



# WATER QUALITY REPORT CITY OF GREENSBORO, NC

**June 2009**

| PARAMETER                         | UNITS    | TOWNSEND RAW | TOWNSEND FINISHED | MITCHELL RAW | MITCHELL FINISHED |
|-----------------------------------|----------|--------------|-------------------|--------------|-------------------|
| <b>Monthly Inorganic Averages</b> |          |              |                   |              |                   |
| Alkalinity, Total                 | mg/L     | 30           | 32                | 39           | 48                |
| Aluminum                          | mg/L     | 0.09         | 0.03              | 0.27         | 0.04              |
| Calcium                           | mg/L     |              |                   |              |                   |
| Carbon Dioxide                    | mg/L     | 4            | 3                 | 5            | 3                 |
| Chloride                          | mg/L     | 7            | 10                | 6            | 11                |
| Chlorine, Free                    | mg/L     | -            | 1.98              | -            | 1.96              |
| Color                             | CU       | 10           | 1                 | 13           | 1                 |
| Copper                            | mg/L     | <0.05        | <0.05             | <0.05        | <0.05             |
| Fluoride                          | mg/L     | 0.13         | 0.67              | 0.14         | 0.69              |
| Hardness, Total                   | mg/L     | 26           | 32                | 35           | 50                |
| Iron                              | mg/L     | 0.07         | <0.01             | 0.16         | <0.01             |
| Lead                              | mg/L     | <0.003       | <0.003            | <0.003       | <0.003            |
| Magnesium                         | mg/L     |              |                   |              |                   |
| Manganese                         | mg/L     | 0.07         | <0.01             | 0.16         | <0.01             |
| Nitrate                           | mg/L     | 0.17         | 0.34              | 0.30         | 0.57              |
| pH                                | pH units | 6.8          | 7.3               | 6.7          | 7.4               |
| Phosphorus, Total                 | mg/L     | 0.03         | 0.28              | 0.03         | 0.40              |
| Potassium                         | mg/L     |              |                   |              |                   |
| Sodium                            | mg/L     |              |                   |              |                   |
| Specific Conductance              | µmho     | 91           | 139               | 100          | 169               |
| Sulfate                           | mg/L     | 7.7          | 20.3              | 8.5          | 23.1              |
| Total Dissolved Solids            | mg/L     | 61           | 85                | 66           | 102               |
| Turbidity                         | NTU      | 3.1          | 0.13              | 5.2          | 0.12              |
| 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

3/17/2009

| 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  | <0.010            | 0.002             | 0.300           |
| Manganese      | mg/L  | <0.005            | <0.005            | 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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