



EM Johnson WTP Monthly Finished Water Quality Report February 2023

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	11.8		
Color, units	1.0		15
pH, units	8.4		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.24		
Total Alkalinity, mg/l as CaCO ₃	30.7		
Total Hardness, mg/l as CaCO ₃	29.3		
Total Dissolved Solids, mg/l	109		500
Specific Conductivity, uS/cm	223		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.74	4	2
Chloride, mg/l	14.9		250
Ammonia, mg/l as N	0.47		
Nitrate, mg/l as N	0.13	10	
Silica, mg/l as SiO ₃	7.80		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.0057	0.080	

* In 95% of samples collected

**MCL = Maximum Contaminant Level

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 2023 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	10.1	11.8											11.0
Color, units	0.0	1.0											0.5
pH, units	8.4	8.4											8.4
Free Carbon Dioxide, mg/l	0.24	0.24											0.24
Total Alkalinity, mg/l as CaCO ₃	30.0	30.7											30.4
Total Hardness, mg/l as CaCO ₃	27.8	29.3											28.6
Total Dissolved Solids, mg/l	103	109											106
Specific Conductivity, uS/cm	210	223											217
Iron, mg/l	<0.10	<0.10											<0.10
Manganese, mg/l	<0.01	<0.01											<0.01
Fluoride, mg/l	0.73	0.74											0.74
Chloride, mg/l	15.0	14.9											15.0
Ammonia, mg/l as N	0.52	0.47											0.5
Nitrate, mg/l as N	0.23	0.13											0.18
Silica, mg/l as SiO ₃	8.30	7.80											8.05
Total Coliform Bacteria	Absent	Absent											Absent
E. Coli	Absent	Absent											Absent
Total Trihalomethanes, mg/l	0.013	0.0057											0.0094

***Chlorine Burnout, no ammonia added

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