



City of Woburn, Massachusetts
Department of Public Works
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Public Water Supply
3347000

Thomas Quinn, Superintendent

Dear Water Customer:

The Woburn Department of Public Works, in conjunction with the Massachusetts Water Resources Authority (MWRA) supplies potable water to approximately 12,500 residential and commercial customers. This report provides information on the quality of water supplied through the municipal well field at Horn Pond. There are 5 wells in the field (A2, B, C2, D2, I) that have a combined capacity of 5.9 million gallons per day. MWRA water quality information is contained elsewhere in this report. The water quality data results are based on annual testing performed in 2010.

The city obtains and tests samples from each well for volatile and synthetic organic compounds, inorganic compounds and bacteria. Within the distribution system, twenty-one separate locations are tested weekly or quarterly for bacteria, trihalomethanes, haloacetic acids, iron, manganese, lead and copper. Other sites are tested periodically. All testing sites are scheduled and approved by the Massachusetts Department of Environmental Protection.

WATER QUALITY DATA

Contaminant	Average sample	Range detected	MCL	MCLG	Violation (Y/N)	Possible Sources of contamination
Arsenic (ppb)	0.54	<0.8-2.1	10	10	No	Erosion of natural deposits
Barium (ppm)	0.021	0.014-0.035	2	2	No	Common mineral in nature
Cadmium (ppb)	0.008	<0.05-0.06	5	5	No	Corrosion of pipes, runoff
Chromium (ppb)	0.67	<1-1.96	100	100	No	Erosion of natural deposits
Fluoride (ppm)	1.0	0.9-1.2	4	4	No	Water additive which promotes strong teeth
Nitrate (ppm)	0.67*	0.02-0.67	10	10	No	Atmospheric deposition
Sodium (ppm)	98.9		NA	NA	No	Water treatment, common mineral in nature

Lead and Copper

	90% Value	(Target) Action Level	(Ideal Goal) MCLG	# of homes that failed AL/ # of homes tested
Lead	6.7 ppb	15 ppb	0	0 of 35
Copper	0.124 ppm	1.3 ppm	0	0 of 35

DISINFECTANT BY-PRODUCT RULE

Compound	Unit	MCL	MCLG	Running Annual Avg.	Range	Source	Violation
Total Trihalomethanes	ppb	80	ns	25.3	25.1 to 32.3	Byproduct of water disinfection	No
Haloacetic Acids 5	ppb	60	ns	4.6	nd to 5.7	Byproduct of water disinfection	No

Definitions of terms and abbreviations (e.g., MCL and MCLG, etc.) are found on the attached MWRA Annual Water Quality Report. The MWRA Report also includes other "required" U.S. EPA information for consumers.

Distribution

The Department of Public Works is continuing an aggressive policy of system maintenance and the implementation of a major capital improvements program. These include the following programs, which are under design or being constructed.

- Continued intense city-wide valve maintenance and hydrant flushing program to remove sediments from the system and improve the operation of valves and hydrants.
- The Horn Pond Water Treatment Plant filtration upgrade for the removal of iron and manganese within the city wells and the new Rag Rock Storage Tank on Hillside Avenue will be on line in early spring.
- Completion of the cleaning and relining of the following water mains to improve transmission capacity and water quality: Salem Street and Pine Street
- Proposed cleaning and relining of the following water mains: Campbell St., Nashua St., Second St., Everett St., Union St., Walnut St., Wade Ave., Myrtle St., Summer St., Edgehill Lane, Bennett St., Church Ave. and Court Street.
- New 8" water mains on Lydon Court

Source Water Assessment Program (SWAP)

In 2003, the DEP conducted a Source Water Assessment to assess the susceptibility of the water supply within the City of Woburn. The DEP susceptibility rating was high. The city conducts an extensive monitoring program in and around its drinking water sources. The complete SWAP report is available online at www.mass.gov/dep/water/drinking/swapreps.htm.

Meetings

Water committee meetings are held by City Council at City Hall. Public notice for these meetings can be found in the local newspapers, City Hall, and/or online at www.cityofwoburn.com.

The City of Woburn is committed to providing clean and safe water to its residents and will continue to implement improvements that will allow us to meet this goal now and in the future.