## SUMMARY OF WATER QUALITY REPORT November, 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

December 7, 2018

	SUBSTAN	ICES FREQ	UENT	LY MONIT	ORE	BY		
		T DES MOII						
		WATER (B	200		27275-2771089			
		Novembe	-	2018				
	Test	Con	centra	ation				
Substance	Frequency	Average	0011410	High		Low		
Calcium Hardness	1/week		mg/l		mg/l		mg/l	
Copper	1/week		mg/l		mg/l		mg/l	
Fluoride	1/week		mg/l		mg/l		mg/l	
Iron	1/week	0.26		0.52		0.14	mg/l	
Magnesium Hardness	1/week		mg/l		mg/l		mg/l	
Manganese	1/week		mg/l	0.19			mg/l	
Nitrate as Nitrogen	1/week	0.13		0.15			mg/l	
Orthophosphate	1/week	0.12		0.23				-
Phenolphtalein	1/WEEK	0.12	mg/l	0.14	mg/l	0.11	mg/l	
Alkalinity as CaCO3	1/week	0		0		0		
pH (pH units)	1/week	7.2		7.2		7.2		
Sulfate			no c: /1			7.2		
	1/week		mg/l	305	mg/l		mg/l	
Temperature	1/week		°C		°C		° C	
Total Alkalinity/CaCO3	1/week	279		282		272		
Total Dissolved Solids	1/week		mg/l		mg/l		mg/l	
Total Hardness	1/week	347	mg/l	388	mg/l	330	mg/l	
		FINISHED WATER (AFTER TREATMENT)						
	(INC	LUDES PUR	RCHA	SED WATE	R)			
	Test	Concentration					,	
<u>Substance</u>	Frequency	Average		High		Low		
Calcium Hardness	6/day	63	mg/l	80	mg/l		mg/l	
Copper	1/week		mg/l		mg/l		mg/l	
Fluoride	1/day		mg/l		mg/l		mg/l	
Free Chlorine *	6/day		mg/l	1.5	mg/l		mg/l	
Iron	1/week		mg/l		mg/l		mg/l	
Magnesium Hardness	1/week		mg/l		mg/l		mg/l	
Manganese	1/week	0.013		0.023		0.009		
Nitrate as Nitrogen	1/week	0.69			mg/l		mg/l	
Orthophosphate	1/week	0.03		0.21	mg/I	0.47	mg/l	
Phenolphtalein	1744001	0.17	mg/I	0.21	mg/I	0.12	my/I	
Alkalinity as CaCO3	6/day	15		20		9		
pH (pH units)	6/day	9.4		9.5		9.2		
Polyphosphate	1/week		mg/l				ma e: /1	
Sulfate	1/week				mg/l		mg/l	
Temperature	1/week		mg/l ° C	205	mg/l ° C	205	mg/l ° C	
Total Alkalinity/CaCO3			U		- 0		- C	
	6/day	64	mm a: /1	72	п	58	,,	
Total Chlorine	6/day	1.11	mg/l	1.80				
Total Dissolved Solids	2/day		mg/l		mg/i		mg/l	0.000
Total Hardness	6/day	128	mg/l	136	mg/l	118	mg/l	
at Water Treatment Plant	1	1	//					
at trater frequincit( Flam	*	1//		11				
Prepared by West Des Moines V	Vater Works	MIM	X	1/C	_			
December 7, 2018		Mitch Pinker			AT 4011			
		Water Produ	ction M	anager				