



EM Johnson WTP Monthly Water Quality Report March 2021

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	12.1		
Color, units	0.8		15
pH, units	8.4		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.15		
Total Alkalinity, mg/l as CaCO ₃	20.7		
Total Hardness, mg/l as CaCO ₃	19.8		
Total Dissolved Solids, mg/l	92		
Specific Conductivity, uS/cm	187		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.68		4
Chloride, mg/l	8.7		
Ammonia, mg/l as N	***		
Nitrate, mg/l as N	0.29	10	
Silica, mg/l as SiO ₃	8.60		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.0049	0.080	

* In 95% of samples collected

**MCL = Maximum Contaminant Level

***Chlorine Burnout, no ammonia added

Certified By: Vannessa Barnes

Vannessa Barnes, Laboratory Scientist Supervisor

NC Lab ID Number 37604

*Raleigh Water: Serving the people of Garner, Knightdale, Raleigh, Rolesville,
Wake Forest, Wendell, and Zebulon areas.*

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EM Johnson WTP Water Quality Report 2021 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	9.1	10.2	12.1										10.5
Color, units	0.5	0.8	0.8										0.7
pH, units	8.5	8.5	8.4										8.5
Free Carbon Dioxide, mg/l	0.14	0.14	0.15										0.14
Total Alkalinity, mg/l as CaCO ₃	20.9	19.9	20.7										20.5
Total Hardness, mg/l as CaCO ₃	21	22	19.8										20.9
Total Dissolved Solids, mg/l	123	127	92										114
Specific Conductivity, uS/cm	186	191	187										188
Iron, mg/l	<0.10	<0.10	<0.10										<0.10
Manganese, mg/l	<0.01	<0.01	<0.01										<0.01
Fluoride, mg/l	0.57	0.67	0.68										0.64
Chloride, mg/l	10.2	9.0	8.7										9.3
Ammonia, mg/l as N	0.56	0.58	***										0.6
Nitrate, mg/l as N	0.24	0.29	0.29										0.27
Silica, mg/l as SiO ₃	8.60	8.4	8.60										8.53
Total Coliform Bacteria	Absent	Absent	Absent										Absent
E. Coli	Absent	Absent	Absent										Absent
Total Trihalomethanes, mg/l	0.0046	0.0048	0.0049										0.0048

***Chlorine Burnout, no ammonia added

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