



TOWN OF NORTHBOROUGH

Telephone: 508-393-5030

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Public Water Supply  
# 2215000

Dear Northborough Water Customer;

Northborough is again joining the other MWRA communities in providing our water users with the Annual Water Quality Report produced by the MWRA. For calendar year 2010, 80% of Northborough's water has been pumped from the MWRA system. The balance comes from the Lyman Street well which has been online with appropriate treatment since 2009.

After pumping the water from MWRA and the Lyman St well, Northborough is responsible for delivering the water to our customers. MWRA's water receives complete treatment. MWRA adds fluoride, which is done to prevent tooth decay/cavities. The Water Division maintains over 70 miles of distribution pipelines, over 550 fire hydrants and services 4,084 accounts. In 2010, the Town of Northborough Water Department distributed 330 million gallons of water to Northborough customers. As part of the Department's routine maintenance program, the Department flushes the entire system to remove sediment and other debris. Additionally, we perform leak detection semi-annually.

**IMPROVEMENTS**

The Water Department is evaluating, upgrading, cleaning and lining water mains on an on-going basis. The construction of the new Brigham Street well has been approved by DEP. The Water Department has almost completed replacement of all the outside water readers with radio transmitters inside the house, at the meter. Only 200 meters remain to be replaced. **If you do not already have one, please call the Department at the number above to schedule free installation.**

**CROSS CONNECTION**

Northborough has an ongoing program to eliminate possible cross connections from the distribution system. A cross connection can happen when water gets suctioned back into the water system by negative pressure which can be caused by using hydrants to fight a fire or a water main break. Any homeowner who has an irrigation well must have it inspected by the Water Department to ensure that there is no cross connection between the municipal water system and the irrigation well. (As always, since June 1985, no irrigation systems can be connected to the municipal water system. All irrigation systems must be connected to a private well.)

**WATER ANALYSIS**

The Town of Northborough and MWRA continue to analyze water samples on a routine basis and met all standards. Northborough had only a reporting violation during calendar year 2010.

**LEAD & COPPER RESULTS**

Northborough has conducted lead and copper testing and found that the Action Levels for both lead and copper were met.

Listed below are substances detected in Northborough drinking water in 2010.

SUBSTANCE (Contaminant)	HIGHEST LEVEL DETECTED	RANGE OF DETECTION	HIGHEST LEVEL ALLOWED	IDEAL GOALS	SOURCES OF CONTAMINANT
Barium	0.03 ppm	0.03	2	2	Common mineral in nature
Fluoride	1.1 ppm	0.9 - 1.1	4	4	Additive for strong teeth
Nitrate	0.75 ppm	0.75	10	10	Disinfection byproducts
Chlorine residual	0.95 ppm	0.74 - 1.06	4	4	Disinfection
Trihalomethanes	5 ppb	0.0 - 10.1	80	NA	Disinfection byproducts
Haloacetic acids	3 ppb	0.0 - 6.3	60	NA	Disinfection byproducts
MICROBIOLOGY					
Total Coliform (highest # of detections per month)	0	0-0	1	0	Naturally present in the environment
LEAD AND COPPER					
SUBSTANCE (Contaminant)	90th PERCENTILE	# OF SAMPLES EXCEEDING ACTION LEVEL	ACTION LEVEL (AL)	MAXIMUM CONTAMINANT LEVEL GOAL (MCLG)	
Lead	1.64 ppb	0	15 ppb	0	
Copper	287 ppb	0	1300 ppb	0	

The Northborough Water Department continues its commitment to provide our customers with high quality water. If you have any questions, want to be involved in the decision making process, or want more information please call Kara Buzanoski, DPW director at 508-393-5030 in the DPW Department office. The office is located at 63 Main Street in the Town Hall.