



# WATER QUALITY REPORT CITY OF GREENSBORO, NC

**June 2008**

| PARAMETER                         | UNITS    | TOWNSEND RAW | TOWNSEND FINISHED | MITCHELL RAW | MITCHELL FINISHED |
|-----------------------------------|----------|--------------|-------------------|--------------|-------------------|
| <b>Monthly Inorganic Averages</b> |          |              |                   |              |                   |
| Alkalinity, Total                 | mg/L     | 31           | 30                | 41           | 48                |
| Aluminum                          | mg/L     | 0.08         | 0.04              | 0.19         | 0.08              |
| Calcium                           | mg/L     | 7.6          | 10.4              | 8.5          | 16.8              |
| Carbon Dioxide                    | mg/L     | 3            | 2                 | 5            | 3                 |
| Chloride                          | mg/L     | 6            | 10                | 6            | 10                |
| Chlorine, Free                    | mg/L     | -            | 1.94              | -            | 1.90              |
| Color                             | CU       | 7            | 1                 | 11           | 1                 |
| Copper                            | mg/L     | <0.05        | <0.05             | <0.05        | <0.05             |
| Fluoride                          | mg/L     | 0.13         | 0.75              | 0.13         | 0.98              |
| Hardness, Total                   | mg/L     | 27           | 34                | 36           | 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     | 2.8          | 2.8               | 3.2          | 3.2               |
| Manganese                         | mg/L     | 0.04         | <0.01             | 0.43         | <0.01             |
| Nitrate                           | mg/L     | 0.15         | 0.28              | 0.23         | 0.37              |
| pH                                | pH units | 7.2          | 7.4               | 6.8          | 7.4               |
| Phosphorus, Total                 | mg/L     | 0.03         | 0.35              | 0.04         | 0.31              |
| Potassium                         | mg/L     | 2.4          | 2.3               | 2.4          | 2.4               |
| Sodium                            | mg/L     | 5.2          | 12.0              | 4.8          | 9.7               |
| Specific Conductance              | µmho     | 86           | 133               | 96           | 184               |
| Sulfate                           | mg/L     | 8.9          | 22.5              | 8.3          | 22.0              |
| Total Dissolved Solids            | mg/L     | 64           | 90                | 74           | 104               |
| Turbidity                         | NTU      | 2.3          | 0.02              | 5.2          | 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

3/18/2008

| 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            | <0.010            | 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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