



EM Johnson WTP Monthly Finished Water Quality Report January 2025

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	12.2		
Color, units	1.25		15
pH, units	8.42		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.17		
Total Alkalinity, mg/l as CaCO ₃	21.3		
Total Hardness, mg/l as CaCO ₃	22.8		
Specific Conductivity, uS/cm	176		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.62	4	2
Chloride, mg/l	9.95		250
Ammonia, mg/l as N	0.63		
Nitrate, mg/l as N	0.221	10	
Silica, mg/l as SiO ₃	9.58		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.011	0.080	

* 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

*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 2025 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	12.2												12.2
Color, units	1.3												1.3
pH, units	8.4												8.4
Free Carbon Dioxide, mg/l	0.17												0.17
Total Alkalinity, mg/l as CaCO ₃	21.3												21.3
Total Hardness, mg/l as CaCO ₃	22.8												22.8
Specific Conductivity, uS/cm	176												176
Iron, mg/l	<0.10												<0.10
Manganese, mg/l	<0.01												<0.01
Fluoride, mg/l	0.62												0.62
Chloride, mg/l	10.0												10.0
Ammonia, mg/l as N	0.63												0.63
Nitrate, mg/l as N	0.22												0.22
Silica, mg/l as SiO ₃	9.58												9.58
Total Coliform Bacteria	Absent												Absent
E. Coli	Absent												Absent
Total Trihalomethanes, mg/l	0.011												0.011

***Chlorine Burnout, no ammonia added

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