

SUBSTANCES FREQUENTLY MONITORED BY						
WEST DES MOINES WATER WORKS						
RAW WATER (BEFORE TREATMENT)						
September 2017						
Substance	Test Frequency	Concentration				
		Average	High	Low		
Calcium Hardness	1/week	253 mg/l	256 mg/l	248 mg/l		
Copper	1/week	0.05 mg/l	0.06 mg/l	0.03 mg/l		
Fluoride	1/week	1.9 mg/l	2.0 mg/l	1.8 mg/l		
Iron	1/week	0.30 mg/l	0.31 mg/l	0.26 mg/l		
Magnesium Hardness	1/week	118 mg/l	128 mg/l	104 mg/l		
Manganese	1/week	0.15 mg/l	0.16 mg/l	0.13 mg/l		
Nitrate as Nitrogen	1/week	0.20 mg/l	0.25 mg/l	0.17 mg/l		
Orthophosphate	1/week	0.09 mg/l	0.10 mg/l	0.08 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	1/week	0	0	0		
pH (pH units)	1/week	7.3	7.3	7.2		
Sulfate	1/week	358 mg/l	385 mg/l	330 mg/l		
Temperature	1/week	23 °C	24 °C	22 °C		
Total Alkalinity/CaCO3	1/week	259	260	256		
Total Dissolved Solids	1/week	734 mg/l	762 mg/l	716 mg/l		
Total Hardness	1/week	371 mg/l	380 mg/l	360 mg/l		
FINISHED WATER (AFTER TREATMENT)						
(INCLUDES PURCHASED WATER)						
Substance	Test Frequency	Concentration		Low		
		Average	High			
Calcium Hardness	6/day	81 mg/l	150 mg/l	60 mg/l		
Copper	1/week	0.01 mg/l	0.02 mg/l	0.01 mg/l		
Fluoride	1/day	1.3 mg/l	1.5 mg/l	1.1 mg/l		
Free Chlorine *	6/day	1.0 mg/l	1.4 mg/l	0.5 mg/l		
Iron	1/week	0.02 mg/l	0.02 mg/l	0.01 mg/l		
Magnesium Hardness	1/week	65 mg/l	92 mg/l	44 mg/l		
Manganese	1/week	0.005 mg/l	0.006 mg/l	0.003 mg/l		
Nitrate as Nitrogen	1/week	0.48 mg/l	0.49 mg/l	0.46 mg/l		
Orthophosphate	1/week	0.2 mg/l	0.2 mg/l	0.2 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	6/day	16	23	8		
pH (pH units)	6/day	9.3	9.5	8.9		
Polyphosphate	1/week	0.2 mg/l	0.3 mg/l	0.1 mg/l		
Sulfate	1/week	271 mg/l	310 mg/l	210 mg/l		
Temperature	1/week	23 °C	27 °C	21 °C		
Total Alkalinity/CaCO3	6/day	59	72	48		
Total Chlorine	6/day	1.26 mg/l	1.80 mg/l	0.72 mg/l		
Total Dissolved Solids	2/day	599 mg/l	648 mg/l	491 mg/l		
Total Hardness	6/day	144 mg/l	156 mg/l	133 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works		Mitch Pinkerton				
October 3, 2017		Water Production Manager				

SUMMARY OF WATER QUALITY REPORT
September, 2017

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.

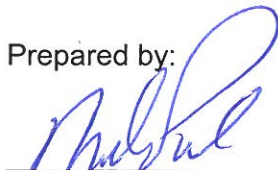
All U.S. Environmental Protection Agency and the Iowa Department of Natural Resources requirements are being met at this time.

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
October 3, 2017