



EM Johnson WTP Monthly Finished Water Quality Report March 2025

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	17.2		
Color, units	0.0		15
pH, units	8.34		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.23		
Total Alkalinity, mg/l as CaCO ₃	24.7		
Total Hardness, mg/l as CaCO ₃	25.7		
Specific Conductivity, uS/cm	194.1		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.73	4	2
Chloride, mg/l	13.0		250
Ammonia, mg/l as N	***		
Nitrate, mg/l as N	0.146	10	
Silica, mg/l as SiO ₃	7.30		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.010	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	14.0	17.2										14.5
Color, units	1.3	0.0	0.0										0.4
pH, units	8.4	8.4	8.3										8.4
Free Carbon Dioxide, mg/l	0.17	0.17	0.23										0.19
Total Alkalinity, mg/l as CaCO ₃	21.3	21.0	24.7										22.3
Total Hardness, mg/l as CaCO ₃	22.8	23.4	25.7										24.0
Specific Conductivity, uS/cm	176	176.5	194.1										182
Iron, mg/l	<0.10	<0.10	<0.10										<0.10
Manganese, mg/l	<0.01	<0.01	<0.01										<0.01
Fluoride, mg/l	0.62	0.42	0.73										0.59
Chloride, mg/l	10.0	10.2	13.0										11.1
Ammonia, mg/l as N	0.63	0.50	***										0.57
Nitrate, mg/l as N	0.22	0.22	0.15										0.19
Silica, mg/l as SiO ₃	9.58	7.90	7.30										8.26
Total Coliform Bacteria	Absent	Absent	Absent										Absent
E. Coli	Absent	Absent	Absent										Absent
Total Trihalomethanes, mg/l	0.011	0.013	0.010										0.011

***Chlorine Burnout, no ammonia added

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