



## EM Johnson WTP Monthly Finished Water Quality Report June 2022

Parameter	Plant Tap	Primary MCL **	Secondary MCL **
Temperature, °C	27.5		
Color, units	0.5		15
pH, units	8.4		6.5 - 8.5
Free Carbon Dioxide, mg/l	0.22		
Total Alkalinity, mg/l as CaCO <sub>3</sub>	28.5		
Total Hardness, mg/l as CaCO <sub>3</sub>	28.3		
Total Dissolved Solids, mg/l	105		500
Specific Conductivity, uS/cm	214		
Iron, mg/l	<0.10		0.3
Manganese, mg/l	<0.01		0.05
Fluoride, mg/l	0.68	4	2
Chloride, mg/l	14.6		250
Ammonia, mg/l as N	0.49		
Nitrate, mg/l as N	0.06	10	
Silica, mg/l as SiO <sub>3</sub>	2.90		
Total Coliform Bacteria*	Absent	0	
E. Coli	Absent	0	
Total Trihalomethanes, mg/l	0.019	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

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*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 2022 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	11.7	8.40	13.9	19.9	22.3	27.5							<b>17.3</b>
Color, units	1.0	0.5	1.2	0	0.4	0.5							<b>0.6</b>
pH, units	8.4	8.4	8.4	8.4	8.4	8.4							<b>8.4</b>
Free Carbon Dioxide, mg/l	0.23	0.22	0.23	0.22	0.22	0.22							<b>0.22</b>
Total Alkalinity, mg/l as CaCO <sub>3</sub>	30.6	27.6	28.6	27.8	27.2	28.5							<b>28.4</b>
Total Hardness, mg/l as CaCO <sub>3</sub>	27.6	27.9	27.9	26.9	27.4	28.3							<b>27.7</b>
Total Dissolved Solids, mg/l	97	102	109	118	108	105							<b>107</b>
Specific Conductivity, uS/cm	199	208	223	239	221	214							<b>217</b>
Iron, mg/l	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10							<b>&lt;0.10</b>
Manganese, mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01							<b>&lt;0.01</b>
Fluoride, mg/l	0.62	0.73	0.71	0.69	0.66	0.68							<b>0.68</b>
Chloride, mg/l	17.4	14.5	15.2	18.0	16.2	14.6							<b>16.0</b>
Ammonia, mg/l as N	0.60	0.57	***	0.49	0.52	0.49							<b>0.5</b>
Nitrate, mg/l as N	0.24	0.21	0.08	0.08	0.09	0.06							<b>0.13</b>
Silica, mg/l as SiO <sub>3</sub>	6.10	7.10	4.50	1.90	2.10	2.90							<b>4.10</b>
Total Coliform Bacteria	Absent	Absent	Absent	Absent	Absent	Absent							<b>Absent</b>
E. Coli	Absent	Absent	Absent	Absent	Absent	Absent							<b>Absent</b>
Total Trihalomethanes, mg/l	0.0056	0.0136	0.0060	0.0110	0.0122	0.0187							<b>0.0112</b>

\*\*\*Chlorine Burnout, no ammonia added

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