



# WATER QUALITY REPORT CITY OF GREENSBORO, NC

| <b>February 2018</b>              |          |                 |                      |                 |                      |
|-----------------------------------|----------|-----------------|----------------------|-----------------|----------------------|
| PARAMETER                         | UNITS    | TOWNSEND<br>RAW | TOWNSEND<br>FINISHED | MITCHELL<br>RAW | MITCHELL<br>FINISHED |
| <b>Monthly Inorganic Averages</b> |          |                 |                      |                 |                      |
| Alkalinity, Total                 | mg/L     | 29              | 27                   | 29              | 32                   |
| Aluminum                          | mg/L     | 0.06            | <0.01                | 0.12            | <0.01                |
| Calcium                           | mg/L     | 4.8             | 12.7                 | 5.1             | 11.5                 |
| Carbon Dioxide                    | mg/L     | 5               | 4                    | 8               | 6                    |
| Chloride                          | mg/L     | 7               | 11                   | 18              | 21                   |
| Chlorine, Total                   | mg/L     | -               | 2.92                 | -               | 2.99                 |
| Color                             | CU       | 7               | <1                   | 17              | 1                    |
| Copper                            | mg/L     | <0.05           | <0.05                | <0.05           | <0.05                |
| Fluoride                          | mg/L     | 0.14            | 0.60                 | 0.11            | 0.11                 |
| Hardness, (EDTA)                  | mg/L     | 40              | 75                   | 33              | 45                   |
| Iron                              | mg/L     | 0.12            | <0.01                | 0.24            | <0.01                |
| Lead                              | mg/L     | <0.003          | <0.003               | <0.003          | <0.003               |
| Magnesium                         | mg/L     | 2.3             | 2.6                  | 2.4             | 2.9                  |
| Manganese                         | mg/L     | 0.06            | <0.01                | 0.12            | <0.01                |
| Nitrate                           | mg/L     | 0.13            | 0.18                 | 0.27            | 0.34                 |
| pH                                | pH units | 7.8             | 8.0                  | 7.3             | 8.1                  |
| Phosphorus, Total                 | mg/L     | 0.02            | 0.84                 | 0.01            | 0.90                 |
| Potassium                         | mg/L     | 2.4             | 2.7                  | 2.3             | 2.7                  |
| Sodium                            | mg/L     | 2.6             | 14.1                 | 5.7             | 20.8                 |
| Specific Conductance              | µmho     | 91              | 205                  | 152             | 250                  |
| Sulfate                           | mg/L     | <1              | 38                   | 2.0             | 40                   |
| Total Dissolved Solids            | mg/L     | 56              | 111                  | 78              | 138                  |
| Turbidity                         | NTU      | 4.7             | 0.06                 | 10.5            | 0.05                 |
| Zinc                              | mg/L     | <0.01           | <0.01                | <0.01           | <0.01                |

< number - below the detection limit of the analytical instrument

| <b>Annual Compliance Results for Inorganics</b> |       |                      |                      |                    |
|---|-------|----------------------|----------------------|--------------------|
| 4/5/2017  |       |                      |                      |                    |
| PARAMETER                                       | UNITS | TOWNSEND<br>FINISHED | MITCHELL<br>FINISHED | ALLOWABLE<br>LIMIT |
| Antimony  | mg/L  | <0.003               | <0.003               | 0.006              |
| Arsenic   | mg/L  | <0.005               | <0.005               | 0.010              |
| Barium  | mg/L  | <0.400               | <0.400               | 2.000              |
| Beryllium                                       | mg/L  | <0.002               | <0.002               | 0.004              |
| Cadmium   | mg/L  | <0.001               | <0.001               | 0.005              |
| Chromium  | mg/L  | <0.020               | <0.020               | 0.100              |
| Cyanide, Total                                  | mg/L  | <0.050               | <0.050               | 0.200              |
| Iron  | mg/L  | <0.060               | <0.060               | 0.300              |
| Manganese                                       | mg/L  | <0.010               | <0.010               | 0.050              |
| Mercury   | mg/L  | <0.0004              | <0.0004              | 0.002              |
| Nickel  | mg/L  | <0.100               | <0.100               | N/A                |
| Selenium  | mg/L  | <0.010               | <0.010               | 0.050              |
| Thallium  | mg/L  | <0.001               | <0.001               | 0.002              |