

CHAPTER V

Interconnections between Public Water Supplies and Private Sources of Supply

1. Definitions: The following words used in these Rules and Regulations shall have the following meanings:

“Public Water Supply” – Water furnished by the Water Department of the Town of Hamilton.

“Private Water Supply” – Water from any source other than public water supply.

“Air Gap” – The unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet supplying water to a tank or plumbing fixture and the flood level rim of the receptacle or plumbing fixture.

“Plumbing Fixture” – A plumbing fixture is a receptacle which receives and discharges water liquid or water-borne wastes into a drainage system with which it connects.

“Supply Water” – Water furnished under pressure or gravity to any plumbing fixture or pipe.

“Waste Water” – Any water passing through or deposited in a plumbing fixture.

2. There shall be no connection between a private water supply and a public water supply in any dwelling, building or accessory building.
3. In dwelling, buildings, or accessory buildings served by the public water supply there shall be an air gap between the supply and the waste water sufficient to permit overflow of the waste water without backing up into or contaminating the supply in the event of stoppage, backing up or backflow of the waste water or backflow or “back siphonage” of the supply.
4. Private Well Water Supply Regulations:

- I. Definitions:

“Well” – as used in these regulations, shall include any pit, pipe, excavation, casing, drill hole or other private source of water to be used for the purpose of supplying potable water in the Town of Hamilton.

“Water Systems” – as used in these regulations shall include pipes, valves, fittings, tanks, pumps, motors, switches, controls and appurtenances installed or used for the purpose of storage, distribution, filtration, treatment or purification of water for any use whether or not located inside of a building.

- II. Wells

- A. No well shall be installed until a permit has been issued by the Board of Health.

1. No building permit shall be issued for the construction of a building which necessitates the use of water therein from a well located on the land where the building is to be constructed, until a well has been installed and the Board of Health has determined that a safe and adequate supply of potable water is available.
 2. Major renovation or repair of existing wells and/or water systems must be approved by the Board of Health before a permit will be issued.
- B. The well contractor shall observe reasonable sanitary measures and precautions in the performance of his work in order to prevent the pollution or contamination of the well.
1. Newly constructed wells or wells where repair work has been done shall be thoroughly disinfected before being put to work.
 2. All abandoned wells shall be tightly sealed by approved methods or filled with clean earth or preferably clay to prevent pollution or ground water.
 3. There shall be a separate well for each dwelling, and it must be at least 100 feet from any septic tank or leaching field and set back a minimum of 25 feet from all streets.
- C. Every well must supply adequate water for the purpose for which it is intended and shall give satisfactory evidence of continuing capability to do so.
1. Before being approved, every well shall be pump tested by the well contractor. The results of the pump test shall be submitted on a form prescribed by the Board of Health and kept as a public record.
 2. In cases of new construction the Board of Health will require the submission of a water analysis report, to include a bacterial and chemical evaluation by a laboratory approved by the Board of Health or the Massachusetts Department of Public Health before the issuance of a building permit.
 - a. When the Board of Health requires the treatment of a water supply, a permit will be issued conditionally requiring an appropriate treatment facility to be installed and tested prior to a final approval of the water system.

III. Water Systems

- A. There shall be a separate water system for each dwelling and it shall not be installed or materially altered hereafter until a permit has been issued by the Board of Health. The Board will require a description of the installation with each application for such permit. Emergency work for repairs or service of existing equipment not amounting to a substantial renovation or overhaul may be done without a permit.
1. The water pipe from the house to the well pit or pitless adapter and all wiring therefore shall be properly enclosed by a pipe or cooper tubing, not lighter than Type L or otherwise an equal.

2. All pumps, motors and tanks shall be placed on a suitable foundation, and all equipment and parts of the system that may require adjustments or service shall be made readily accessible.
 3. All pump houses, pump or pipe pits and wells shall be designed and constructed so as to prevent flooding and otherwise to prevent the entrance of pollutants or contaminants.
- B. The Board of Health shall require the installation of all necessary switches, controls and devices, and the satisfactory performance of a pressure and operating test of the system before final approval; and the test must demonstrate that the system will deliver adequate pressure and volume consistent with the well and the well requirements. The Board of Health must be given reasonable notice of when the installation is ready for inspection.
- C. No certificate of occupancy shall be issued until all the provisions of these regulations have been met. The required inspections and these regulations cannot be construed as a guarantee by the Town of Hamilton, or its agents that the water system will function satisfactorily.

5. Penalties:

- I. Any person who shall violate any provisions of these regulations for which a penalty is not otherwise provided in any of the General Laws or the Sanitary Code shall upon conviction be fined not less than ten nor more than fifty dollars.
- II. Any dwelling, building or accessory building not meeting the requirements of Paragraphs 2, 3 and 4 of this Chapter shall have the water supply turned off by written order of the Board of Health. Water turned off by the Board of Health may not be turned on without written order of the Board of Health.