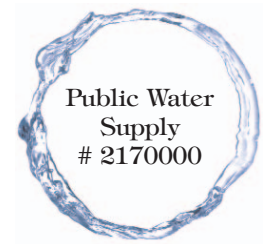




City of Marlborough

Marlborough Water System

2007 Drinking Water Report



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 Water Drinking Water Act (SDWA) requirement for "Consumer Confidence Reports" and contains information on the source of our water, its makeup and the health risks associated with any contaminants. Safe water is vital for the community. Please read this report carefully and if you have questions, call the numbers listed below.

We are proud to report that the water provided by the City of Marlborough is safe and of high quality.
Call us for information about the next opportunity for public participation in decisions about our drinking water.

Overview

The City of Marlborough's water supply comes from three sources: Massachusetts Water Resources Authority (MWRA), Lake Williams and Millham Reservoir. During calendar year 2007, the City of Marlborough Department of Public Works supplied 1,888,659,000 gallons of water for use by our customers. In an ongoing effort to provide better water quality and fire fighting flows, the Department continues to upgrade the water distribution system.

Marlborough performed testing for Lead and Copper in accordance with the EPA Lead and Copper Rule. In order to remain in compliance 90% of the samples had to be below 0.015 ppm for lead and 1.3 ppm for Copper. While we achieved compliance with the copper portion of the regulation, we failed the lead component. Marlborough residents that have lead service lines or lead solder connecting their copper pipes, should be aware of the potential health impacts. Information on the health impacts of lead can be found at the Marlborough website noted below.

Changes in the Massachusetts Water Management Act have resulted in new requirements imposed on the per capita volume of water expected to be used. The per capita rate is 65 gallons of water per person per day. In order to achieve this value, water conservation will be an important factor. We encourage all residents to use water more efficiently to remain in compliance with our permit. Please visit the Marlborough Department of Public Works Water & Sewer Division website for tips on water conservation. The address is:

[http://www.marlborough-ma.gov/Gen/MarlboroughMA_PublicWrks/Marlborough MA_MarlboroughMA_WaterSewer](http://www.marlborough-ma.gov/Gen/MarlboroughMA_PublicWrks/Marlborough_MA_MarlboroughMA_WaterSewer)

The MWRA provides water conservation kits to their customers free of charge. These are available at the Marlborough Department of Public Works. If you are interested in receiving a conservation kit, please contact the Marlborough DPW at 508-6124-6910 x7100.

How to Read This Table

This report is based upon tests conducted in the year 2007 by City of Marlborough. Terms used in the Water Quality Table and in other parts of this report are defined here and at the end of the data tables.

Maximum Contaminant Level or MCL: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal or MCLG: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Although we ran many tests, only the listed substances were found.

Primary Drinking Water Contaminants	Unit	MCL	Highest Detected Level	Range	MCLG	Major Sources	Violation
Inorganic Contaminants							
Nitrate	ppm	10	0.46	0.46-0.46	10	Runoff from fertilizer use; Erosion of natural deposits	NO
Barium	ppm	2	0.01	0.018-0.018	2	Erosion of natural deposits	NO
Fluoride	ppm	4	1.4	0.8-1.4	4	Water additive which promotes strong teeth	NO
Sodium	ppm	none	84	84-84	--	Road salt and erosion of natural deposits	NO
Microbiological Contaminants							
1 Turbidity	NTU	1.0	0.30	0.4-0.6	TT	Temporary insolubility from lime addition and soil runoff	NO
Volatile Organic Contaminants							
TTHMs (Total Trihalomethanes)	ppb	avg=80	avg=11	0.50-48.1	0	By-product of drinking water chlorination	NO
HAA5	ppb	avg=60	avg=9.7	4.3-21.3	0	By-product of drinking water chlorination	NO
Radioactive Contaminants							
Gross Alpha (6/11/2003)	pCi/L	15	0.5	0.5-0.5	0	Erosion of natural mineral deposits	NO
Combined Radium	pCi/L	5	0.7	0.7-0.7	0	Erosion of natural mineral deposits	NO

Water-Quality Table Footnotes: 1. Turbidity level of the filtered water shall be less than 0.3 NTU in 95% of the measurements taken each month and shall not exceed 1.0 NTU at any time. **Turbidity is regulated by Treatment Technique.** These parameters were met.

Key To Tables:
AL = Action Level
MCL = Maximum Contaminant Level
MCLG = Maximum Contaminant Level Goal
NTU = Nephelometric Turbidity Units
ND = Not Detectable
pCi/L = picoCuries per liter
ppm = parts per million, or milligrams per liter (mg/l)
ppb = parts per billion, or micrograms per liter (ug/l)
TT = Treatment Technique

Unregulated Contaminants: Perchlore was tested and was not detected. The water was tested for *Giardia* and *Cryptosporidium* and were not found.

Additional Contaminants Monitored: Lead and Copper:

Compound	90% Value	AL	Range	MCLG	# homes that exceeded AL/# homes tested	Exceedance
Lead	19 ppb	15ppb	0-52 ppb	0	5 of 30	YES
Copper	0.174 ppm	1.3 ppm	0-0.11 ppm	0	0 of 30	NO

For more information on lead, including important health information, please see page 5.