



## EM Johnson Water Plant Monthly Quality Report April, 2020

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	18.5		
Color, units	0.8		<b>15</b>
pH, units	8.4		<b>6.5 - 8.5</b>
Free Carbon Dioxide, mg/l	0.15		
Total Alkalinity, mg/l as CaCO <sub>3</sub>	21.5		
Total Hardness, mg/l as CaCO <sub>3</sub>	21.8		
Total Dissolved Solids, mg/l	117		
Specific Conductivity, uS/cm	175		
Iron, mg/l	<0.10		<b>0.3</b>
Manganese, mg/l	0.01		<b>0.05</b>
Fluoride, mg/l	0.73		<b>4</b>
Chloride, mg/l	10.1		
Ammonia, mg/l as N	0.50		
Nitrate, mg/l as N	0.10	<b>10</b>	
Silica, mg/l as SiO <sub>3</sub>	8.10		
Total Coliform Bacteria*	Absent	<b>0</b>	
E. Coli	Absent	<b>0</b>	
Total Trihalomethanes, mg/l	0.020	<b>0.080</b>	

\* In 95% of samples collected

\*\*MCL = Maximum Contaminant Level

\*\*\*Chlorine Burnout, no ammonia added

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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	14.1	18.5									14.0
Color, units	1	0.5	0.2	0.8									0.6
pH, units	8.4	8.4	8.4	8.4									8.4
Free Carbon Dioxide, mg/l	0.22	0.22	0.18	0.15									0.19
Total Alkalinity, mg/l as CaCO <sub>3</sub>	30.8	27.4	23.6	21.5									25.8
Total Hardness, mg/l as CaCO <sub>3</sub>	27.1	26.3	20.8	21.8									24.0
Total Dissolved Solids, mg/l	137	139	126	117									130
Specific Conductivity, uS/cm	206	210	192	175									196
Iron, mg/l	0.01	0.00	<0.10	<0.10									0.01
Manganese, mg/l	<0.01	0.01	0.01	0.01									<0.01
Fluoride, mg/l	0.82	0.78	0.78	0.73									0.78
Chloride, mg/l	12.6	13.5	10.5	10.1									11.7
Ammonia, mg/l as N	0.53	0.54	***	0.50									0.5
Nitrate, mg/l as N	0.29	0.17	<0.10	0.10									0.19
Silica, mg/l as SiO <sub>3</sub>	9.40	8.3	8.90	8.10									8.68
Total Coliform Bacteria*	Absent	Absent	Absent	Absent									Absent
E. Coli	Absent	Absent	Absent	Absent									Absent
Total Trihalomethanes, mg/l	0.0145	0.0249	0.0096	0.0200									0.0173

\* In 95% of samples collected

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