



WATER QUALITY REPORT CITY OF GREENSBORO, NC

| August 2014 | | | | | |
|-----------------------------------|----------|-----------------|----------------------|-----------------|----------------------|
| PARAMETER | UNITS | TOWNSEND RAW | TOWNSEND FINISHED | MITCHELL RAW | MITCHELL FINISHED |
| Monthly Inorganic Averages | | | | | |
| Alkalinity, Total | mg/L | 32 | 33 | 40 | 48 |
| Aluminum | mg/L | 0.04 | 0.02 | 0.04 | 0.02 |
| Calcium | mg/L | 5.2 | 8.1 | 6.0 | 8.8 |
| Carbon Dioxide | mg/L | 6 | 2 | 12 | 6 |
| Chloride | mg/L | 14 | 21 | 12 | 20 |
| Chlorine, Total | mg/L | - | 3.12 | - | 3.08 |
| Color | CU | 7 | <1 | 8 | <1 |
| Copper | mg/L | <0.05 | <0.05 | <0.05 | <0.05 |
| Fluoride | mg/L | 0.12 | 0.61 | 0.13 | 0.13 |
| Hardness, Total | mg/L | 30 | 45 | 43 | 53 |
| Iron | mg/L | 0.05 | 0.01 | 0.22 | 0.01 |
| Lead | mg/L | <0.003 | <0.003 | <0.003 | <0.003 |
| Magnesium | mg/L | 2.4 | 2.0 | 2.8 | 2.5 |
| Manganese | mg/L | 0.07 | <0.01 | 0.32 | <0.01 |
| Nitrate | mg/L | 0.08 | 0.13 | 0.07 | 0.35 |
| pH | pH units | 7.4 | 8.2 | 6.8 | 8.3 |
| Phosphorus, Total | mg/L | 0.35 | 1.35 | 0.23 | 1.20 |
| Potassium | mg/L | 2.2 | 2.3 | 2.6 | 2.4 |
| Sodium | mg/L | 6.9 | 13.8 | 7.0 | 17.5 |
| Specific Conductance | µmho | 115 | 216 | 129 | 245 |
| Sulfate | mg/L | 2.0 | 38.2 | 1.0 | 38.2 |
| Total Dissolved Solids | mg/L | 63 | 116 | 75 | 145 |
| Turbidity | NTU | 2.2 | 0.07 | 2.4 | 0.09 |
| 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 | | | | |
|-------------------------------------------------|-------|----------------------|----------------------|--------------------|
| 8/4/2014 | | | | |
| PARAMETER | UNITS | TOWNSEND FINISHED | MITCHELL FINISHED | ALLOWABLE LIMIT |
| Antimony | mg/L | <0.001 | <0.001 | 0.006 |
| Arsenic | mg/L | <0.005 | <0.005 | 0.010 |
| Barium | mg/L | <0.400 | <0.400 | 2.000 |
| Beryllium | mg/L | <0.001 | <0.001 | 0.004 |
| Cadmium | mg/L | <0.001 | <0.001 | 0.005 |
| Chromium | mg/L | <0.005 | <0.005 | 0.100 |
| Cyanide, Total | mg/L | <0.005 | <0.005 | 0.200 |
| Iron | mg/L | 0.016 | 0.013 | 0.300 |
| Manganese | mg/L | <0.005 | 0.001 | 0.050 |
| Mercury | mg/L | <0.0002 | <0.0002 | 0.002 |
| Nickel | mg/L | <0.005 | <0.005 | N/A |
| Selenium | mg/L | <0.005 | <0.005 | 0.050 |
| Thallium | mg/L | <0.001 | <0.001 | 0.002 |

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