

**WATER QUALITY REPORT
HI LO ESTATES, DERRY, NH
EPA # 0612140**

INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (µg/L)	< 2	6	11/12/09
Arsenic (µg/L)	< 2	10	11/12/09
Barium (mg/L)	0.046	2	11/12/09
Beryllium (µg/L)	< 2	4	11/12/09
Cadmium (µg/L)	< 2	5	11/12/09
Chromium (µg/L)	< 10	100	11/12/09
Cyanide (µg/L)	< 20	200	11/12/09
Fluoride (mg/L)	0.33	4	11/12/09
Mercury (µg/L)	<0.1	2	11/12/09
Nickel (µg/L)	< 10	100	11/12/09
Nitrate-N (mg/L)	0.25	10	3/30/11
Nitrite-N (mg/L)	<0.2	1	10/27/10
Selenium (µg/L)	< 5	50	11/12/09
Thallium (µg/L)	< 1	2	11/12/09

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	75	250	11/12/09
Fluoride (mg/L)	0.33	2	11/12/09
Iron (mg/L)	0.012	0.3	11/12/09
Manganese (mg/L)	0.015	0.05	11/12/09
pH (Standard Units)	7.62	6.5 – 8.5	11/12/09
Silver (µg/L)	< 4	100	11/12/09
Sodium (mg/L)	24	100-250	11/12/09
Sulfate (mg/L)	39.7	250	11/12/09
Zinc (mg/L)	0.024	5	11/12/09

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	< 3.0	15	12/4/06
Radon Gas (pCi/L)	2,760	None	4/5/10
Radium-226 (pCi/L)	0.1	5	12/4/06
Radium-228 (pCi/L)	< 0.5	5	12/4/06
Uranium (µg/L)	< 1.0	30	12/4/06

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	0.3	1.3	2009

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Hardness, Total as CaCO ₃ (mg/L)	195	11/12/09

Microbiological Contaminants (a)

Results	MCL
Total Coliform	≤1/month
E. coli	Absent

SOURCE WATER AND TREATMENT INFORMATION

Water Source: Two bedrock wells plus an interconnect with Drew Woods. Well # 2 is located 100 feet northwest of the pump station. Well # 4 is located 334 feet northwest of the pump station. The Drew Woods system is a blend of 6 wells and water purchased from the Town of Derry. The source of Derry's water is the city of Manchester.

Treatment: Chlorination/Chloramination to kill bacteria; filtration to reduce iron and manganese; phosphates to reduce corrosion and sequester iron and manganese. Chloramination is used by the city of Manchester as a means of disinfection.

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 **RAA** Running Annual Average

≤ 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.