

**WATER QUALITY REPORT
FLETCHER CORNER, WINDHAM, NH
EPA # 2542150**

INORGANIC CONTAMINANTS (b)

| Analyte | Results | MCL | Date |
|------------------|---------|-----|---------|
| Antimony (µg/L) | < 2 | 6 | 9/2/09 |
| Arsenic (µg/L) | 4 | 10 | 7/13/11 |
| Barium (mg/L) | < 0.01 | 2 | 9/2/09 |
| Beryllium (µg/L) | < 2 | 4 | 9/2/09 |
| Cadmium (µg/L) | < 2 | 5 | 9/2/09 |
| Chromium (µg/L) | < 10 | 100 | 9/2/09 |
| Cyanide (µg/L) | < 20 | 200 | 9/2/09 |
| Fluoride (mg/L) | 1.19 | 4 | 9/2/09 |
| Mercury (µg/L) | 0.2 | 2 | 9/2/09 |
| Nickel (µg/L) | 23 | 100 | 9/2/09 |
| Nitrate-N (mg/L) | < 0.2 | 10 | 7/26/11 |
| Nitrite-N (mg/L) | < 0.05 | 1 | 9/2/09 |
| Selenium (µg/L) | < 5 | 50 | 9/2/09 |
| Thallium (µg/L) | < 1 | 2 | 9/2/09 |

FIRST DRAW LEAD AND COPPER (a)

| Analyte | Results | AL | Date |
|--------------------------------------|---------|-----|------|
| Lead (µg/L) 90th percentile sample | < 5 | 15 | 2009 |
| Copper (mg/L) 90th percentile sample | 0.590 | 1.3 | 2009 |

SECONDARY CONTAMINANTS (b) - AESTHETIC

| Analyte | Results | SMCL | Date |
|---------------------|---------|-----------|---------|
| Chloride (mg/L) | 4 | 250 | 9/2/09 |
| Fluoride (mg/L) | 1.19 | 2 | 9/2/09 |
| Iron (mg/L) | 0.11 | 0.3 | 9/2/09 |
| Manganese (mg/L) | < 0.01 | 0.05 | 9/2/09 |
| pH (Standard Units) | 7.59 | 6.5 – 8.5 | 7/28/10 |
| Silver (µg/L) | < 4 | 100 | 9/2/09 |
| Sodium (mg/L) | 26.1 | 100-250 | 9/2/09 |
| Sulfate (mg/L) | 7.1 | 250 | 9/2/09 |
| Zinc (mg/L) | 0.056 | 5 | 9/2/09 |

RADIOLOGICAL CONTAMINANTS (b)

| Analyte (Units) | Results | MCL | Date |
|--------------------------------|---------|------|---------|
| Compliance Gross Alpha (pCi/L) | 2.2 | 15 | 9/4/08 |
| Radon Gas (pCi/L) | 1650 | None | 4/19/11 |
| Radium-226 (pCi/L) | 0.2 | 5 | 9/4/08 |
| Radium-228 (pCi/L) | <0.4 | 5 | 9/4/08 |
| Uranium (µg/L) | <0.06 | 30 | 9/4/08 |

UNREGULATED CONTAMINANTS (b)

| Analyte (Units) | Results | Date |
|-----------------------------------------------|---------|---------|
| Alkalinity as CaCO ₃ (mg/L) | 80 | 8/31/10 |
| Calcium (mg/L) | 16.6 | 7/28/10 |
| Copper (mg/L) | 0.023 | 9/2/09 |
| Hardness, Total as CaCO ₃ (mg/L) | 42 | 8/31/10 |
| Hydrogen Sulfide (mg/L) | 0.04 | 9/2/09 |
| Lead (µg/L) | < 5 | 9/2/09 |
| Magnesium (mg/L) | 5.6 | 7/28/10 |
| Specific Conductance (umhos/cm ²) | 188 | 9/2/09 |
| Sulfide (mg/L) | < 0.2 | 9/2/09 |

| Microbiological Contaminants (a) | Results | MCL |
|----------------------------------|---------|-----------|
| Total Coliform | Absent | ≤ 1/month |
| E. coli | Absent | Absent |
| Average Chlorine Residual (mg/L) | 0.42 | ≤ 4 |

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Two bedrock wells. Well # 1 is located 980 feet southeast from the pump station. Well # 2 is located 1,170 feet southeast of the pump station.

Treatment: Chlorination to disinfect the water; filtration to reduce arsenic level; phosphate to reduce corrosion and sequester iron and manganese; aeration to reduce radon levels.

KEY TO ABBREVIATIONS

AL Action Level - The concentration of a contaminant which, if exceeded triggers treatment of or other requirements which a water system must follow.

MCL Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water.

SMCL Secondary Maximum Contaminant Level - The highest level of a contaminant that affects the aesthetic characteristics (taste, odor, or color) of drinking water.

NR Not Regulated - Contaminants test for but not regulated by the State or EPA.

(a) samples taken from the distribution system.

(b) samples taken from the distribution entry point.

mg/L milligrams per Liter or parts per million.

µg/L micrograms per Liter or parts per billion.

pCi/L picocuries per Liter (measure of radioactivity)

N/A Not Applicable **nd** not detected **BDL** Below Detection Level **≤** Less Than or Equal To **<** Less Than

CONTACT INFORMATION

If you have any questions about this report, or about your water quality, please call Gary Tetley, Water Quality Manager, at 1-603-913-2378 or 1-800-553-5191.

Additional information about contaminants and their potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline 1-800-426-4791.