

**TOWN OF RAYNHAM BOARD OF HEALTH  
MINIMUM SANITATION STANDARDS FOR PRIVATE AND SEMI-PUBLIC  
WATER SUPPLY**

**Purpose & Scope:**

The purpose of these regulations is to set forth standards where the Raynham Board of Health, acting under the authority conferred by M.G.L. Chapter 111, Section 31, governs the installation of private and semi-public water supply within the Town of Raynham.

**Regulation 1. Terms/Definitions**

- 1.1 Well - the word "well" so used in these regulations shall include any pit, pipe, excavation, spring, casing, drill hole or other source of water to be used for any purpose of supplying potable water in the Town of Raynham and shall include dug well, driven or tubular wells, drilled well (artesian or otherwise) and springs, gravel packed, gravel walled wells, gravel developed and wash boring.
- 1.2 Water systems - the words "water systems", 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 inside a building.
- 1.3 Private Water Supply - the term "private water supply" means any water system serving or intended to serve water for human consumption or for domestic uses for one dwelling on one lot. The system shall include all of the sources, treatment works and transmission lines to the point where distribution takes place within the building.
- 1.4 Semi-Public Water Supply - the term "semi-public water supply" means any well water system serving or intended to serve water for human consumption or for other uses or purposes to multiple dwellings of two or more units or to more than one multiple dwelling under a single ownership and located on the same lot, and shall include; restaurants, schools, institutions, motels, mobile home parks, recreational camps for children, parks and clubs. Said well water system shall serve no more than twenty-four (24) people and have no more than fourteen (14) service connections
- 1.5 Public Water Supply - the term "public water supply" as used in these regulations shall mean water provided by the Raynham Center and North Raynham Water Districts or any other municipal supplier to the Town of Raynham.
- 1.6 Non-Community Public Water Supply - the term "non-community public water supply" means as defined in the Commonwealth of Mass. Drinking Water

Standards 310 CMR 22-29; enforced by the Massachusetts Department of Environmental Protection.

## **Regulation 2. Wells**

- 2.1 No well shall be installed until a permit has been obtained by the Board of Health or its agent. The fee for this permit shall be set by the Board of Health from time to time.
- 2.2 The well contractor shall observe reasonable sanitary measures and precautions in the performance of his work in order to prevent pollution or contamination of the well.
- 2.3 A plot plan shall be submitted to the Board of Health indicating the location of the well.
- 2.4 A well shall be located at least 25 feet from the street and 100 feet from any leaching system.
- 2.5 Wells must be properly curbed and covered to prevent entrance of contamination and to divert surface drainage away from the well.
- 2.6 Evidence of the yield of the well (the rate of flow) must be submitted to the Board of Health by the well contractor or property owner.
- 2.7 Only one well per building is allowed.
- 2.8 An auxiliary power supply must be available to maintain a water supply for multiple dwellings (or multiple dwelling units).
- 2.9 Lots without public water shall contain a minimum of 60,000 s.f.

## **Regulation 3. Sanitation, Production & Quality**

- 3.1 Sanitary protection must be incorporated into the construction of the well and final finishing at grade must be properly curbed and covered to prevent entrance of contamination and to divert surface drainage away from the well.
- 3.2 All newly constructed wells shall be disinfected in accordance with all applicable State Standards.
  - 3.2.1 Before approval every well shall be pump tested. The results of the pump Test shall be submitted to the Board of Health for approval.
  - 3.2.2 A bacteriological test to indicate a 0/100 ml coliform density must be

conducted for private wells once a year and once every three (3) months for semi-public water supplies. Non-community public water supplies shall meet Massachusetts Drinking Water Standards 310 CMR 22-29 in this regard.

