

# CITY OF MARLBOROUGH DEPARTMENT OF PUBLIC WORKS

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Public Water Supply  
 # 217000

This is an annual report on the quality of water delivered by the City of Marlborough to its residents and businesses. It complies with the Federal Safe Drinking Water Act (SDWA) requirement for "Consumer Confidence Reports" and contains information on the source of our water, its makeup and health risks associated with any contaminants. Safe water is vital to our community. Please read this report carefully and if you have any questions, call the numbers listed below.

The City of Marlborough's water supply comes from three sources: Massachusetts Water Resources Authority (MWRA), Lake Williams and Millham Reservoir. During 2010, the Marlborough Department of Public Works supplied 1.7 billion gallons of water for use to our customers.

Pursuant to the SDWA, the City of Marlborough is required to monitor its drinking water on a regular basis for specific man-made and naturally occurring contaminants. Results of regular monitoring are indicators of whether or not our drinking water meets applicable health standards. In contrast to the last two years, test results for 2010 show the city in compliance with lead and copper limits. The city plans to continue its incentive program to encourage participation by residents in our sampling program, its program for removing lead service pipes as part of our street reconstruction projects, and treating its drinking water to keep the lead and copper limits below the maximum contaminant levels.

### Water Quality Table

The Water Quality Table below provides information on the results of the city's testing program and is based upon samples taken during 2010. Terms used in the table are defined below and within the table itself.

	MCL	MCLG	Highest Detected	Range	Major Sources	Violation
<b>Inorganic Contaminants</b>						
Nitrate (ppm)	10	10	0.15	0.15	Runoff from fertilizer use	No
Barium (ppm)	2	2	0.019	0.019	Erosion of natural deposits	No
Sodium (ppm)	no standard		98.2	98.2	Road salt, erosion of natural deposits	No
Thallium <sup>2</sup> (ppm)	0.002	0	0.006	0.006	Toxic metallic element	Yes <sup>2</sup>
<b>Mircrobiological Contaminants</b>						
Turbidity <sup>1</sup> (NTU)	1	TT	0.4	0.4	Temporary insolubility from lime addition & soil runoff	No
<b>Volatile Organic Contaminants</b>						
TTHMs Total Trihalomethanes (ppb)	avg=80	0	avg=25	11.8 - 86.5	By-product of drinking water chlorination	No
HAA5 (ppb)	avg=60	0	avg=11	7.4 - 44.1	By-product of drinking water chlorination	No
<b>Lead and Copper: 4th Quarter 2010</b>						
Lead (ppb)	15	0	2.8	0 - 21	Homes exceeding AL# of homes tested 4 of 60	No
Copper (ppm)	1.3	0	0.12	0 - 0.52	0 of 60	No

1. The turbidity of the filtered water shall be less than 0.3 NTU in 95% of the measurement taken each month and shall not exceed 1.0 NTU at any time. Turbidity is regulated by treatment technique and these parameters were met. 2. Average test results over a 24 month period. Recent test results indicate no detection for Thallium.

Key to Tables: **AL**=Action Level **MCL**=Maximum Contamination Level **MCLG**=Maximum Contamination Level Goal (The definitions for MCL and MCLG are on page 2.) **NTU**=Nephelometric Turbidity Units **ND**=Not Detectable **ppb**=parts per billion or micrograms per liter (ug/l) **ppm**=parts per million, or milligrams per liter (mg/l) **TT**=Treatment Technique Unregulated Contaminants: Perchlorate was tested and was not detected. The water was tested for Giardia and Cryptosporidium and were not found. **\*90th%**=Out of every 10 homes sampled, 9 were at or below this level. Lead and Copper were both below the Action Level. Lead and Copper was also tested in the 2nd Quarter, 2010.

Although many tests were run on a number of contaminants, only those substances listed above were detected. Please share this information with other people who drink our water, especially those that may not have received this notice directly, for example, residents who live in apartments, nursing homes and other businesses. You can do this by posting this notice in a public place or distributing copies by hand or mail.

The state recommended per capita water use is 65 gallons per person per day. In order to achieve this value, we encourage all residents to use water more efficiently. Please visit the Marlborough Department of Public Works website for tips on water conservation at [www.marlbrough-ma.gov](http://www.marlbrough-ma.gov).

There is also a website for the City of Marlborough Source Water and Assessment Program (SWAP). This is a program established under the Safe Drinking Water Act. This program requires the City of Marlborough to inventory land uses within the recharge areas of all public water supply sources. The program also assesses the susceptibility of drinking water sources to contamination from these land uses and publicizes the results to provide support for improved protection. The Marlborough SWAP Report can be found on the website [www.mass.gov/dep/water/drinking/2170000](http://www.mass.gov/dep/water/drinking/2170000).

**For more information, including meetings, please contact David R. Lavallee, Marlborough Water/Sewer Division General Foreman at 508-624-6910 ext. 7401 or email at [dlavallee@marlbrough-ma.gov](mailto:dlavallee@marlbrough-ma.gov).**