



EM Johnson Water Plant Monthly Quality Report January, 2020

Parameter	Plant Tap	Primary	Secondary
		MCL **	MCL**
Temperature, °C	11.6		
Color, units	1		15
pH, units	8.4		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.22		
Total Alkalinity, mg/l as CaCO ₃	30.8		
Total Hardness, mg/l as CaCO ₃	27.1		
Total Dissolved Solids, mg/l	137		
Specific Conductivity, uS/cm	206		
Iron, mg/l	0.01		0.30
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.82		4.0
Chloride, mg/l	12.6		
Ammonia, mg/l as N	0.53		
Nitrate, mg/l as N	0.29	10	
Silica, mg/l as SiO ₃	9.40		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.0145	0.080	

* In 95% of samples collected

**MCL = Maximum Contaminant Level

Certified By: Vannessa Barnes

Vannessa Barnes, Laboratory Scientist Supervisor

NC Lab ID Number 37604

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
Color, units	1												1.0
pH, units	8.4												8.4
Free Carbon Dioxide, mg/l	0.22												0.22
Total Alkalinity, mg/l as CaCO ₃	30.8												30.8
Total Hardness, mg/l as CaCO ₃	27.1												27.1
Total Dissolved Solids, mg/l	137												137
Specific Conductivity, uS/cm	206												206
Iron, mg/l	0.01												0.01
Manganese, mg/l	<0.01												<0.01
Fluoride, mg/l	0.82												0.82
Chloride, mg/l	12.6												12.6
Ammonia, mg/l as N	0.53												0.5
Nitrate, mg/l as N	0.29												0.29
Silica, mg/l as SiO ₃	9.40												9.40
Total Coliform Bacteria*	Absent												Absent
E. Coli	Absent												Absent
Total Trihalomethanes, mg/l	0.0145												0.0145

* In 95% of samples collected

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