



**WATER QUALITY REPORT  
 CASTLE REACH, WINDHAM, NH  
 EPA # 2542140**

**RADIOLOGICAL CONTAMINANTS (b)**

Analyte (Units)	Results	MCL	Date
Compliance Gross Alpha (pCi/L)	3.3	15	7/9/15
Radium 226 & 228 (pCi/L)	0.3	5	7/9/15
Uranium (µg/L)	1.6	30	9/5/18

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

Analyte	Results	AL	Date
Lead (µg/L) 90th percentile sample	<0.001	15	2019
Copper (mg/L) 90th percentile sample	1.300	1.3	2019

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**INORGANIC CONTAMINANTS (b)**

Analyte	Results	MCL	Date
Antimony (mg/L)	<0.001	0.006	9/5/18
Arsenic (mg/L)	0.0016	0.01	9/5/18
Barium (mg/L)	0.0076	2	9/5/18
Beryllium (mg/L)	<0.001	0.004	9/5/18
Cadmium (mg/L)	<0.001	0.005	9/5/18
Chromium (mg/L)	0.0012	0.1	9/5/18
Fluoride (mg/L)	0.31	4	9/5/18
Mercury (mg/L)	<0.0001	0.002	9/5/18
Nitrate-N (mg/L)	< 0.2	10	7/9/19
Nitrite-N (mg/L)	< 0.2	1	9/5/18
Selenium (mg/L)	<0.001	0.05	9/5/18
Thallium (mg/L)	<0.001	0.002	9/5/18

**SECONDARY CONTAMINANTS (b) - AESTHETIC**

Analyte	Results	SMCL	Date
Chloride (mg/L)	57	250	9/5/18
Fluoride (mg/L)	0.31	2	9/5/18
Iron (mg/L)	0.26	0.3	9/5/18
Manganese (mg/L)	0.0457	0.05	9/5/18
pH (Standard Units)	7.82	6.5 – 8.5	9/5/18
Sulfate (mg/L)	23	250	9/5/18
Zinc (mg/L)	0.329	5	9/5/18

**Microbiological Contaminants (a)**

Analyte	Results	MCL	Frequency
E. coli	Absent	Absent	Monthly
Chlorine Residual Range (mg/L)	0.2 - 1.0		

**DISINFECTION BY-PRODUCTS (a)**

Analyte	Results	MCL	Date
Total Trihalomethanes (µg/L)	3.7 - 19	80	2017
Haloacetic Acids (µg/L)	ND - 6.3	60	2017

**Perfluorinated Chemicals (PFCs)**

Analyte (Units)	Results	MCL	Date
Perfluorobutanesulfonic acid (PFBS) (ng/L)	4.94	NR	10/22/19
Perfluoroheptanoic acid (PFHpA) (ng/L)	3.98	NR	10/22/19
Perfluorohexanesulfonic acid (PFHxS) (ng/L)	<1.77	NR	10/22/19
Perfluorononanoic acid (PFNA) (ng/L)	<1.77	NR	10/22/19
Perfluorooctane sulfonate (PFOS) (ng/L)	<1.77	70*	10/22/19
Perfluorooctanoic acid (PFOA) (ng/L)	14.2		10/22/19

\*PFOS + PFOA has a health standard of 70 ng/L

**UNREGULATED CONTAMINANTS (b)**

Analyte (Units)	Results	Date
Alkalinity as CaCO <sub>3</sub> (mg/L)	104	9/5/18
Calcium (mg/L)	73.6	9/5/18
Copper (mg/L)	0.0064	9/5/18
Hardness, Total as CaCO <sub>3</sub> (mg/L)	204	9/5/18
Magnesium (mg/L)	4.9	9/5/18
Nickel (mg/L)	0.0016	9/5/18
Radon Gas (pCi/L)	6.38	7/9/19
Sodium (mg/L)	29.9	9/5/18

**SOURCE WATER AND TREATMENT INFORMATION**

**Water Source:** Three bedrock wells.

**Treatment:** Chlorination for disinfection; Filtration (MTM) to remove iron and manganese.

**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 – These standards are developed to protect the aesthetic qualities of drinking water and are not health based 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.

**ng/L** nanograms per Liter or parts per trillion.

**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 Matthew Day, Lab Director, at 1-603-913-2377 or 1-800-553-5191.

Additional information about contaminants and their potential health effects can be obtained by calling the Environmental