



## EM Johnson WTP Monthly Water Quality Report May 2021

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	20.8		
Color, units	1.5		15
pH, units	8.4		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.18		
Total Alkalinity, mg/l as CaCO <sub>3</sub>	23.7		
Total Hardness, mg/l as CaCO <sub>3</sub>	24.2		
Total Dissolved Solids, mg/l	89		
Specific Conductivity, uS/cm	187		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.70		4
Chloride, mg/l	10.5		
Ammonia, mg/l as N	0.51		
Nitrate, mg/l as N	0.08	10	
Silica, mg/l as SiO <sub>3</sub>	7.1		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.0115	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

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

One Exchange Plaza Building | 1 Exchange Plaza | Suite 600 | Raleigh, North Carolina 27601  
City of Raleigh (mailing address) | Post Office Box 590 | Raleigh, North Carolina 27602-0590

## 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	16.7	20.8								13.8
Color, units	0.5	0.8	0.8	0	1.5								0.7
pH, units	8.5	8.5	8.4	8.4	8.4								8.4
Free Carbon Dioxide, mg/l	0.14	0.14	0.15	0.16	0.18								0.15
Total Alkalinity, mg/l as CaCO <sub>3</sub>	20.9	19.9	20.7	21.1	23.7								21.3
Total Hardness, mg/l as CaCO <sub>3</sub>	21	22	19.8	21.4	24.2								21.7
Total Dissolved Solids, mg/l	123	127	92	89	89								104
Specific Conductivity, uS/cm	186	191	187	181	187								186
Iron, mg/l	<0.10	<0.10	<0.10	<0.10	<0.10								<0.10
Manganese, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01								<0.01
Fluoride, mg/l	0.57	0.67	0.68	0.68	0.70								0.66
Chloride, mg/l	10.2	9.0	8.7	7.9	10.5								9.3
Ammonia, mg/l as N	0.56	0.58	***	0.47	0.51								0.5
Nitrate, mg/l as N	0.24	0.29	0.29	0.11	0.08								0.20
Silica, mg/l as SiO <sub>3</sub>	8.60	8.4	8.60	8.00	7.10								8.14
Total Coliform Bacteria	Absent	Absent	Absent	Absent	Absent								Absent
E. Coli	Absent	Absent	Absent	Absent	Absent								Absent
Total Trihalomethanes, mg/l	0.0046	0.0048	0.0049	0.0119	0.0115								0.0075

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

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