



**WATER QUALITY REPORT**  
**BEDFORD WATER CORP., BEDFORD, NH**  
**EPA # 0192010**

**INORGANIC CONTAMINANTS (b)**

Analyte	Results	MCL	Date
Antimony (µg/L)	< 2	6	1/31/11
Arsenic (µg/L)	< 2	10	1/31/11
Barium (mg/L)	0.011	2	1/31/11
Beryllium (µg/L)	< 2	4	1/31/11
Cadmium (µg/L)	<0.002	5	1/31/11
Chromium (µg/L)	< 10	100	1/31/11
Cyanide (µg/L)	< 20	200	1/16/08
Fluoride (mg/L)	<0.2	4	1/31/11
Mercury (µg/L)	<0.1	2	1/31/11
Nickel (µg/L)	< 10	100	1/31/11
Nitrate-N (mg/L)	1.34	10	1/31/11
Nitrite-N (mg/L)	< 0.05	1	2/18/09
Selenium (µg/L)	< 5	50	1/31/11
Thallium (µg/L)	< 1	2	1/31/11

**FIRST DRAW LEAD AND COPPER (a)**

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	<5	15	2010
Copper (mg/L) 90th percentile sample	0.054	1.3	2010

**SECONDARY CONTAMINANTS (b) - AESTHETIC**

Analyte	Results	SMCL	Date
Chloride (mg/L)	51	250	1/31/11
Fluoride (mg/L)	<0.2	2	1/31/11
Iron (mg/L)	0.061	0.3	1/31/11
Manganese (mg/L)	< 0.01	0.05	1/31/11
pH (Standard Units)	7.45	6.5 – 8.5	1/31/11
Silver (µg/L)	< 4	100	1/16/08
Sodium (mg/L)	33.1	100-250	1/31/11
Sulfate (mg/L)	13	250	1/31/11
Zinc (mg/L)	0.544	5	1/31/11

**RADIOLOGICAL CONTAMINANTS (b)**

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	2.3	15	10/11/05
Radon Gas (pCi/L)	247	None	7/21/11
Radium-226 (pCi/L)	0.1	5	10/11/05
Radium-228 (pCi/L)	0	5	10/11/05
Uranium (µg/L)	1.5	30	10/11/05

**UNREGULATED CONTAMINANTS (b)**

Analyte (Units)	Results	Date
Alkalinity as CaCO <sub>3</sub> (mg/L)	46.5	5/14/10
Calcium (mg/L)	2.23	1/31/11
Copper (mg/L)	< 0.01	1/16/08
Hardness, Total as CaCO <sub>3</sub> (mg/L)	61.4	1/31/11
Hydrogen Sulfide (mg/L)	0.06	1/16/08
Lead (µg/L)	< 5	1/16/08
Magnesium (mg/L)	1.4	1/31/11
Specific Conductance (umhos/cm <sup>2</sup> )	329	1/16/08
Sulfide (mg/L)	0.2	1/16/08

Microbiological Contaminants (a)	Results	MCL
Total Coliform	Absent	≤ 1/month
E. coli	Absent	Absent
Average Chlorine Residual (mg/L)	0.57	≤ 4

**SOURCE WATER AND TREATMENT INFORMATION**

**Water Source:** Three bedrock wells.

**Treatment:** Chlorination for disinfection; sodium hydroxide to increase the pH and reduce corrosion; polyphosphate to sequester iron and manganese and reduce corrosion.

**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.