

**2011 Regulated Contaminants Detected**

**Coliform Bacteria**

| Maximum Contaminant Level Goal | Total Coliform Maximum 5% of monthly samples are | Highest No. of Positive | Fecal Coliform or E. Coli MCL | Total No. of Positive E. Coli or Fecal | Violation | Likely Source of Contamination       |
|--------------------------------|--|-------------------------|-------------------------------|--|-----------|--------------------------------------|
|                                | 0  | 3                       | 0                             | 0                                      | N         | Naturally present in the environment |

**Lead and Copper**

Definitions:  
Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.  
Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALG's allow for a margin of safety.

| Lead and Copper | Date Sampled    | MCLG | Action Level (AL) | 90th Percentile | Sites Over | Units | Violation | Likely Source of Contamination   |
|-----------------|-----------------|------|-------------------|-----------------|------------|-------|-----------|--|
| Copper          | Aug - Sept 2011 | 1.3  | 1.3               | 0.092           | 0          | ppm   | N         | Erosion of natural deposits; Leaching from wood preservatives; Corrosion |
| Lead            | Aug - Sept 2011 | 0    | 15                | 5.82            | 1          | ppb   | N         | Corrosion of household plumbing systems; Erosion of natural deposits.    |

**Water Quality Test Results**

Maximum Contaminant Level Goal or MCLG: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Contaminant Level or MCL: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum residual disinfectant level goal or MRDLG: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of Maximum residual disinfectant level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of

Definitions: The following tables contain scientific terms and measures, some of which may require explanation.

ppb: micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

na: not applicable.

**Regulated Contaminants**

| Disinfectants and Disinfectant By-Products | Collection Date | Highest Level Detected | Range of Levels Detected | MCLG                  | MCL      | Units | Violation | Likely Source of Contamination             |
|--|-----------------|------------------------|--------------------------|-----------------------|----------|-------|-----------|--|
| Chlorine                                   | Hourly          | 1.1                    | 0.9359 - 1.2527          | MRDLG = 4             | MRDL = 4 | ppm   | N         | Water additive used to control microbes.   |
| Halocetic Acid (HAA%)*                     | Quarterly       | 14                     | 4.8 to 17.4              | No goal for the total | 60       | ppb   | N         | By-product of drinking water chlorination. |
| Total Trihalomethanes (TTHM)*              | Quarterly       | 22                     | 7.6 - 28                 | No goal for the total | 80       | ppb   | N         | By-product of drinking water chlorination. |

Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where compliance sampling should occur in the future

| Inorganic Contaminants         | Collection Date | Highest Level Detected | Range of Levels Detected | MCLG | MCL | Units | Violation | Likely Source of Contamination  |
|--------------------------------|-----------------|------------------------|--------------------------|------|-----|-------|-----------|---|
| Barium                         | Jan-11          | 0.021                  | 0.021 - 0.021            | 2    | 2   | ppm   | N         | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.   |
| Fluoride                       | Monthly         | 1                      | 0.96 - 0.96              | 4    | 4.0 | ppm   | N         | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.                  |
| Nitrate (measured as Nitrogen) | Apr-11          | 1                      | 0.77 - 0.77              | 10   | 10  | ppm   | N         | Runoff from fertilizer use; Leaching from septic tanks; sewage; Erosion of natural deposits.  |
| Sodium                         | Jan-11          | 9                      | 8.7 to 8.7               |      |     | ppm   | N         | Erosion from naturally occurring deposits; Used in water softener regeneration.   |
| Zinc                           | Jan-11          | 0.028                  | 0.028 - 0.028            | 5    | 5   | ppm   | N         | This contaminant is not currently regulated by the USEPA. However, the state regulates Naturally occurring; discharge from metal factories. |

**Turbidity**

| Limit (Treatment Technique)    | Level Detected | Violation | Likely Source of Contamination |
|--------------------------------|----------------|-----------|--------------------------------|
| Highest single measurement     | 1 NTU          | N         | Soil runoff                    |
| Lowest monthly % meeting limit | 0.3 NTU        | N         | Soil runoff                    |

Turbidity is a measure of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration system and disinfectants.

**Total Organic Carbon**

The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.