- 3.2.3 A full chemical analysis is required at the time of construction (for all installations). The quality of drinking water must meet U.S.E.P.A. and Massachusetts Drinking Water Standards. Further testing may also be Required if the Board of Health or its agent notes any extenuating Circumstances.
- 3.3 All private & semi-public water supplies shall be registered with the Board of Health.
- 3.4 The owner of any semi-public water or non-community public water supply shall furnish at the request of the Board of Health or its agent a complete report or other particular information concerning the condition and operation of the water system or any part of it.
- 3.5 Pump houses or pump rooms shall be kept in a sanitary condition at all times. Equipment with gas powered engines shall not be stored in the pump room. Insecticides and fertilizers shall not be stored in the pump room.
- 3.5.1 Pump house, pump or pipe pits and wells shall be designed and constructed to allow easy access for maintenance and to prevent the entrance of pollution or contamination.
- 3.6 No person shall install or enter into a contract for installing or making additions, modifications, or alterations to any "semi-public" water supply before submitting complete plans, specifications and descriptions to the Board of Health and receive from it written approval. Private and semi-public water supply systems shall be approved by the Board of Health before occupancy is permitted.
- 3.7 Non-Community Public Water Supply Systems shall be approved by the Massachusetts Department of Environmental Protection before occupancy is permitted.

#### **Regulation 4. Water Conditioning**

Permanent disinfection of a polluted water supply is prohibited.

#### **Regulation 5. Prohibitions**

- 5.1 Surface water supplies for private or semi-public water supplies shall be prohibited.

5.2 Cisterns shall be prohibited.

5.3 Cross connections shall be prohibited. No cross connection between a private source of water supply and a public water supply shall be allowed.

5.4 The Board of Health may require the owner of an existing building or buildings, wherever a public water line is accessible in an abutting way to cause such building or buildings to be connected with the public water line in a manner and within a period of time satisfactory to the Board of Health.

5.5 Board of Health shall grant approval for the installation of irrigation wells in public water supply areas when the following conditions have been met:

5.5.1 The irrigation well shall be an artesian or bedrock well and shall be used for the irrigation purposes only and only for the lot where the well is installed

- a. All underground sprinkler heads of the irrigation system shall be a minimum of 25' from any septic system and all underground sprinkler line shall be a minimum of ten (10) feet from any septic system.
- c. The irrigation well shall be tested in accordance with all drinking water supply well standards, as stated in Board of Health Regulations 3.2.2 and 3.2.3.
- d. The irrigation well shall be registered with the D.E.M. An As-Built Plan of the well location shall be provided to the Raynham Board of Health.
- e. The irrigation well shall also comply with all applicable Local and State Regulations.
- f. Should the irrigation well not be used for a period of two (2) years, it shall be abandoned by taking any other action necessary to make the area safe from potential accidents.
- g. Irrigation well shall be located at least 25 feet from the street and 50 feet from any leaching system.

5.6 A well must be located on the lot it serves. Service of more than one lot is prohibited.

5.7 Public or private drinking water or irrigation wells shall not be constructed in the vicinity of the Town's Sanitary Landfill, an area known as the Landfill Buffer Zone and described as follows:

Beginning at a point where King Philip Street intersects the abandoned Railroad Right of Way, then following said abandoned Railroad Right of Way in a Southerly direction until it intersects East Britannia Street; then heading east following East Britannia Street until it intersects Thrasher Street; then following Thrasher Street southerly, until it intersects the City of Taunton/Town of Raynham line, then following a southeasterly direction until said line intersects South Main Street, following South Mains Street in a northeasterly direction to the intersection with the Forge River, then following the centerline of the Forge River in a northerly direction until King's Pond; then following the centerline of King's Pond until it intersects with Mill Street; then following Mill Street in a southwesterly direction until it intersects King Philip Street, then following King Philip Street in a northeasterly direction to the point of beginning .

## **Regulation 6. Potable Wells and Property Transfers**

6.1 When a property is sold or transferred, a standard water quality test for the existing potable well shall be provided by the seller. A copy of the original analysis report is to be provided to the Raynham Health Department along with the Title 5 Inspection Report. All potable well analysis shall be performed by a State-certified laboratory. The potability testing shall include as a minimum:

1. Coliform bacteria (if present),
2. pH,
3. specific conductance,
4. turbidity,
5. alkalinity and hardness,
6. ammonia, nitrate and nitrite,
7. chloride,
8. sulfates,
9. sodium,
10. potassium,
11. calcium,
12. magnesium,
13. manganese,
14. iron,
15. lead and copper.

