EM Johnson WTP Monthly Finished Water Quality Report
October 2026

Parameter	Plant Tap	Primary MCL **	Secondary MCL**
Temperature, °C	22.3		
Color, units	0.0		**15**
pH, units	8.39		**6.5 - 8.5**
Free Carbon Dioxide, mg/l	0.32		
Total Alkalinity, mg/l as $CaCO_3$	38.5		
Total Hardness, mg/l as $CaCO_3$	37.0		
Specific Conductivity, uS/cm	250		
Iron, mg/l	<0.10		**0.3**
Manganese, mg/l	<0.05		**0.05**
Fluoride, mg/l	0.50	**4**	**2**
Chloride, mg/l	21.2		**250**
Ammonia, mg/l as N	0.53		
Nitrate, mg/l as N	0.04	**10**	
Silica, mg/l as SiO_2	6.0		
Total Coliform Bacteria*	Absent	**0**	
E. Coli	Absent	**0**	
Total Trihalomethanes, mg/l	0.0249	**0.080**	

** In 95% of samples collected*
***MCL = Maximum Contaminant Level*

Certified By: *Martesa Webb*

Martesa Webb, Laboratory Manager
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
2026 Plant Tap Summary

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Temperature, °C	13.3	8.97	12.3	16.5	19.5	28.7	30.4	30.0	28.1	22.3			**21.0**
Color, units	0.50	2.0	0.0	0.0	0.3	0.0	0.0	1.0	0.6	0.0			**0.4**
pH, units	8.36	8.33	8.4	8.3	8.3	8.3	8.4	8.4	8.4	8.4			**8.4**
Free Carbon Dioxide, mg/l	0.19	0.2	0.20	0.22	0.24	0.27	0.27	0.27	0.29	0.32			**0.25**
Total Alkalinity, mg/l as $CaCO_3$	21.5	20.2	22.4	23.8	25.7	27.4	30.2	31.3	31.5	38.5			**27.3**
Total Hardness, mg/l as $CaCO_3$	22.0	23.6	23.5	25.3	27.5	29.2	29.7	31.2	32.2	37			**28.1**
Specific Conductivity, uS/cm	170	168	173	182	192	209	221	220	228	250			**201**
Iron, mg/l	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			**<0.10**
Manganese, mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			**<0.05**
Fluoride, mg/l	0.65	0.64	0.65	0.66	0.67	0.54	0.54	0.52	0.57	0.50			**0.59**
Chloride, mg/l	9.84	10.2	11.2	12.1	14.2	16.9	19.8	20.2	12.9	21.2			**14.9**
Ammonia, mg/l as N	0.49	0.43	0.05***	0.64	0.49	0.53	0.56	0.52	0.51	0.53			**0.52**
Nitrate, mg/l as N	0.20	0.14	0.15	0.10	0.09	0.05	0.09	0.09	0.09	0.04			**0.10**
Silica, mg/l as SiO_2	9.40	8.76	7.80	5.15	3.45	2.78	2.99	4.40	4.72	6.00			**5.55**
Total Coliform Bacteria	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent			**Absent**
E. Coli	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent			**Absent**
Total Trihalomethanes, mg/l	0.0156	0.0112	0.011	0.013	0.016	0.025	0.029	0.032	0.035	0.0249			**0.021**

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Martesa Webb, Laboratory Manager

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