		
Manganese	1/day	0.02 mg/l	0.02 mg/l	0.00 mg/l		
Nitrate as Nitrogen	1/week	0.64 mg/l	0.68 mg/l	0.55 mg/l		
Orthophosphate	1/week	0.24 mg/l	0.26 mg/l	0.22 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	6/day	15	21	9		
pH (pH units)	6/day	9.3	9.5	9.2		
Polyphosphate	1/week	0.27 mg/l	0.33 mg/l	0.19 mg/l		
Sulfate	1/week	376 mg/l	425 mg/l	320 mg/l		
Temperature	1/week	22 ° C	24 ° C	21 ° C		
Total Alkalinity/CaCO3	6/day	62	70	52		
Total Chlorine	6/day	1.36 mg/l	1.65 mg/l	1.12 mg/l		
Total Dissolved Solids	2/day	640 mg/l	672 mg/l	573 mg/l		
Total Hardness	6/day	148 mg/l	182 mg/l	137 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works August 9, 2022		Mitch Pinkerton Water Production Manager			DL	