6.2 All new dwellings or buildings which require potable water must connect to the existing municipal water service. A potable well may be installed by a licensed well driller if municipal water service is unavailable or not feasible for the property. Prior to Raynham Health Department signoff on any Certificate of Occupancy, a standard water quality test shall be taken within one year of the request for Certificate of Occupancy and shall meet the Federal Drinking Water Standards. A copy of the original analysis report is to be provided to the Raynham Health Department.

6.3 Prior to issuance of any Disposal Works Construction Permit for a property that has a potable well, a standard water quality test shall be taken within one year and shall meet the Federal Drinking Water Standards. A copy of the original analysis report is to be provided to the Raynham Health Department.

6.4 Any additional testing for conditions or factors that affect the community's health and/or the environment may be required to be performed by the Raynham Health Department.

Adopted by Unanimous vote of  
Raynham Board of Health November 25, 2014  
Effective: January 1, 2014

### **Regulation 7. Enforcement/Variance**

- 7.1 The Board of Health may vary the application of any provision of this Regulation with respect to any particular case when, in its opinion, the enforcement thereof would do manifest injustice; provided that the decision of the Board of Health shall not conflict with the spirit of these minimum standards. Any variance granted by the Board of Health shall be in writing. A copy of any such variance shall, while it is in effect, be available to the public at all reasonable hours in the office of the Board of Health.
- 7.2 Any variance or other modification authorized to be made by these regulations may be subject to such qualification, revocation, suspension, or expiration as the Board of Health expresses in its grant. A variance or modification authorized to be made by these regulations may otherwise be revoked, modified or suspended, in whole or in part, only after the holder thereof has been notified in writing and has been given an opportunity to be heard in conformity with the requirements.
- 7.3 Every order authorized by these regulations shall be in writing; all orders shall be served on the designated person:
- a. personally, by any person authorized to serve civil process, or
  - b. by leaving a copy of the order at his last and usual place or abode, or
  - c. by sending him a copy of the order by registered or certified mail, return receipt requested, if he is within the Commonwealth, or
  - d. if his last and usual place of abode is unknown or outside the Commonwealth, by posting a copy of the order in a conspicuous place on or about the affected premises.

7.4 Subject to the emergency provision of these Regulations, any order issued under the provisions of these regulations shall:

- a. include a statement of the violation, or defect, and may suggest action which if taken with effect compliance with this code, and
- b. allot a reasonable time for any action it requires and
- c. inform the person to whom it is directed of their right to a hearing and of their responsibility to request the hearing and to whom the request shall be made.

7.5 The person or persons to whom any order served pursuant to Regulation 6.3 of these regulations has been directed may request a hearing before the board by filing within seven (7) days after the day the order was served in the office of the Board of Health a written petition requesting a hearing on the matter. Upon receipt of such petition, the Board of Health shall set a time and a place for such hearing and shall inform the petitioner thereof in writing. The hearing shall be commenced not later than thirty (30) days after the day on which the petition was filed.

7.5.1 At the hearing the petitioner shall be given an opportunity to be heard and show why the order should be modified or withdrawn.

7.5.2 After the hearing the Board of Health shall sustain, modify, or withdraw the order and shall inform the petitioner in writing of its decision. If the Board of Health sustains or modifies the order, it shall be carried out within the period allotted in the original order or in the modification.

7.5.3 Every notice, order, or other record prepared by the Board of Health in connection with the hearing shall be entered as a matter of the public record in the office of the Board of Health.

7.5.4 Each days failure to comply with an order as issued or modified through these regulations shall constitute an additional offense.

7.5.5 Any person who shall violate any provisions of these regulations for which penalty is not otherwise provided in any of the General Laws or in any regulation of the Sanitary code shall upon conviction be fined not less than \$25.00 or more than \$100.00

Adopted by unanimous vote  
of the Board of Health  
November 5, 2002  
Effective November 5, 2002