

## Annual Water Quality Report

This is our 14<sup>th</sup> annual water report. We are pleased to be reporting the results of our 2011 water quality report. It is our goal to produce the highest quality water for our consumers. We had no water quality violations last year.

If you have any questions about the water system please feel free to contact Michael Towler at the Lee Water Department at 413-243-5526.

## Meeting Schedule:

Place: Lee Department of Public Works office

Day: 2<sup>nd</sup> & 4<sup>th</sup> Tuesday

Time: 3:30 p.m.

## Where Does Our Water Come From?

The water sources used regularly are the Leahey Reservoir, located on the upper reach of the Coddington Brook Watershed and the Schoolhouse Reservoir located in the Washington Mountain Brook Watershed. The Town also has the availability of the Vanetti Reservoir located in the Commons Brook and Coddington Brook Watersheds. The Town of Lee Water Works System serving approximately 5,200 people. The current average water consumption is approximately 600,000 gallons per day. The Leahey Reservoir has a drainage area of about 0.75 square miles with a safe daily yield of .75 million gallons a day. Schoolhouse Lake Reservoir has a safe daily yield of 1.57 million gallons a day and Vanetti reservoir has a safe daily yield of 100,000 gallons a day. The Town of Lee is well positioned to treat up to 2 million gallons a day and its water supply is abundant. Even with the recent rains, and full reservoirs, water conservation is of the utmost importance.

**Each year The Town of Lee** conducts water quality testing according to requirements set by the Massachusetts Department of Environmental Protection (DEP) and the U.S. Environmental Protection Agency (EPA).

In order to ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by the public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water. These tests confirm that your tap water meets all state and federal drinking water quality standards and that your water is safe to drink.

**The Lee Water Department recommends** the installation of backflow prevention devices, such as **low cost** hose bib vacuum breaker, for all inside and outside hose connections. You can purchase this at a hardware store or plumbing supply store. This is a great way for you to protect the water in your home as well as the drinking water system in your town! For additional information on cross connections and the status of your water system's cross connection program, please contact **Michael Towler Lee Water Department (413) 243-5526**

## Source Water Assessment and Protection

In 2003 a Source Water Assessment and Protection (SWAP) Report was completed by the Massachusetts Department of Environmental Protection for the Lee reservoirs. The reservoirs were ranked moderate for susceptibility for contamination. The complete SWAP report is available at the Lee DPW office at 45 Railroad Street.

## Contaminants that may be present in water includes:

Microbial contaminants-such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants-such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial, or domestic wastewater discharge, oil and gas production, mining or farming.

Pesticides and herbicides-which may come from a variety of sources such as agricultural, urban storm water runoff.

Organic chemical contaminants-including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

Radioactive contaminants-which can be naturally occurring or be the result of oil and gas production and mining activities.

Disinfectant By-Products-are organic compounds produced when chlorine, a disinfectant used to kill bacteria in the water supply, reacts with naturally occurring organic matter.

**Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants.**

**The presence of contaminants does not necessarily indicate that water poses a health risk. Some people may be more vulnerable to contaminants in drinking water than the general populations. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and some infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers.**

**For more information about contaminants and potential health effects you may contact the "EPA/Center for Disease Control and Prevention Guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other Microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791)."**

## What is a Cross Connection and What Can I do About it?

A Cross-connection is a connection between a drinking water pipe and a polluted source. The pollution can come from your own home. For instance, you're going to spray fertilizer on your lawn. You hook up your hose to the sprayer that contains the fertilizer. If the water pressure drops (say because of fire hydrant use in the town) when the hose is connected to the fertilizer, the fertilizer may be sucked back into the drinking water pipes through the hose. Using an attachment your hose called a back-flow-prevention device can prevent this problem.