



EM Johnson Water Plant Monthly Quality Report February, 2020

Parameter	Plant Tap	Primary MCL **	Secondary MCL**
Temperature, °C	11.6		
Color, units	0.5		15
pH, units	8.4		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.22		
Total Alkalinity, mg/l as CaCO ₃	27.4		
Total Hardness, mg/l as CaCO ₃	26.3		
Total Dissolved Solids, mg/l	139		
Specific Conductivity, uS/cm	210		
Iron, mg/l	0.00		0.3
Manganese, mg/l	0.01		0.05
Fluoride, mg/l	0.78		4
Chloride, mg/l	13.5		
Ammonia, mg/l as N	0.54		
Nitrate, mg/l as N	0.17	10	
Silica, mg/l as SiO ₃	8.30		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.025	0.080	

* In 95% of samples collected

**MCL = Maximum Contaminant Level

Certified By:

Vannessa Barnes

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EM Johnson Water Plant Quality Report 2020 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	11.6	11.6											11.6
Color, units	1	0.5											0.8
pH, units	8.4	8.4											8.4
Free Carbon Dioxide, mg/l	0.22	0.22											0.22
Total Alkalinity, mg/l as CaCO ₃	30.8	27.4											29.1
Total Hardness, mg/l as CaCO ₃	27.1	26.3											26.7
Total Dissolved Solids, mg/l	137	139											138
Specific Conductivity, uS/cm	206	210											208
Iron, mg/l	0.01	0.00											0.01
Manganese, mg/l	<0.01	0.01											<0.01
Fluoride, mg/l	0.82	0.78											0.80
Chloride, mg/l	12.6	13.5											13.1
Ammonia, mg/l as N	0.53	0.54											0.5
Nitrate, mg/l as N	0.29	0.17											0.23
Silica, mg/l as SiO ₃	9.40	8.3											8.85
Total Coliform Bacteria*	Absent	Absent											Absent
E. Coli	Absent	Absent											Absent
Total Trihalomethanes, mg/l	0.0145	0.0249											0.0197

* In 95% of samples collected

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