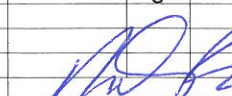


SUBSTANCES FREQUENTLY MONITORED BY						
WEST DES MOINES WATER WORKS						
RAW WATER (BEFORE TREATMENT)						
April 2018						
Substance	Test Frequency	Concentration		Low		
		Average	High			
Calcium Hardness	1/week	256 mg/l	288 mg/l	240 mg/l		
Copper	1/week	0.06 mg/l	0.08 mg/l	0.05 mg/l		
Fluoride	1/week	1.9 mg/l	2.0 mg/l	1.7 mg/l		
Iron	1/week	0.26 mg/l	0.34 mg/l	0.16 mg/l		
Magnesium Hardness	1/week	110 mg/l	128 mg/l	88 mg/l		
Manganese	1/week	0.12 mg/l	0.14 mg/l	0.09 mg/l		
Nitrate as Nitrogen	1/week	0.24 mg/l	0.29 mg/l	0.16 mg/l		
Orthophosphate	1/week	0.10 mg/l	0.12 mg/l	0.08 mg/l		
Phenolphthalein						
Alkalinity as CaCO ₃	1/week	0	0	0		
pH (pH units)	1/week	7.2	7.2	7.2		
Sulfate	1/week	353 mg/l	390 mg/l	310 mg/l		
Temperature	1/week	22 ° C	23 ° C	21 ° C		
Total Alkalinity/CaCO ₃	1/week	274	288	260		
Total Dissolved Solids	1/week	724 mg/l	752 mg/l	697 mg/l		
Total Hardness	1/week	366 mg/l	380 mg/l	338 mg/l		
FINISHED WATER (AFTER TREATMENT)						
(INCLUDES PURCHASED WATER)						
Substance	Test Frequency	Concentration		Low		
		Average	High			
Calcium Hardness	6/day	76 mg/l	102 mg/l	60 mg/l		
Copper	1/week	0.02 mg/l	0.05 mg/l	0.01 mg/l		
Fluoride	1/day	1.2 mg/l	1.3 mg/l	1.1 mg/l		
Free Chlorine *	6/day	1.0 mg/l	1.3 mg/l	0.7 mg/l		
Iron	1/week	0.03 mg/l	0.06 mg/l	0.01 mg/l		
Magnesium Hardness	1/week	66 mg/l	82 mg/l	53 mg/l		
Manganese	1/week	0.008 mg/l	0.009 mg/l	0.006 mg/l		
Nitrate as Nitrogen	1/week	0.52 mg/l	0.65 mg/l	0.4 mg/l		
Orthophosphate	1/week	0.19 mg/l	0.20 mg/l	0.17 mg/l		
Phenolphthalein						
Alkalinity as CaCO ₃	6/day	16	20	10		
pH (pH units)	6/day	9.3	9.6	9.2		
Polyphosphate	1/week	0.16 mg/l	0.21 mg/l	0.08 mg/l		
Sulfate	1/week	335 mg/l	385 mg/l	300 mg/l		
Temperature	1/week	21 ° C	23 ° C	19 ° C		
Total Alkalinity/CaCO ₃	6/day	60	71	53		
Total Chlorine	6/day	1.15 mg/l	1.91 mg/l	0.73 mg/l		
Total Dissolved Solids	2/day	590 mg/l	622 mg/l	553 mg/l		
Total Hardness	6/day	142 mg/l	158 mg/l	128 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works						
May 9, 2018						
 Mitch Pinkerton Water Production Manager						

SUMMARY OF WATER QUALITY REPORT
April, 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.

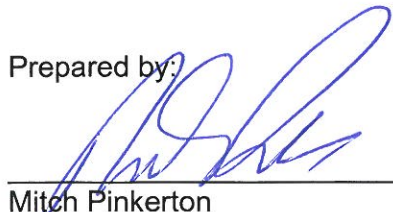
All U.S. Environmental Protection Agency and the Iowa Department of Natural Resources requirements are being met at this time.

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
May 9, 2018