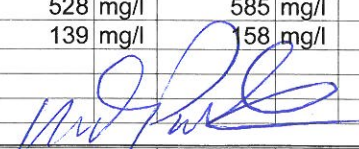


SUBSTANCES FREQUENTLY MONITORED BY						
WEST DES MOINES WATER WORKS						
RAW WATER (BEFORE TREATMENT)						
September 2018						
Substance	Test Frequency	Concentration				
		Average	High	Low		
Calcium Hardness	1/week	246 mg/l	252 mg/l	238 mg/l		
Copper	1/week	0.03 mg/l	0.04 mg/l	0.03 mg/l		
Fluoride	1/week	1.7 mg/l	2.0 mg/l	1.3 mg/l		
Iron	1/week	0.25 mg/l	0.41 mg/l	0.17 mg/l		
Magnesium Hardness	1/week	98 mg/l	120 mg/l	84 mg/l		
Manganese	1/week	0.17 mg/l	0.20 mg/l	0.15 mg/l		
Nitrate as Nitrogen	1/week	0.20 mg/l	0.26 mg/l	0.17 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	7.3		
Sulfate	1/week	338 mg/l	400 mg/l	210 mg/l		
Temperature	1/week	22 °C	23 °C	21 °C		
Total Alkalinity/CaCO3	1/week	266	274	262		
Total Dissolved Solids	1/week	676 mg/l	726 mg/l	606 mg/l		
Total Hardness	1/week	344 mg/l	366 mg/l	322 mg/l		
FINISHED WATER (AFTER TREATMENT)						
(INCLUDES PURCHASED WATER)						
Substance	Test Frequency	Concentration				
		Average	High	Low		
Calcium Hardness	6/day	78 mg/l	104 mg/l	57 mg/l		
Copper	1/week	0.02 mg/l	0.03 mg/l	0.01 mg/l		
Fluoride	1/day	1.0 mg/l	1.1 mg/l	0.8 mg/l		
Free Chlorine *	6/day	1.2 mg/l	1.9 mg/l	0.9 mg/l		
Iron	1/week	0.03 mg/l	0.04 mg/l	0.02 mg/l		
Magnesium Hardness	1/week	60 mg/l	75 mg/l	40 mg/l		
Manganese	1/week	0.011 mg/l	0.013 mg/l	0.008 mg/l		
Nitrate as Nitrogen	1/week	0.56 mg/l	0.60 mg/l	0.51 mg/l		
Orthophosphate	1/week	0.20 mg/l	0.21 mg/l	0.17 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	6/day	16	24	10		
pH (pH units)	6/day	9.3	9.5	9.1		
Polyphosphate	1/week	0.18 mg/l	0.33 mg/l	0.05 mg/l		
Sulfate	1/week	281 mg/l	340 mg/l	235 mg/l		
Temperature	1/week	22 °C	24 °C	20 °C		
Total Alkalinity/CaCO3	6/day	63	71	55		
Total Chlorine	6/day	1.37 mg/l	1.86 mg/l	0.96 mg/l		
Total Dissolved Solids	2/day	528 mg/l	585 mg/l	468 mg/l		
Total Hardness	6/day	139 mg/l	158 mg/l	120 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works October 8, 2018		 Mitch Pinkerton Water Production Manager				

SUMMARY OF WATER QUALITY REPORT
September, 2018

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 8, 2018