



## EM Johnson WTP Monthly Finished Water Quality Report May 2023

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	21.8		
Color, units	0.0		<b>15</b>
pH, units	8.4		<b>6.5 - 8.5</b>
Free Carbon Dioxide, mg/l	0.23		
Total Alkalinity, mg/l as CaCO <sub>3</sub>	26.6		
Total Hardness, mg/l as CaCO <sub>3</sub>	25.3		
Total Dissolved Solids, mg/l	94		<b>500</b>
Specific Conductivity, uS/cm	192		
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>	<b>2</b>
Chloride, mg/l	11.2		<b>250</b>
Ammonia, mg/l as N	0.55		
Nitrate, mg/l as N	0.04	<b>10</b>	
Silica, mg/l as SiO <sub>3</sub>	5.4		
Total Coliform Bacteria*	Absent	<b>0</b>	
E. Coli	Absent	<b>0</b>	
Total Trihalomethanes, mg/l	0.013	<b>0.080</b>	

\* In 95% of samples collected

\*\*MCL = Maximum Contaminant Level

Certified By: Martesa Webb

Martesa Webb, 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.*

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## EM Johnson WTP Finished Water Quality Report 2023 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	10.1	11.8	14.7	18.8	21.8								15.4
Color, units	0.0	1.0	0.5	0.0	0.0								0.3
pH, units	8.4	8.4	8.4	8.4	8.4								8.4
Free Carbon Dioxide, mg/l	0.24	0.24	0.23	0.20	0.23								0.23
Total Alkalinity, mg/l as CaCO <sub>3</sub>	30.0	30.7	28.6	26.3	26.6								28.4
Total Hardness, mg/l as CaCO <sub>3</sub>	27.8	29.3	28.9	28.9	25.3								28.0
Total Dissolved Solids, mg/l	103	109	104	99	94								102
Specific Conductivity, uS/cm	210	223	213	203	192								208
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	0.73	0.74	0.74	0.70	0.73								0.73
Chloride, mg/l	15.0	14.9	14.5	12.7	11.2								13.7
Ammonia, mg/l as N	0.52	0.47	***	0.39	0.55								0.5
Nitrate, mg/l as N	0.23	0.13	0.11	0.07	0.04								0.12
Silica, mg/l as SiO <sub>3</sub>	8.30	7.80	7.90	6.00	5.40								7.08
Total Coliform Bacteria	Absent	Absent	Absent	Absent	Absent								Absent
E. Coli	Absent	Absent	Absent	Absent	Absent								Absent
Total Trihalomethanes, mg/l	0.013	0.0057	0.0296	0.0196	0.0130								0.0162

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

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