



**Southborough  
DEPARTMENT OF PUBLIC WORKS**

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(508) 485-1210

Public Water Supply  
# 2277000

Town of Southborough and the MWRA are pleased to provide our customers with the 2014 Annual Water Quality Report.

**SOUTHBOROUGH'S WATER SYSTEM (PWSID#2277000):** The Town of Southborough purchases 100% of our water from the MWRA. The Town pumps fully treated water from the MWRA's distribution system into the Town's distribution system at the Town's two pumping stations. The Town's three water tanks control the water system. The Department of Public Works (DPW) manages the Town's water system. There are 3 full-time, highly dedicated, employees that comprise your DPW Water Division. The Water Commissioners are Southborough's Board of Selectmen. The Selectmen meet on Tuesday nights in the Town House Public Hearing Room; the meetings are televised. The Town website, southboroughtown.com, posts the Selectmen's agendas along with water reports and other water system information. Water customers are encouraged to participate at Selectmen's meetings that discuss water issues.

**WATER CONSERVATION:** In an effort to meet the Water Management Act (WMA) standards and to encourage conservation, Southborough implemented a voluntary water ban for summer 2014. Summer 2014 was dry and the Town's water usage increased 2% over last year's usage, or 7.47 million gallons (MG). The Town pumped 353 MG of water into our distribution system in 2014. Southborough residents did not meet the WMA standard of 65 gallons per person per day in 2014.

**WATER SYSTEM MAINTENANCE:** A contractor examined all of the Town's water mains as part of our annual leak detection survey. The survey identified 11 hydrant leaks and 2 service leaks. In all, 3 water main breaks, 10 service leaks and 13 hydrants were repaired in 2014. The water main break on Route 9 eastbound at the intersection with Oak Hill Road was the worst break of the year. This main is scheduled for replacement in 2015. The Water Division performed the annual flushing program in the last week of April. The flushing program flushes water mains in order to remove naturally occurring tuberculation and sedimentation. Throughout 2014 the Water Division employees performed all required routine system maintenance.

**WATER SYSTEM IMPROVEMENTS:** Upgrades to the Boland Pumping Station were completed in 2014.

**BACKFLOW PREVENTION (CROSS CONNECTIONS):** Southborough continues to enforce the Department of Environmental Protection (DEP) mandated cross connection control and prevention program under 310 CMR 22.22 through device testing and cross connection surveys. A cross connection happens when negative system pressure, usually created by high volume flows such as a main break or fire fighting, suction water back through services into the system. The Town performs cross connection surveys at businesses to ensure required backflow prevention devices are in place and tests the devices to make sure that they are working properly. Backflow devices are required on all lawn irrigation systems, even at residences.

**DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) SANITARY SURVEY:** The DEP did not perform a sanitary survey on Southborough's water system in 2014.

**DEP NOTICES OF NON-COMPLIANCE:** The Town's water system does not have any outstanding Notices of Non-Compliance.

**WATER ANALYSIS:** The DEP requires that Southborough sample the water from three locations with vinyl-lined asbestos cement pipe each year for PCE (tetrachloroethylene). The Town is also required to sample 10 sites each month for the presence of coliform bacteria and 15 sites once a year for the presence of lead and copper. No PCE or total coliform was found in 2014. The 90th percentile lead and copper results are below.

COMPOUND	MCLG	ACTION LEVEL	90 <sup>th</sup> PERCENTILE 9/3/14	VIOLATION
Lead (ppb)	0	15	2.62	NO
Copper (ppb)	1300	1300	106	NO

\* Note: Definitions of terms and abbreviations (e.g., MCL and MCLG, etc.) are found in the attached MWRA Annual Water Quality Report.

**Questions? Contact Karen Galligan, DPW Superintendent, at the DPW 508-485-1210.**