



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

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	25.7		
Color, units	0.0		<b>15</b>
pH, units	8.4		<b>6.5 - 8.5</b>
Free Carbon Dioxide, mg/l	0.18		
Total Alkalinity, mg/l as CaCO <sub>3</sub>	22.8		
Total Hardness, mg/l as CaCO <sub>3</sub>	29.1		
Specific Conductivity, uS/cm	190		
Iron, mg/l	<0.10		<b>0.3</b>
Manganese, mg/l	<0.01		<b>0.05</b>
Fluoride, mg/l	0.12	<b>4</b>	<b>2</b>
Chloride, mg/l	13.5		<b>250</b>
Ammonia, mg/l as N	0.49		
Nitrate, mg/l as N	0.08	<b>10</b>	
Silica, mg/l as SiO <sub>3</sub>	5.1		
Total Coliform Bacteria*	Absent	<b>0</b>	
E. Coli	Absent	<b>0</b>	
Total Trihalomethanes, mg/l	0.015	<b>0.080</b>	

\* In 95% of samples collected

\*\*MCL = Maximum Contaminant Level

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

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 2024 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	9.8	10.3	16.4	19.1	25.7								<b>16.3</b>
Color, units	0.8	0.0	0.0	0.4	0.0								<b>0.2</b>
pH, units	8.4	8.5	8.4	8.4	8.4								<b>8.4</b>
Free Carbon Dioxide, mg/l	0.2	0.13	0.18	0.17	0.18								<b>0.17</b>
Total Alkalinity, mg/l as CaCO <sub>3</sub>	26.3	19.5	21.9	21.4	22.8								<b>22.4</b>
Total Hardness, mg/l as CaCO <sub>3</sub>	26	22.8	22.4	23.3	29.1								<b>24.7</b>
Specific Conductivity, uS/cm	204	207	202	196	190								<b>200</b>
Iron, mg/l	<0.10	<0.10	<0.10	<0.10	<0.10								<b>&lt;0.10</b>
Manganese, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01								<b>&lt;0.01</b>
Fluoride, mg/l	0.08	0.07	0.07	0.07	0.12								<b>0.08</b>
Chloride, mg/l	12.6	9.9	10.0	10.5	13.5								<b>11.3</b>
Ammonia, mg/l as N	0.53	0.61	***	0.46	0.49								<b>0.5</b>
Nitrate, mg/l as N	0.28	0.23	0.24	0.17	0.08								<b>0.20</b>
Silica, mg/l as SiO <sub>3</sub>	7.40	6.90	6.80	6.30	5.10								<b>6.50</b>
Total Coliform Bacteria	Absent	Absent	Absent	Absent	Absent								<b>Absent</b>
E. Coli	Absent	Absent	Absent	Absent	Absent								<b>Absent</b>
Total Trihalomethanes, mg/l	0.018	0.0063	0.0220	0.0270	0.0150								<b>0.0177</b>

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

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