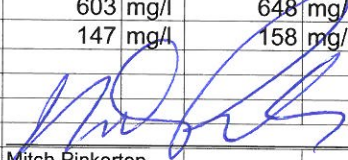


SUBSTANCES FREQUENTLY MONITORED BY							
WEST DES MOINES WATER WORKS							
RAW WATER (BEFORE TREATMENT)							
May				2018			
Substance	Test Frequency	Concentration Average		Concentration High		Concentration Low	
Calcium Hardness	1/week	252	mg/l	256	mg/l	244	mg/l
Copper	1/week	0.07	mg/l	0.09	mg/l	0.05	mg/l
Fluoride	1/week	1.9	mg/l	2.1	mg/l	1.8	mg/l
Iron	1/week	0.32	mg/l	0.36	mg/l	0.26	mg/l
Magnesium Hardness	1/week	104	mg/l	120	mg/l	90	mg/l
Manganese	1/week	0.45	mg/l	1.32	mg/l	0.11	mg/l
Nitrate as Nitrogen	1/week	0.16	mg/l	0.21	mg/l	0.13	mg/l
Orthophosphate	1/week	0.11	mg/l	0.14	mg/l	0.09	mg/l
Phenolphthalein							
Alkalinity as CaCO ₃	1/week	0		0		0	
pH (pH units)	1/week	7.2		7.3		7.2	
Sulfate	1/week	378	mg/l	420	mg/l	340	mg/l
Temperature	1/week	22	° C	23	° C	22	° C
Total Alkalinity/CaCO ₃	1/week	264		270		260	
Total Dissolved Solids	1/week	712	mg/l	730	mg/l	703	mg/l
Total Hardness	1/week	356	mg/l	372	mg/l	342	mg/l
FINISHED WATER (AFTER TREATMENT)							
(INCLUDES PURCHASED WATER)							
Substance	Test Frequency	Concentration Average		Concentration High		Concentration Low	
Calcium Hardness	6/day	86	mg/l	104	mg/l	70	mg/l
Copper	1/week	0.02	mg/l	0.02	mg/l	0.01	mg/l
Fluoride	1/day	2.0	mg/l	1.5	mg/l	1.0	mg/l
Free Chlorine *	6/day	1.1	mg/l	1.4	mg/l	0.8	mg/l
Iron	1/week	0.03	mg/l	0.04	mg/l	0.01	mg/l
Magnesium Hardness	1/week	61	mg/l	73	mg/l	44	mg/l
Manganese	1/week	0.007	mg/l	0.012	mg/l	0.003	mg/l
Nitrate as Nitrogen	1/week	0.48	mg/l	0.56	mg/l	0.40	mg/l
Orthophosphate	1/week	0.19	mg/l	0.20	mg/l	0.18	mg/l
Phenolphthalein							
Alkalinity as CaCO ₃	6/day	15		20		9	
pH (pH units)	6/day	9.3		9.5		9.1	
Polyphosphate	1/week	0.18	mg/l	0.22	mg/l	0.08	mg/l
Sulfate	1/week	328	mg/l	345	mg/l	300	mg/l
Temperature	1/week	22	° C	24	° C	21	° C
Total Alkalinity/CaCO ₃	6/day	58		70		50	
Total Chlorine	6/day	1.26	mg/l	1.88	mg/l	0.89	mg/l
Total Dissolved Solids	2/day	603	mg/l	648	mg/l	563	mg/l
Total Hardness	6/day	147	mg/l	158	mg/l	130	mg/l
* at Water Treatment Plant							

Prepared by West Des Moines Water Works
June 11, 2018


 Mitch Pinkerton
 Water Production Manager

SUMMARY OF WATER QUALITY REPORT
May, 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
June 11, 2018