



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. MWRA water quality information is contained elsewhere in this report. The following water quality data contains results based on annual testing performed in 2009.

**WATER QUALITY DATA**

Contaminant	Average sample	Range detected	MCL	MCLG	Violation (Y/N)	Possible Sources of contamination
Arsenic (ppb)	0.12	1.06 – 1.17	10	10	No	Erosion of natural deposits
Barium (ppm)	0.023	0.013 – 0.035	2	2	No	Common mineral in nature
Chromium (ppb)	0.055	<1 – 1.05	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)	0.85*	<0.005 – 0.85	10	10	No	Atmospheric deposition
Nitrite (ppm)	0.009*	0.007 – 0.009	1	1	No	Byproduct of water disinfection
Sodium (ppm)	83	67-140	NA	NA	No	Water treatment, common mineral in nature

\* As required by DEP, the maximum result is reported for nitrate and nitrite.

In addition to above, 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.

**Lead and Copper**

	90% Value	(Target) Action Level	(Ideal Goal) MCLG	# of homes that failed AL/# of homes tested
Lead	9.1 ppb	15 ppb	0	0 of 35
Copper	0.155 mg/l	1.3 mg/l	0	0 of 35

For further information on lead, including health language from EPA, please see page 5.

**DISINFECTANT BY-PRODUCT RULE**

Compound	Unit	MCL	MCLG	Running Annual Avg.	Range	Source	Violation
Total Trihalomethanes	ppb	80	0	24.4	0.7 to 51.5	Byproduct of water disinfection	No
Haloacetic Acids 5	ppb	60	0	5.8	ND to 12.2	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 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 is under construction.
- Replacement of the Rag Rock Storage Tank on Hillside Avenue is under construction.
- Completion of the cleaning and relining of the following water mains to improve transmission capacity and water quality: Nashua Street, Porter Street, Warren Road, Lawrence Street, Sturgis Street, Water Street, Beacon Street, Evan Street, Reed Street, Morse Street, and Foster Street.
- Proposed cleaning and relining of the following water mains: Campbell St., Nashua St., Second St., Union St., Walnut St., Wade Ave., Myrtle St., Summer St., Edgehill Lane, Bennett St., Church Ave., Salem St and Pine St. and Court St.
- New 12" water mains on Beach Street, Lowell St., Sendick Rd and new 8" water mains on School St., Mostika Rd., Van Norden St, Dickson Rd., Rodgers Ave. and Jefferson Ave.
- Installation of a new water main on Willow (12") and Locust (8") Streets.

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.