



Southborough
DEPARTMENT OF PUBLIC WORKS

147 Cordaville Road, Southborough, MA 01772
(508) 485-1210

Public Water Supply
2277000

Town of Southborough and the MWRA are pleased to provide our customers with the 2013 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 4, full-time, highly dedicated employees that comprise your DPW Water Division. The Water Commissioners are on 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 2013. Summer 2013 was a somewhat dry summer and the Town’s water usage increased 4% over last year’s usage, or 13.8 million gallons (MG). The Town pumped 345 MG of water into our distribution system in 2013, Southborough residents did not meet the WMA standard of 65 gallons per person per day 2013.

WATER SYSTEM MAINTENANCE: A contractor examined approximately half (52 miles) of the Town’s water mains as part of our annual leak detection survey. The survey identified 6 hydrant leaks and 2 service leaks. In all, 1 water main break, 11 service leaks and 6 hydrants were repaired in 2013. The water main break was on Route 9 eastbound at the intersection with Oak Hill Road. This main is scheduled for replacement in 2014-2015. 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 2013 the Water Division employees performed all required routine system maintenance.

WATER SYSTEM IMPROVEMENTS: The Town completed the water main extension on Route 9 westbound between Willow Street and Pleasant Street. The Water Division completed the residential meter replacement program. The Town bid the Boland Station Upgrade Project and work began in fall 2013. The project will be 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, suctions 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 performed a Sanitary Survey on the Town’s Water System. Three Administrative Action Items were identified and addressed in 2013.

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 2013. The 90th percentile lead and copper results are below.

COMPOUND	ACTION LEVEL	DETECTION LIMIT	90 th PERCENTILE 9/13/13	VIOLATION
Lead (ppb)	15	0.05	2.62	NO
Copper (ppb)	1300	0.5	106	NO

*Note: Definitions of terms and abbreviations (e.g., Action Level 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.