



EM Johnson WTP Monthly Finished Water Quality Report September 2026

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	28.1		
Color, units	0.60		15
pH, units	8.35		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.29		
Total Alkalinity, mg/l as CaCO ₃	31.5		
Total Hardness, mg/l as CaCO ₃	32.2		
Specific Conductivity, uS/cm	228		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.05		0.05
Fluoride, mg/l	0.57	4	2
Chloride, mg/l	12.9		250
Ammonia, mg/l as N	0.51		
Nitrate, mg/l as N	0.09	10	
Silica, mg/l as SiO ₂	4.72		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.035	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	8.97	12.3	16.5	19.5	28.7	30.4	30.0	28.1				20.9
Color, units	0.50	2.0	0.0	0.0	0.3	0.0	0.0	1.0	0.6				0.5
pH, units	8.36	8.33	8.4	8.3	8.3	8.3	8.4	8.4	8.4				8.3
Free Carbon Dioxide, mg/l	0.19	0.2	0.20	0.22	0.24	0.27	0.27	0.27	0.29				0.24
Total Alkalinity, mg/l as CaCO ₃	21.5	20.2	22.4	23.8	25.7	27.4	30.2	31.3	31.5				26.0
Total Hardness, mg/l as CaCO ₃	22.0	23.6	23.5	25.3	27.5	29.2	29.7	31.2	32.2				27.1
Specific Conductivity, uS/cm	170	168	173	182	192	209	221	220	228				196
Iron, mg/l	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				<0.10
Manganese, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				<0.05
Fluoride, mg/l	0.65	0.64	0.65	0.66	0.67	0.54	0.54	0.52	0.57				0.60
Chloride, mg/l	9.84	10.2	11.2	12.1	14.2	16.9	19.8	20.2	12.9				14.1
Ammonia, mg/l as N	0.49	0.43	0.05***	0.64	0.49	0.53	0.56	0.52	0.51				0.52
Nitrate, mg/l as N	0.20	0.14	0.15	0.10	0.09	0.05	0.09	0.09	0.09				0.11
Silica, mg/l as SiO ₂	9.40	8.76	7.80	5.15	3.45	2.78	2.99	4.40	4.72				5.49
Total Coliform Bacteria	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent				Absent
E. Coli	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent				Absent
Total Trihalomethanes, mg/l	0.0156	0.0112	0.011	0.013	0.016	0.025	0.029	0.032	0.035				0.021

Certified By: Martesa Webb

Martesa Webb, Laboratory Manager

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