

SUBSTANCES FREQUENTLY MONITORED BY						
WEST DES MOINES WATER WORKS						
RAW WATER (BEFORE TREATMENT)						
		February		2018		
Substance	Test Frequency	Concentration				
		Average	High	Low		
Calcium Hardness	1/week	263 mg/l	278 mg/l	248 mg/l		
Copper	1/week	0.06 mg/l	0.07 mg/l	0.05 mg/l		
Fluoride	1/week	1.7 mg/l	1.9 mg/l	1.6 mg/l		
Iron	1/week	0.15 mg/l	0.21 mg/l	0.10 mg/l		
Magnesium Hardness	1/week	100 mg/l	124 mg/l	72 mg/l		
Manganese	1/week	0.12 mg/l	0.15 mg/l	0.10 mg/l		
Nitrate as Nitrogen	1/week	0.30 mg/l	0.34 mg/l	0.26 mg/l		
Orthophosphate	1/week	0.11 mg/l	0.14 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	330 mg/l	355 mg/l	300 mg/l		
Temperature	1/week	23 ° C	24 ° C	22 ° C		
Total Alkalinity/CaCO3	1/week	281	288	268		
Total Dissolved Solids	1/week	706 mg/l	711 mg/l	694 mg/l		
Total Hardness	1/week	363 mg/l	376 mg/l	350 mg/l		
FINISHED WATER (AFTER TREATMENT)						
(INCLUDES PURCHASED WATER)						
Substance	Test Frequency	Concentration		Low		
		Average	High			
Calcium Hardness	6/day	72 mg/l	92 mg/l	61 mg/l		
Copper	1/week	0.02 mg/l	0.03 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	1.0 mg/l	1.4 mg/l	0.4 mg/l		
Iron	1/week	0.04 mg/l	0.06 mg/l	0.02 mg/l		
Magnesium Hardness	1/week	67 mg/l	90 mg/l	50 mg/l		
Manganese	1/week	0.008 mg/l	0.010 mg/l	0.005 mg/l		
Nitrate as Nitrogen	1/week	0.69 mg/l	0.84 mg/l	0.59 mg/l		
Orthophosphate	1/week	0.2 mg/l	0.3 mg/l	0.2 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	6/day	17	26	13		
pH (pH units)	6/day	9.3	9.5	9.1		
Polyphosphate	1/week	0.16 mg/l	0.25 mg/l	0.08 mg/l		
Sulfate	1/week	314 mg/l	330 mg/l	305 mg/l		
Temperature	1/week	22 ° C	27 ° C	20 ° C		
Total Alkalinity/CaCO3	6/day	63	77	54		
Total Chlorine	6/day	1.15 mg/l	1.94 mg/l	0.52 mg/l		
Total Dissolved Solids	2/day	579 mg/l	617 mg/l	553 mg/l		
Total Hardness	6/day	139 mg/l	156 mg/l	129 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works		Mitch Pinkerton				
March 8, 2018		Water Production Manager				

SUMMARY OF WATER QUALITY REPORT
February, 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.

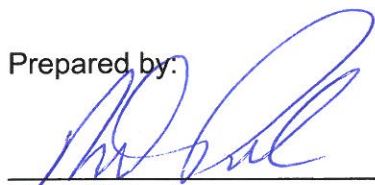
All U.S. Environmental Protection Agency and the Iowa Department of Natural Resources requirements are being met at this time.

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

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March 8, 2018