

company shall demonstrate to the System Designer on record accessibility to said components prior to the issuance of a Certificate of Compliance.

(3) Monitoring Requirements:

- (a) In addition to any requirements stated in the Approval Letter, all alternative septic systems approved for installation by the Board of Health under a General Use Approval or Provisional Use Approval shall be monitored on a quarterly basis for Total Nitrogen (Total Kjeldahl Nitrogen + nitrate). The period of monitoring shall be two years.
- (b) All disinfection units shall be monitored quarterly for fecal coliform for a two year period from the date of installation.
- (c) All required analysis shall be performed by a laboratory certified by the Department of Environmental Protection for the parameters analyzed.

(4) Reporting Requirements:

- (a) In addition to reporting requirements specified in Approval Letters issued by the Massachusetts Department of Environmental Protection, reports of all monitoring and maintenance of alternative septic systems shall be submitted to the Mashpee Board of Health and the Barnstable County Department of Health and the Environment, Superior Courthouse, Route 6A, Barnstable Massachusetts 02630. Reports shall be submitted quarterly during the period required for monitoring.
- (b) Maintenance reports shall specify the run time of all electrical components. This shall be expressed in daily run time and shall be calculated using readings from the run time meter. All calculations shall be shown in the submitted report.

(5) Humus/Composting Toilets – Conditions For Use

- (a) Humus/Composting Toilets are certified for non-remedial use subject to the conditions set forth at 310 CMR 15.289(3)(a), where a system in full compliance with 31- CMR 15.000 and Mashpee Board of Health regulations could otherwise be installed on the site.

(6) Dewatered Percolation Tests

- (a) Dewatered Percolation Tests are prohibited in the town of Mashpee.

SECTION 6 – VARIANCE:

The Mashpee Board of Health in any particular case and following a public hearing may vary any provision of this regulation when, in its opinion:

1. The same degree of environmental protection required under Title 5 and this regulation may be achieved without strict application of the particular provision or provisions requested to be modified.
2. Strict enforcement of a provision would cause undue hardship and manifest injustice



TOWN OF MASHPEE
BOARD OF HEALTH

REGULATIONS GOVERNING THE INSTALLATION AND
USE OF DUAL BLACK/GREY WATER SEPTIC SYSTEMS
FOR SINGLE FAMILY RESIDENCES

The Mashpee Board of Health, pursuant to the authority conferred under Section 31 of Chapter 111 of the Massachusetts General Laws and in recognition of the environmental advantage of certain alternative/innovative septic system technologies, hereby adopts the following regulations:

DEFINITIONS:

Blackwater: Wastewater from toilets, urinals and any drains equipped with garbage grinders.

Greywater: Any putrescible wastewater discharged from domestic activities including but not limited to washing machines, sinks, showers, bath tubs, dishwashers or other source except toilets, urinals and any drains equipped with garbage grinders.

REGULATIONS:

1. The Board of Health hereby approves the use of composting toilets for the collection and disposal of blackwater with the following conditions:
 - a. The composting compartment must be inspected annually by a Department of Environmental Protection (DEP) approved inspector of composting systems. A copy of the inspection report shall be submitted to the Board of Health within 30 days of the inspection.
 - b. The composted material shall be removed at intervals according to the manufacturer's specifications. The compost shall be transported by a DEP approved hauler AND disposed of at a DEP approved location.
2. In recognition of the fact that the majority of pathogenic organisms are found in blackwater, while some still exist in greywater, the Board of Health approves the following greywater discharge systems and conditions:
 - a. The filtered greywater may be discharged internally into a DEP and Board of Health approved greenhouse absorption system OR;
 - b. The filtered greywater may be discharged externally into a DEP and Board of Health approved soil absorption system with nitrogen removal capability.

- c. The soil absorption system shall be located a minimum of 75 feet from any wetland or bordering vegetated wetland as verified by the Mashpee Conservation Commission. This contrasts with the standard setback requirement of 100 feet for the traditional Title V soil absorption system in recognition of the lower pathogenic content in greywater.
- d. The bottom of the soil absorption system shall be a minimum of 4 feet above groundwater, adjusted if applicable.
- e. If there does not exist a minimum of 4 feet of naturally occurring permeable soil between the bottom of the leaching facility and groundwater, then there shall exist a minimum of 2 feet of naturally occurring permeable soil between the bottom of the soil absorption system and groundwater with an additional 3 feet of naturally occurring permeable soil below the groundwater elevation.
- f. The leaching area requirement for the greywater discharge system may be reduced to 60% of the standard Title V area requirement.
- g. The soil absorption system and the greywater filtering system must be inspected annually by a DEP approved greywater discharge system inspector. The filters must be replaced at intervals according to the manufacturer's specifications. A copy of the inspection report must be submitted to the Board of Health within 30 days of the inspection.
- h. No garbage grinders shall be allowed to be installed. Therefore a septic tank is not required.
- i. For new construction, a standard Title V system must be approvable on-site. This standard Title V system must meet State requirements only.
- j. Plans for gray/blackwater septic systems must be drawn by a licensed professional engineer or registered sanitarian.
- k. Any variance from these regulations must be submitted in writing by the plan designer and will be considered by the Board of Health on a case-by-case basis.
- l. Failure to submit the annual inspection reports to the Board of Health within 30 days of their completion shall constitute a determination by the Board of Health that the system is in failure. The Board may, at which time, hire an inspector to conduct the inspection with all associated costs borne by the owner. Failure to pay for these costs will result in the board's condemnation of the septic systems and the placing of a lien against the property.

These regulations have been adopted by the Board of Health on August 10, 1995 and shall become effective on the date of publication.

Per Order Of,
The Mashpee Board of Health
John T. Doherty, Chairman
Robert F. Cram, Co-Chairman
Steven R. Ball, Clerk