



## EM Johnson WTP Monthly Finished Water Quality Report May 2026

| Parameter                                   | Plant Tap | Primary<br>MCL ** | Secondary<br>MCL ** |
|---------------------------------------------|-----------|-------------------|---------------------|
| Temperature, °C                             | 19.5      |                   |                     |
| Color, units                                | 0.25      |                   | 15                  |
| pH, units                                   | 8.34      |                   | 6.5 - 8.5           |
| Free Carbon Dioxide, mg/l                   | 0.24      |                   |                     |
| Total Alkalinity, mg/l as CaCO <sub>3</sub> | 25.7      |                   |                     |
| Total Hardness, mg/l as CaCO <sub>3</sub>   | 27.5      |                   |                     |
| Specific Conductivity, uS/cm                | 192       |                   |                     |
| Iron, mg/l                                  | <0.10     |                   | 0.3                 |
| Manganese, mg/l                             | <0.01     |                   | 0.05                |
| Fluoride, mg/l                              | 0.67      | 4                 | 2                   |
| Chloride, mg/l                              | 14.2      |                   | 250                 |
| Ammonia, mg/l as N                          | 0.490     |                   |                     |
| Nitrate, mg/l as N                          | 0.090     | 10                |                     |
| Silica, mg/l as SiO <sub>3</sub>            | 3.45      |                   |                     |
| Total Coliform Bacteria*                    | Absent    | 0                 |                     |
| E. Coli                                     | Absent    | 0                 |                     |
| Total Trihalomethanes, mg/l                 | 0.0161    | 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.*

One Exchange Plaza Building | 1 Exchange Plaza | Suite 600 | Raleigh, North Carolina 27601  
City of Raleigh (mailing address) | Post Office Box 590 | Raleigh, North Carolina 27602-0590

## 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   | 9.0    | 12.3    | 16.5   | 19.5   |     |     |     |     |     |     |     | 14.1    |
| Color, units                                | 0.50   | 2.0    | 0.0     | 0.0    | 0.3    |     |     |     |     |     |     |     | 0.6     |
| pH, units                                   | 8.36   | 8.33   | 8.4     | 8.3    | 8.3    |     |     |     |     |     |     |     | 8.3     |
| Free Carbon Dioxide, mg/l                   | 0.19   | 0.2    | 0.20    | 0.22   | 0.24   |     |     |     |     |     |     |     | 0.21    |
| Total Alkalinity, mg/l as CaCO <sub>3</sub> | 21.5   | 20.2   | 22.4    | 23.8   | 25.7   |     |     |     |     |     |     |     | 22.7    |
| Total Hardness, mg/l as CaCO <sub>3</sub>   | 22.0   | 23.6   | 23.5    | 25.3   | 27.5   |     |     |     |     |     |     |     | 24.4    |
| Specific Conductivity, uS/cm                | 170    | 168    | 173     | 182    | 192    |     |     |     |     |     |     |     | 177     |
| Iron, mg/l                                  | <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   |
| Fluoride, mg/l                              | 0.65   | 0.64   | 0.65    | 0.66   | 0.67   |     |     |     |     |     |     |     | 0.65    |
| Chloride, mg/l                              | 9.84   | 10.2   | 11.2    | 12.1   | 14.2   |     |     |     |     |     |     |     | 11.5    |
| Ammonia, mg/l as N                          | 0.49   | 0.43   | 0.05*** | 0.64   | 0.49   |     |     |     |     |     |     |     | 0.51    |
| Nitrate, mg/l as N                          | 0.20   | 0.14   | 0.15    | 0.10   | 0.09   |     |     |     |     |     |     |     | 0.13    |
| Silica, mg/l as SiO <sub>3</sub>            | 9.40   | 8.76   | 7.80    | 5.15   | 3.45   |     |     |     |     |     |     |     | 6.91    |
| Total Coliform Bacteria                     | Absent | Absent | Absent  | Absent | Absent |     |     |     |     |     |     |     | Absent  |
| E. Coli                                     | Absent | Absent | Absent  | Absent | Absent |     |     |     |     |     |     |     | Absent  |
| Total Trihalomethanes, mg/l                 | 0.0156 | 0.0112 | 0.011   | 0.013  | 0.016  |     |     |     |     |     |     |     | 0.013   |

Certified By: Martesa Webb

Martesa Webb, Laboratory Manager

NC Lab ID Number 37604