



EM Johnson WTP Monthly Finished Water Quality Report June 2026

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	28.7		
Color, units	0.0		15
pH, units	8.32		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.27		
Total Alkalinity, mg/l as CaCO ₃	27.4		
Total Hardness, mg/l as CaCO ₃	29.2		
Specific Conductivity, uS/cm	209		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.54	4	2
Chloride, mg/l	16.9		250
Ammonia, mg/l as N	0.525		
Nitrate, mg/l as N	0.05	10	
Silica, mg/l as SiO ₃	2.78		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.025	0.080	

* In 95% of samples collected

**MCL = Maximum Contaminant Level

Certified By: Martesa Webb

Martesa Webb, Laboratory Manager

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 2026 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	13.3	9.0	12.3	16.5	19.5	28.7							16.5
Color, units	0.50	2.0	0.0	0.0	0.3	0.0							0.5
pH, units	8.36	8.33	8.4	8.3	8.3	8.3							8.3
Free Carbon Dioxide, mg/l	0.19	0.2	0.20	0.22	0.24	0.27							0.22
Total Alkalinity, mg/l as CaCO ₃	21.5	20.2	22.4	23.8	25.7	27.4							23.5
Total Hardness, mg/l as CaCO ₃	22.0	23.6	23.5	25.3	27.5	29.2							25.2
Specific Conductivity, uS/cm	170	168	173	182	192	209							182
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	0.65	0.64	0.65	0.66	0.67	0.54							0.64
Chloride, mg/l	9.84	10.2	11.2	12.1	14.2	16.9							12.4
Ammonia, mg/l as N	0.49	0.43	0.05***	0.64	0.49	0.53							0.51
Nitrate, mg/l as N	0.20	0.14	0.15	0.10	0.09	0.05							0.12
Silica, mg/l as SiO ₃	9.40	8.76	7.80	5.15	3.45	2.78							6.22
Total Coliform Bacteria	Absent	Absent	Absent	Absent	Absent	Absent							Absent
E. Coli	Absent	Absent	Absent	Absent	Absent	Absent							Absent
Total Trihalomethanes, mg/l	0.0156	0.0112	0.011	0.013	0.016	0.025							0.015

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