



EM Johnson WTP Monthly Finished Water Quality Report June 2024

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	27.7		
Color, units	0.0		15
pH, units	8.4		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.22		
Total Alkalinity, mg/l as CaCO ₃	24.9		
Total Hardness, mg/l as CaCO ₃	27.2		
Specific Conductivity, uS/cm	183		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.13	4	2
Chloride, mg/l	9.8		250
Ammonia, mg/l as N	0.40		
Nitrate, mg/l as N	<0.10	10	
Silica, mg/l as SiO ₃	10.5		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.020	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	25.7	27.7							18.2
Color, units	0.8	0.0	0.0	0.4	0.0	0.0							0.2
pH, units	8.4	8.5	8.4	8.4	8.4	8.4							8.4
Free Carbon Dioxide, mg/l	0.2	0.13	0.18	0.17	0.18	0.22							0.18
Total Alkalinity, mg/l as CaCO ₃	26.3	19.5	21.9	21.4	22.8	24.9							22.8
Total Hardness, mg/l as CaCO ₃	26	22.8	22.4	23.3	29.1	27.2							25.1
Specific Conductivity, uS/cm	204	207	202	196	190	183							197
Iron, mg/l	<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
Fluoride, mg/l	0.08	0.07	0.07	0.07	0.12	0.13							0.09
Chloride, mg/l	12.6	9.9	10.0	10.5	13.5	9.8							11.1
Ammonia, mg/l as N	0.53	0.61	***	0.46	0.49	0.4							0.5
Nitrate, mg/l as N	0.28	0.23	0.24	0.17	0.08	<0.10							0.20
Silica, mg/l as SiO ₃	7.40	6.90	6.80	6.30	5.10	10.50							7.17
Total Coliform Bacteria	Absent	Absent	Absent	Absent	Absent	Absent							Absent
E. Coli	Absent	Absent	Absent	Absent	Absent	Absent							Absent
Total Trihalomethanes, mg/l	0.018	0.0063	0.0220	0.0270	0.0150	0.02							0.0181

***Chlorine Burnout, no ammonia added

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