



WATER QUALITY REPORT CITY OF GREENSBORO, NC

| December 2015 | | | | | |
|-----------------------------------|----------|-----------------|----------------------|-----------------|----------------------|
| PARAMETER | UNITS | TOWNSEND RAW | TOWNSEND FINISHED | MITCHELL RAW | MITCHELL FINISHED |
| Monthly Inorganic Averages | | | | | |
| Alkalinity, Total | mg/L | 30 | 33 | 28 | 33 |
| Aluminum | mg/L | 0.16 | 0.04 | 0.09 | 0.02 |
| Calcium | mg/L | 4.6 | 11.6 | 4.1 | 8.8 |
| Carbon Dioxide | mg/L | 7 | 6 | 10 | 7 |
| Chloride | mg/L | 10 | 17 | 8 | 14 |
| Chlorine, Total | mg/L | - | 3.20 | - | 3.22 |
| Color | CU | 12 | 1 | 24 | 1 |
| Copper | mg/L | <0.05 | <0.05 | <0.05 | <0.05 |
| Fluoride | mg/L | 0.16 | 0.73 | 0.10 | 0.11 |
| Hardness, Total | mg/L | 31 | 62 | 26 | 37 |
| Iron | mg/L | 0.34 | 0.02 | 0.34 | <0.06 |
| Lead | mg/L | <0.003 | <0.003 | <0.003 | <0.003 |
| Magnesium | mg/L | 2.3 | 2.2 | 2.3 | 2.4 |
| Manganese | mg/L | 0.15 | <0.01 | 0.09 | <0.01 |
| Nitrate | mg/L | 0.18 | 0.18 | 0.15 | 0.30 |
| pH | pH units | 7.1 | 8.1 | 7.0 | 8.2 |
| Phosphorus, Total | mg/L | 0.04 | 0.83 | 0.04 | 0.84 |
| Potassium | mg/L | 2.6 | 2.5 | 2.6 | 2.8 |
| Sodium | mg/L | 5.7 | 11.9 | 4.4 | 24.4 |
| Specific Conductance | µmho | 108 | 230 | 93 | 220 |
| Sulfate | mg/L | 1.2 | 32.8 | 1.0 | 50.0 |
| Total Dissolved Solids | mg/L | 49 | 111 | 56 | 117 |
| Turbidity | NTU | 7.0 | 0.04 | 8.2 | 0.08 |
| Zinc | mg/L | <0.01 | <0.01 | <0.01 | <0.01 |

< number - below the detection limit of the analytical instrument

| Annual Compliance Results for Inorganics | | | | |
|---|-------|----------------------|----------------------|--------------------|
| 5/11/2015 | | | | |
| PARAMETER | UNITS | TOWNSEND FINISHED | MITCHELL FINISHED | ALLOWABLE 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 |