EM Johnson WTP Monthly Finished Water Quality Report
February 2025

Parameter	Plant Tap	Primary MCL **	Secondary MCL**
Temperature, °C	14.0		
Color, units	0.0		**15**
pH, units	8.40		**6.5 - 8.5**
Free Carbon Dioxide, mg/l	0.17		
Total Alkalinity, mg/l as $CaCO_3$	21.0		
Total Hardness, mg/l as $CaCO_3$	23.4		
Specific Conductivity, uS/cm	176.5		
Iron, mg/l	<0.10		**0.3**
Manganese, mg/l	<0.01		**0.05**
Fluoride, mg/l	0.42	**4**	**2**
Chloride, mg/l	10.2		**250**
Ammonia, mg/l as N	0.50		
Nitrate, mg/l as N	0.217	**10**	
Silica, mg/l as SiO_3	7.90		
Total Coliform Bacteria*	Absent	**0**	
E. Coli	Absent	**0**	
Total Trihalomethanes, mg/l	0.013	**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
2025 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	12.2	14.0											**13.1**
Color, units	1.3	0.0											**0.6**
pH, units	8.4	8.4											**8.4**
Free Carbon Dioxide, mg/l	0.17	0.17											**0.17**
Total Alkalinity, mg/l as $CaCO_3$	21.3	21.0											**21.2**
Total Hardness, mg/l as $CaCO_3$	22.8	23.4											**23.1**
Specific Conductivity, uS/cm	176	176.5											**176**
Iron, mg/l	<0.10	<0.10											**<0.10**
Manganese, mg/l	<0.01	<0.01											**<0.01**
Fluoride, mg/l	0.62	0.42											**0.52**
Chloride, mg/l	10.0	10.2											**10.1**
Ammonia, mg/l as N	0.63	0.50											**0.57**
Nitrate, mg/l as N	0.22	0.22											**0.22**
Silica, mg/l as SiO_3	9.58	7.90											**8.74**
Total Coliform Bacteria	Absent	Absent											**Absent**
E. Coli	Absent	Absent											**Absent**
Total Trihalomethanes, mg/l	0.011	0.013											**0.012**

****Chlorine Burnout, no ammonia added*

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