



EM Johnson WTP Monthly Finished Water Quality Report December 2025

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	14.7		
Color, units	0.60		15
pH, units	8.34		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.22		
Total Alkalinity, mg/l as CaCO ₃	23.3		
Total Hardness, mg/l as CaCO ₃	24.0		
Specific Conductivity, uS/cm	178		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.66	4	2
Chloride, mg/l	9.85		250
Ammonia, mg/l as N	0.53		
Nitrate, mg/l as N	0.154	10	
Silica, mg/l as SiO ₃	9.5		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.017	0.080	

* In 95% of samples collected

**MCL = Maximum Contaminant Level

***Chlorine Burnout, no ammonia added

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 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	30.8	28.7	26.9	23.7	19.3	14.7	22.1
Color, units	1.3	0.0	0.0	0.6	0.0	0.0	1.4	0.0	0.0	1.8	1.0	0.6	0.6
pH, units	8.4	8.4	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.34	8.4
Free Carbon Dioxide, mg/l	0.17	0.17	0.23	0.20	0.20	0.23	0.21	0.21	0.20	0.21	0.21	0.22	0.21
Total Alkalinity, mg/l as CaCO ₃	21.3	21.0	24.7	24.2	24.0	26.7	26.9	23.7	23.5	24.9	23.9	23.3	24.0
Total Hardness, mg/l as CaCO ₃	22.8	23.4	25.7	25.1	28.1	30.2	30.5	23.5	24.6	24.1	23.9	24	25.5
Specific Conductivity, uS/cm	176	176.5	194.1	192	182	192	190	167	165	167	160	178	178
Iron, mg/l	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<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	<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	0.66	0.70	0.77	0.71	0.78	0.66	0.68
Chloride, mg/l	10.0	10.2	13.0	13.7	14.2	14.7	14.1	10.7	10.4	10.8	10.4	9.85	11.8
Ammonia, mg/l as N	0.63	0.50	***	0.59	0.42	0.44	0.65	0.43	0.52	0.42	0.47	0.53	0.51
Nitrate, mg/l as N	0.22	0.22	0.15	0.05	0.06	0.05	0.06	0.099	0.05	0.09	0.11	0.154	0.11
Silica, mg/l as SiO ₃	9.58	7.90	7.30	6.60	5.50	5.00	6.70	7.70	8.79	9.10	8.90	9.50	7.71
Total Coliform Bacteria	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
E. Coli	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Total Trihalomethanes, mg/l	0.011	0.013	0.010	0.011	0.011	0.016	0.029	0.027	0.023	0.027	0.027	0.017	0.019

***Chlorine Burnout, no ammonia added

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