



EM Johnson WTP Monthly Finished Water Quality Report March 2024

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	16.4		
Color, units	0.0		15
pH, units	8.4		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.18		
Total Alkalinity, mg/l as CaCO ₃	21.9		
Total Hardness, mg/l as CaCO ₃	22.4		
Total Dissolved Solids, mg/l	99		500
Specific Conductivity, uS/cm	202		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.07	4	2
Chloride, mg/l	10.0		250
Ammonia, mg/l as N	***		
Nitrate, mg/l as N	0.24	10	
Silica, mg/l as SiO ₃	6.8		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.022	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										12.2
Color, units	0.8	0.0	0.0										0.3
pH, units	8.4	8.5	8.4										8.4
Free Carbon Dioxide, mg/l	0.2	0.13	0.18										0.17
Total Alkalinity, mg/l as CaCO ₃	26.3	19.5	21.9										22.6
Total Hardness, mg/l as CaCO ₃	26	22.8	22.4										23.7
Total Dissolved Solids, mg/l	98	101	99										99
Specific Conductivity, uS/cm	204	207	202										204
Iron, mg/l	<0.10	<0.10	<0.10										<0.10
Manganese, mg/l	<0.01	<0.01	<0.01										<0.01
Fluoride, mg/l	0.08	0.07	0.07										0.07
Chloride, mg/l	12.6	9.9	10.0										10.8
Ammonia, mg/l as N	0.53	0.61	***										0.6
Nitrate, mg/l as N	0.28	0.23	0.24										0.25
Silica, mg/l as SiO ₃	7.40	6.90	6.80										7.03
Total Coliform Bacteria	Absent	Absent	Absent										Absent
E. Coli	Absent	Absent	Absent										Absent
Total Trihalomethanes, mg/l	0.018	0.0063	0.0220										0.0154

***Chlorine Burnout, no ammonia added

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