



EM Johnson WTP Monthly Finished Water Quality Report April 2024

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	19.1		
Color, units	0.4		15
pH, units	8.4		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.17		
Total Alkalinity, mg/l as CaCO ₃	21.4		
Total Hardness, mg/l as CaCO ₃	23.3		
Specific Conductivity, uS/cm	196		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.07	4	2
Chloride, mg/l	10.5		250
Ammonia, mg/l as N	0.46		
Nitrate, mg/l as N	0.17	10	
Silica, mg/l as SiO ₃	6.3		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.027	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 2024 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	9.8	10.3	16.4	19.1									13.9
Color, units	0.8	0.0	0.0	0.4									0.3
pH, units	8.4	8.5	8.4	8.4									8.4
Free Carbon Dioxide, mg/l	0.2	0.13	0.18	0.17									0.17
Total Alkalinity, mg/l as CaCO ₃	26.3	19.5	21.9	21.4									22.3
Total Hardness, mg/l as CaCO ₃	26	22.8	22.4	23.3									23.6
Specific Conductivity, uS/cm	204	207	202	196									202
Iron, mg/l	<0.10	<0.10	<0.10	<0.10									<0.10
Manganese, mg/l	<0.01	<0.01	<0.01	<0.01									<0.01
Fluoride, mg/l	0.08	0.07	0.07	0.07									0.07
Chloride, mg/l	12.6	9.9	10.0	10.5									10.8
Ammonia, mg/l as N	0.53	0.61	***	0.46									0.5
Nitrate, mg/l as N	0.28	0.23	0.24	0.17									0.23
Silica, mg/l as SiO ₃	7.40	6.90	6.80	6.30									6.85
Total Coliform Bacteria	Absent	Absent	Absent	Absent									Absent
E. Coli	Absent	Absent	Absent	Absent									Absent
Total Trihalomethanes, mg/l	0.018	0.0063	0.0220	0.0270									0.0183

***Chlorine Burnout, no ammonia added

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