

Town of Groton – Well Water Sampling and Quality Testing Requirements

All private wells and non-essential private wells shall be disinfected following construction, rehabilitation, and well or pump repair before the well is placed into service. The well shall be pumped to waste (not to the septic system) until the water is as clear as possible. Thereafter the well and pumping equipment (and plumbing, if installed) shall be disinfected with a solution containing at least 50 ppm of chlorine. The well shall remain in contact with the chlorine solution for a minimum of 24 hours before the well is pumped to waste (not to the septic system) and the water found to be free of chlorine.

The Groton Board of Health, Nashoba Associated Boards of Health, Massachusetts Department of Environmental Protection Certified Laboratories or other persons approved by the Groton Board of Health shall collect water samples immediately following construction or rehabilitation and disinfection of a well. A representative sample for laboratory analysis shall be collected at pump discharge or from a tap in the pump discharge line. Chemical and bacteriological analysis shall meet the standards set forth by Massachusetts Department of Environmental Protection Water Supply Division regulations for potable water for the following items:

total coliform, fecal coliform/E.coli, arsenic, lead, nitrate nitrogen, nitrite nitrogen and approval of the results by the Groton Board of Health or the Nashoba Associated Boards of Health shall be obtained before the well shall be put into service as a potable supply. All wells shall be tested for the following secondary standards: **calcium, copper, iron, magnesium, manganese, potassium, sodium, alkalinity, chloride, chlorine, color, conductivity, fluoride, hardness, odor, pH, radon, sulphate, turbidity, and sediment.**

The water sample shall be analyzed by a laboratory certified to perform drinking water analysis by the Massachusetts Department of Environmental, and a record of the results sent to both the Groton Board of Health and the Nashoba Associated Boards of Health.

The Board of Health may require that suspected contaminated wells be tested, for any biological, chemical, or radiological contaminant. The sample shall be collected by the Board of Health or its Agent.

Arsenic levels shall not exceed 10 ppb. Radon levels shall not exceed 10,000 pCi/L. Should the result exceed the standards, treatment followed by retesting is required.

Water with radon levels exceeding 10,000 pCi/L shall require notification through the property deed. Absorption and absorption filters such as charcoal, which would become radioactive waste as a result of their use, shall not be used for radon removal from water. Untreated or "raw" water with arsenic levels that meet or exceed 10 ppb shall require notification through the property deed.

All wells located on property to be sold shall be tested and the results submitted to the Board within six months, but no less than 30 days, prior to the transfer of ownership. This shall be recorded on the deed at the Registry of Deeds prior to occupancy of the premises.

Any dwelling on property with a lot line that is within 500 feet of a water main must be connected to a municipal water supply system.

Town of Groton Board of Health
Well Regulations- Amended & Adopted May 1, 2006