



## EM Johnson WTP Monthly Finished Water Quality Report June 2025

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	28.9		
Color, units	0.0		15
pH, units	8.38		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.23		
Total Alkalinity, mg/l as CaCO <sub>3</sub>	26.7		
Total Hardness, mg/l as CaCO <sub>3</sub>	30.2		
Specific Conductivity, uS/cm	192		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.69	4	2
Chloride, mg/l	14.7		250
Ammonia, mg/l as N	0.44		
Nitrate, mg/l as N	0.048	10	
Silica, mg/l as SiO <sub>3</sub>	5.0		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.016	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

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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 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	22.9	26.2	28.9							20.2
Color, units	1.3	0.0	0.0	0.6	0.0	0.0							0.3
pH, units	8.4	8.4	8.3	8.4	8.4	8.38							8.4
Free Carbon Dioxide, mg/l	0.17	0.17	0.23	0.20	0.2	0.23							0.20
Total Alkalinity, mg/l as CaCO <sub>3</sub>	21.3	21.0	24.7	24.2	24.0	26.7							23.7
Total Hardness, mg/l as CaCO <sub>3</sub>	22.8	23.4	25.7	25.1	28.1	30.2							25.9
Specific Conductivity, uS/cm	176	176.5	194.1	192	182	192							185
Iron, mg/l	<0.10	<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							<0.01
Fluoride, mg/l	0.62	0.42	0.73	0.74	0.67	0.69							0.65
Chloride, mg/l	10.0	10.2	13.0	13.7	14.2	14.7							12.6
Ammonia, mg/l as N	0.63	0.50	***	0.59	0.42	0.44							0.52
Nitrate, mg/l as N	0.22	0.22	0.15	0.05	0.06	0.048							0.12
Silica, mg/l as SiO <sub>3</sub>	9.58	7.90	7.30	6.60	5.50	5.0							6.98
Total Coliform Bacteria	Absent	Absent	Absent	Absent	Absent	Absent							Absent
E. Coli	Absent	Absent	Absent	Absent	Absent	Absent							Absent
Total Trihalomethanes, mg/l	0.011	0.013	0.010	0.011	0.011	0.016							0.012

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

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