

Your Community

CITY OF MARLBOROUGH DEPARTMENT OF PUBLIC WORKS

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Public Water Supply
2170000

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 calendar year 2012, the City of Marlborough Department of Public Works supplied 1.63 billion gallons of water for use by 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 an indicator of whether or not our drinking water meets applicable health standards. Testing results for 2012 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.

System Wide Leak Detection Survey Completed

The City of Marlborough completed a System Wide Leak Detection Survey that began in 2010 and was completed in early calendar year 2012. All leaks that were found were repaired in conjunction with the survey process.

Perchlorate 3rd Quarter Sampling Non-Compliance

The City of Marlborough was in Non-Compliance with the Department of Environmental Protection for failure to sample for Perchlorate in the public drinking water during the 3rd quarter of 2012 (July-September). The sampling was taken however on December 5, 2012 and showed no detection of Perchlorate in the drinking water.

Volatile Organic Contaminant Sampling Non-Compliance

The City of Marlborough was in Non-Compliance with the Department of Environmental Protection for failure to sample for VOC's in the drinking water during the 2nd quarter of 2012 (April-June). The sampling was eventually taken on October 10, 2012, and results showed no detection of VOC's in the drinking water.

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 2012. Terms used in the table are defined below or within the table itself.

| | MCL | MCLG | Highest Detected | Range | Major Sources | Violation |
|--|--------|------|------------------|-------------|---|-----------|
| Barium (ppm) | 2 | 2 | 0.020 | 0.020 | Erosion of natural deposits | No |
| Sodium (ppm) | none | | 120 | 120 | Road salt, erosion of natural deposits | No |
| Fluoride ² (ppm) | 4 | 4 | 1.0 | 1.0 | Water additive that promotes strong teeth | No |
| Chlorine (ppm) | 4 | 4 | 1.86 | 0.03-4.5 | Water disinfectant | No |
| Turbidity ¹ (NTU) | 1 | TT | 0.95 | 0.95 | Temporary insolubility from lime addition & soil runoff | No |
| TTHMs Total Trihalomethanes (ppb) | avg=80 | ns | avg=33.4 | 11.8 - 86.5 | By-product of drinking water chlorination | No |
| HAA5 (ppb) | avg=60 | ns | avg=15.6 | 7.4 - 44.1 | By-product of drinking water chlorination | No |
| Nitrate (ppm) | 10 | 10 | 0.2 | 0.2 | Fertilizer and soil runoff | No |
| Lead and Copper: 4th Quarter 2011 | | | 90th%* | | Homes exceeding AL of homes tested | |
| Lead (ppb) | 15 | 0 | 13 | 0 - 21 | 3 of 60 | No |
| Copper (ppm) | 1.3 | 0 | 0.075 | 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. Fluoride has been added since 1985 to prevent tooth decay. **Key to Tables: Definitions of MCL, MCLG, AL, and units are found earlier in the report.** TT=Treatment Technique *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 tested in the 2nd Quarter, 2011. **Unregulated Contaminants:** Perchlorate was tested and was not detected. The water was tested for *Giardia* and *Cryptosporidium* and none were found.

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.marlborough-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.

For more information including on meetings, please contact David R. Lavallee, Marlborough Water/Sewer Division General Foreman at 508-624-6910 ext. 7401 or email at dlavallee@marlborough-ma.gov.