

# WATERBURY VILLAGE WATER-VT0005284

## Consumer Confidence Report – 2006

This report is a snapshot of the quality of the water that we provided last year. Included are the details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) and state standards. We are committed to providing you with information because informed customers are our best allies. This report is designed to inform you about the quality water and services we deliver to you every day. To learn more, please attend any of our regularly scheduled meetings which are held:

4<sup>th</sup> Monday of each month at 4:30 pm at Waterbury Municipal Office 51 South Main Street

For more information please contact WILLIAM SHEPELUK at 802-244-7033

### Water Source Information

Your water comes from

Source Name	Source Water Type	Source Name	Source Water Type
DEMERRITT WELL	Ground Water	WELL 4	Ground Water
WELL 1	Ground Water	MERRIAM BROOK	Surface Water
WELL 2	Ground Water	TYLER BROOK	Surface Water
WELL 3	Ground Water		

The State of Vermont Water Supply Rule requires Public Community Water Systems to develop a Source Protection Plan. This plan delineates a source protection area for our system and identifies potential and actual sources of contamination. Please contact us if you are interested in reviewing the plan.

## Waterbury Water Takes Home Top Honors

*The Earle P. Towne Water Treatment Facility was named recently as producing the “best tasting surface water” in Vermont. The Waterbury Water Department was honored in a statewide competition in May. Held annually, the competition is open to approximately 100 water treatment systems across the state. This is the first year the Earle P. Towne Water Treatment Facility has entered the competition, and took home top honors.*

*The event was held on the State House lawn May 12<sup>th</sup>, celebrating National Drinking Water Week. The award-winning Waterbury water flows naturally from the Western slope of the Worcester range of Hunger Mountain. Congratulations to our Waterbury Water Treatment staff for a job well done.*

## **Drinking Water Contaminants**

The sources of drinking water (both tap water and bottled water) include surface water (streams, lakes) and ground water (wells, springs). As water travels over the land's surface or through the ground, it dissolves naturally-occurring minerals. It also picks up substances resulting from the presence of animals and human activity. Some "contaminants" may be harmful. Others, such as iron and sulfur, are not harmful. Public water systems treat water to remove contaminants, if any are present.

In order to ensure that your water is safe to drink, we test it regularly according to regulations established by the U.S. Environmental Protection Agency and the State of Vermont. These regulations limit the amount of various contaminants:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife

Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

Pesticides and herbicides, may come from a variety of sources such as storm water run-off, agriculture, and residential users.

Radioactive contaminants, which can be naturally occurring or the result of mining activity

Organic contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and also come from gas stations, urban storm water run-off, and septic systems.



## **Water Quality Data**

The table below lists all the drinking water contaminants that we detected during the past year. It also includes the date and results of any contaminants that we detected within the past five years if tested less than once a year. The presence of these contaminants in the water does not necessarily show that the water poses a health risk.

Terms and abbreviations - In this table you may find terms you might not be familiar with. To help you better understand these terms we have provided the following definitions:

Maximum Contamination Level Goal (MCLG): The "Goal" is the level of a contaminant in drinking water below which there is no known or expected risk to human health. MCLG's allow for a margin of safety.

Maximum Contamination Level (MCL): The "Maximum Allowed" MCL is the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of disinfectants in controlling microbial contaminants.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. Addition of a disinfectant may help control microbial contaminants.

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

90th Percentile: Ninety percent of the samples are below the action level. (Nine of ten sites sampled were at or below this level).

Treatment Technique(TT): A process aimed to reduce the level of a contaminant in drinking water.

Parts per million (ppm) or Milligrams per liter (mg/l): (one penny in ten thousand dollars)

Parts per billion (ppb) or Micrograms per liter (µg/l): (one penny in ten million dollars)

Picocuries per liter(pCi/L): a measure of radioactivity in water

Nephelometric Turbidity Unit (NTU): NTU is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

### Detected Contaminants WATERBURY VILLAGE WATER

Microbiological	Result	MCL	MCLG	Typical Source
No Detected Results were Found in the Calendar Year of 2005				

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
FLUORIDE	3/2/2005	1.3	1.3	ppm	4.0	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NITRATE (AS N)	3/2/2005	0.3	0.3	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Secondary Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
No Detected Results were Found in the Calendar Year of 2005							

Lead and Copper	Date	90 <sup>TH</sup> Percentile	Range	Unit	AL	Sites Over AL	Typical Source
COPPER	2002 - 2004	0.06	<0.03-0.06	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2002 - 2004	2	<1-8	ppb	15	0	Corrosion of household plumbing systems; Erosion of natural deposits

Radionuclides	Collection	Highest	Range	Unit	MCL	MCLG	Typical Source
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	Date	Value					
GROSS ALPHA, INCLDNG RA, EXCLDNG RN & U	3/25/2004	0.2	0.2	pCi/L	10	0	Erosion of natural deposits
RADIUM, COMBINED (226, 228)	6/24/2004	0.5	0.1 - 0.5	pCi/L	5	0	Erosion of natural deposits
RADIUM-226	6/24/2004	0.5	0.2 - 0.5	PIC/L	5	0	
RADIUM-228	6/24/2004	0.3	0.1 - 0.3	PIC/L	5	0	

Disinfection ByProducts	Monitoring Period	RAA	Range	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	2005	<1	<1-7.9	ppb	60	0	By-product of drinking water disinfection
TOTAL TRIHALOMETHANES (TTHM)	2005	10	0.6 - 25	ppb	80	0	By-product of drinking water chlorination



**Violation(s) that occurred during the year**

Type	Category	Analyte	Compliance Period
No Violations Occurred in the Calendar Year of 2005			

**Additional information (including steps taken to correct any violations listed above) N/A**

**Health information regarding drinking water**

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants, can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from EPA's Safe Drinking Water Hotline (1-800-426-4791).

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Safe Drinking Water Hotline.