

WATER QUALITY REPORT
SPRUCE POND, WINDHAM, NH
EPA # 2542180

INORGANIC CONTAMINANTS (b)

Analyte	Results	MCL	Date
Antimony (µg/L)	< 2	6	12/15/09
Arsenic (µg/L)	< 2	10	12/15/09
Barium (mg/L)	< 0.01	2	12/15/09
Beryllium (µg/L)	< 2	4	12/15/09
Cadmium (µg/L)	< 2	5	12/15/09
Chromium (µg/L)	< 10	100	12/15/09
Cyanide (µg/L)	< 20	200	12/15/09
Fluoride (mg/L)	0.54	4	12/15/09
Mercury (µg/L)	<0.1	2	12/15/09
Nickel (µg/L)	< 10	100	12/15/09
Nitrate-N (mg/L)	<0.20	10	12/15/09
Nitrite-N (mg/L)	< 0.05	1	12/15/09
Selenium (µg/L)	< 5	50	12/15/09
Thallium (µg/L)	< 1	2	12/15/09

SECONDARY CONTAMINANTS (b) - AESTHETIC

Analyte	Results	SMCL	Date
Chloride (mg/L)	350	250	12/15/09
Fluoride (mg/L)	0.54	2	12/15/09
Iron (mg/L)	0.22	0.3	12/15/09
Manganese (mg/L)	0.065	0.05	12/15/09
pH (Standard Units)	7.52	6.5 – 8.5	11/9/06
Silver (µg/L)	< 4	100	12/15/09
Sodium (mg/L)	222	100-250	12/15/09
Sulfate (mg/L)	18	250	12/15/09
Zinc (mg/L)	0.062	5	12/15/09

RADIOLOGICAL CONTAMINANTS (b)

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	2.6	15	12/6/07
Radon Gas (pCi/L)	467	None	8/12/08
Radium-226 (pCi/L)	1.2	5	12/6/07
Radium-228 (pCi/L)	< 0.7	5	12/6/07
Uranium (µg/L)	2	30	12/6/07

FIRST DRAW LEAD AND COPPER (a)

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	< 5	15	2007
Copper (mg/L) 90th percentile sample	0.020	1.3	2007

UNREGULATED CONTAMINANTS (b)

Analyte (Units)	Results	Date
Alkalinity as CaCO ₃ (mg/L)	82	12/15/09
Calcium (mg/L)	18.7	12/15/09
Copper (mg/L)	< 0.01	12/15/09
Hardness, Total as CaCO ₃ (mg/L)	62.3	12/15/09
Hydrogen Sulfide (mg/L)	<0.02	12/15/09
Lead (µg/L)	< 5	12/15/09
Magnesium (mg/L)	3.8	12/15/09
Specific Conductance (umhos/cm ²)	1320	12/15/09
Sulfide (mg/L)	<0.2	12/15/09

Microbiological Contaminants (a)	Results	MCL
Total Coliform	Absent	<2/month
E. coli	Absent	Absent

Water Source: Two bedrock wells. Well # 1 is located 25 feet southeast of the pump station, is 356 feet deep and yields 15 gallons per minute. Well # 2 is located 54 feet southwest of the pump station, is 305 feet deep and yields 25 gallons per minute.

Treatment: Softening to reduce water hardness, iron, and manganese; Chlorine for disinfection; and phosphates for corrosion control and iron and manganese sequestration.

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

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.