



**Town of Groveland  
Water and Sewer Department  
183 Main Street  
Groveland, MA 01834  
(978) 556-7200 x 220 Fax (978) 373-6147**

**2009 Annual Town Report for the Water and Sewer Department**

To the Citizens of the Town of Groveland:

The **Water Department** was started in 1965 after buying water from Haverhill for many years. It is municipally owned by the Town of Groveland. All of our water supply is derived from gravel packed wells. These wells are primarily located near the Merrimack River. We supply 1,909 service connections to approximately 6,733 people through 36.5 miles of main. The system is split into two service zones, Low and High. Static pressure is achieved by a 2 Million gallon Storage Tank located off King St. and our High zone is service by a 1000 gpm Booster Station located on Main St.

On an average day, the Department pumps about 400 thousand gallons per day from our three active wells. Water is treated for corrosion control. Fluoridation and chlorination is also added to the water supply.

The **Sewer Department** started in 1977 and is also municipally owned. Wastewater is sent to the Haverhill Waste Water Treatment Plant. The Department operates and maintains 6 lift stations and one pump station.

**Water Department 2009**

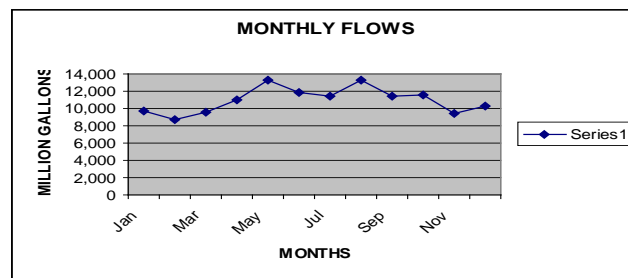
The 2009 Water Quality Report (CCR) is being prepared by the Department and will be mailed out in the spring bill. It will be available to all customers at the Water Departments Office. The Town of Groveland continues to provide high quality drinking water to its customers.

There was 1 new water service connections activated this year.

In the year 2009 the department pumped a total of 131.4 million gallons of water, which is down 6.5 million gallons from last year. On the maximum peak day, June.7Th, we pumped 843 thousand gallons of water.

During the annual hydrant flushing program we flushed 98 hydrants throughout the town. Hydrant flushing enhances water quality by flushing sediment from the mainline pipes, verifies proper operation of hydrants and valves, and maintains firefighting capability

In the year 2009 the department pumped on average 0.360 million gallons of water per day. Our current withdrawal permit with MADEP is set at 0.410 million gallons a day. Our ten year running average is 0.400 MGD.



<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>
9.674	8.761	9.578	10.995	13.318	11.806
<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
11.359	13.279	11.451	11.525	9.419	10.221

In millions of gallons

Unaccounted for water was 8%, the goal as set by the DEP is 10%. "Unaccounted water" is the difference between the water billed to consumers (metered consumption) and the amount of water that entered the system (metered supply). It includes domestic and non-domestic meter under-registration, unauthorized hydrant openings, piping leakage, and illegal connections. Water that is lost is not used, and is therefore wasted. It not only represents a loss to the water supplier who receives no compensation for the distribution of this water, but also a loss to the consumer, who is missing out on the opportunity to consume this water.

We are still working with Nichols Trust on Main Street to complete construction of that project and the repaving of Main Street.

The addition of a new Water Storage Tank is still in our future. The Department has allocated funds to purchase land for the project, in anticipation of building a .800 million gallon tank.

We are in the final phase of our radio read upgrade program to the current water meters. You may notice some activity around your home. The men performing the upgrade work directly for the department. The trucks are clearly marked, they carry a photo IDs and are usually wearing labeled shirts. If you have any question please call the Water & Sewer office @ 1-978-556-7200.

### Sewer Department 2009

The total wastewater pumped to the City of Haverhill wastewater treatment plant was 84.760 million gallons for the year.

Eight new customers were connected to the Town's sewer system this year bringing to the total customers to 901.

This year the Department has contracted Water Line Services to replace the master meter in the Main Street sewer pump station. This upgrade will give the Department more accurate flow data, this should give us a better picture of any infiltration to the system. We have also completed the preliminary engineering needed to upgrade all the water & sewer facilities with a computer based control system. SCADA, Supervisory Control And Data Acquisition, has become an industry standard and will bring the Department up to current expectations

Respectfully submitted,  
Bruce W. Adams, Chair  
John G. Willett  
James M. Sheehan  
Thomas D Cusick Jr., Superintendent  
Pat Rogers, Office Manager

*"And it never failed that during the dry years the people forgot about the rich years, and during the wet years they lost all memory of the dry years. It was always that way." ~ John Steinbeck*