



## EM Johnson WTP Monthly Finished Water Quality Report February 2024

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	10.3		
Color, units	0.0		<b>15</b>
pH, units	8.5		<b>6.5 - 8.5</b>
Free Carbon Dioxide, mg/l	0.13		
Total Alkalinity, mg/l as CaCO <sub>3</sub>	19.5		
Total Hardness, mg/l as CaCO <sub>3</sub>	22.8		
Total Dissolved Solids, mg/l	101		<b>500</b>
Specific Conductivity, uS/cm	207		
Iron, mg/l	<0.10		<b>0.3</b>
Manganese, mg/l	<0.01		<b>0.05</b>
Fluoride, mg/l	0.07	<b>4</b>	<b>2</b>
Chloride, mg/l	9.9		<b>250</b>
Ammonia, mg/l as N	0.61		
Nitrate, mg/l as N	0.23	<b>10</b>	
Silica, mg/l as SiO <sub>3</sub>	6.9		
Total Coliform Bacteria*	Absent	<b>0</b>	
E. Coli	Absent	<b>0</b>	
Total Trihalomethanes, mg/l	0.0063	<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

---

*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 Finished Water Quality Report 2024 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	9.8	10.3											10.1
Color, units	0.8	0.0											0.4
pH, units	8.4	8.5											8.5
Free Carbon Dioxide, mg/l	0.2	0.13											0.17
Total Alkalinity, mg/l as CaCO <sub>3</sub>	26.3	19.5											22.9
Total Hardness, mg/l as CaCO <sub>3</sub>	26	22.8											24.4
Total Dissolved Solids, mg/l	98	101											100
Specific Conductivity, uS/cm	204	207											206
Iron, mg/l	<0.10	<0.10											<0.10
Manganese, mg/l	<0.01	<0.01											<0.01
Fluoride, mg/l	0.08	0.07											0.08
Chloride, mg/l	12.6	9.9											11.3
Ammonia, mg/l as N	0.53	0.61											0.6
Nitrate, mg/l as N	0.28	0.23											0.26
Silica, mg/l as SiO <sub>3</sub>	7.40	6.90											7.15
Total Coliform Bacteria	Absent	Absent											Absent
E. Coli	Absent	Absent											Absent
Total Trihalomethanes, mg/l	0.018	0.0063											0.0122

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

Certified By: Martesa Webb

Martesa Webb, Laboratory Scientist Supervisor

NC Lab ID Number 37604