

SUBSTANCES FREQUENTLY MONITORED BY							
WEST DES MOINES WATER WORKS							
RAW WATER (BEFORE TREATMENT)							
		January		2018			
Substance	Test Frequency	Concentration					
		Average	High	Low			
Calcium Hardness	1/week	252 mg/l	264 mg/l	230 mg/l			
Copper	1/week	0.05 mg/l	0.06 mg/l	0.04 mg/l			
Fluoride	1/week	1.8 mg/l	2.0 mg/l	1.5 mg/l			
Iron	1/week	0.19 mg/l	0.21 mg/l	0.16 mg/l			
Magnesium Hardness	1/week	117 mg/l	132 mg/l	100 mg/l			
Manganese	1/week	0.13 mg/l	0.17 mg/l	0.08 mg/l			
Nitrate as Nitrogen	1/week	0.34 mg/l	0.44 mg/l	0.30 mg/l			
Orthophosphate	1/week	0.14 mg/l	0.19 mg/l	0.11 mg/l			
Phenolphthalein							
Alkalinity as CaCO3	1/week	0	0	0			
pH (pH units)	1/week	7.2	7.3	7.2			
Sulfate	1/week	338 mg/l	365 mg/l	320 mg/l			
Temperature	1/week	22 ° C	23 ° C	22 ° C			
Total Alkalinity/CaCO3	1/week	282	288	278			
Total Dissolved Solids	1/week	696 mg/l	750 mg/l	656 mg/l			
Total Hardness	1/week	369 mg/l	388 mg/l	356 mg/l			
FINISHED WATER (AFTER TREATMENT)							
(INCLUDES PURCHASED WATER)							
Substance	Test Frequency	Concentration					
		Average	High	Low			
Calcium Hardness	6/day	68 mg/l	81 mg/l	59 mg/l			
Copper	1/week	0.01 mg/l	0.02 mg/l	0.01 mg/l			
Fluoride	1/day	1.2 mg/l	1.3 mg/l	1.0 mg/l			
Free Chlorine *	6/day	0.9 mg/l	1.3 mg/l	0.6 mg/l			
Iron	1/week	0.03 mg/l	0.04 mg/l	0.02 mg/l			
Magnesium Hardness	1/week	69 mg/l	87 mg/l	54 mg/l			
Manganese	1/week	0.011 mg/l	0.017 mg/l	0.007 mg/l			
Nitrate as Nitrogen	1/week	0.73 mg/l	0.84 mg/l	0.66 mg/l			
Orthophosphate	1/week	0.2 mg/l	0.2 mg/l	0.1 mg/l			
Phenolphthalein							
Alkalinity as CaCO3	6/day	16	22	12			
pH (pH units)	6/day	9.3	9.5	9.2			
Polyphosphate	1/week	0.15 mg/l	0.19 mg/l	0.07 mg/l			
Sulfate	1/week	295 mg/l	325 mg/l	260 mg/l			
Temperature	1/week	21 ° C	23 ° C	19 ° C			
Total Alkalinity/CaCO3	6/day	64	72	58			
Total Chlorine	6/day	1.10 mg/l	1.45 mg/l	0.69 mg/l			
Total Dissolved Solids	2/day	556 mg/l	617 mg/l	504 mg/l			
Total Hardness	6/day	137 mg/l	151 mg/l	124 mg/l			
* at Water Treatment Plant							
Prepared by West Des Moines Water Works		Mitch Pinkerton					
February 5, 2018		Water Production Manager					

SUMMARY OF WATER QUALITY REPORT
January, 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.

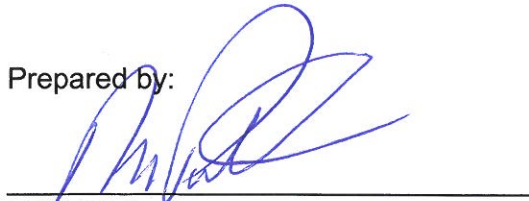
All U.S. Environmental Protection Agency and the Iowa Department of Natural Resources requirements are being met at this time.

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
February 5, 2018