

# **TOWN OF HANOVER**

## ***Board of Health***

Hanover, Massachusetts

### **RULES AND REGULATIONS DISPOSAL OF WASTEWATER IN THE TOWN OF HANOVER, MASSACHUSETTS**

#### **General Requirements**

All subsurface disposal of wastewater in the Town of Hanover is subject to approval by the Board of Health in accordance with these regulations and 310 CMR Section 15, The State Environmental Code, Title V. Approval of such discharges will be considered upon the submission of applications on the forms provided by the Board of Health. Each application for subsurface wastewater disposal must be accompanied by a fee according to the current fee schedule. Checks shall be made payable to the Town of Hanover and submitted to the Board of Health with the completed application forms.

#### **DISPOSAL APPLICATIONS ARE NOT TRANSFERABLE. All fees are non-refundable.**

1. Fees are applicable to new systems, repairs or those being increased in capacity.
2. Any plans requiring resubmission shall be subject to a resubmission fee based on the current schedule.
3. Additional inspections shall necessitate an additional fee per hour with one (1) hour minimum per inspection, based upon the fee schedule, until final approval is given.
4. Applications for systems involving flows in excess of ten thousand (10,000) gallons per day (gpd) or industrial waste, to include tight tanks, shall not be considered for approval by the Hanover Board of Health until approved by the Massachusetts Department of Environmental Protection in accordance with Massachusetts General Laws, Chapter 111, Section 17.
5. The costs of any monitoring or additional studies required by the Hanover Board of Health for compliance with these rules and regulations will be the financial responsibility of the applicant.

#### **The following general requirements are necessary in order for an application to be considered:**

1. The application for a Disposal Works Construction Permit must be filled out and signed by the owner of record of the lot. If the application is made by someone other than the owner of record, the application shall be signed by both the owner of record and the applicant or be accompanied by a signed contract between the property owner and the engineer.
2. If a lot on which a new sewerage disposal system is proposed is part of a subdivision, evidence that the subdivision plan has been recorded at the Plymouth County Registry of Deeds or filed with the Recorder of the Plymouth County Land Court must be submitted. Any ANR (Approval Not Required) plan approved by the Planning Board must be accompanied with a buildable lot letter.
3. The application form and four (4) sets of plans including all necessary supporting data in accordance with Title V and these rules and regulations must be submitted to the Board of Health;
4. Approved applications shall be indicated by the return of one copy of the application and accompanying data to the applicant signed by the Board of Health;
5. Disapproved and/or incomplete applications will be returned to the applicant with reasons indicated;
6. If there are wetlands on the property, documentation of a filing with the Hanover Conservation Commission must be submitted for the application to be complete. On new construction, wetland lines must be flagged prior to performing percolation tests and site assessments;
7. The services of a registered professional engineer or registered sanitarian experienced in the area of wastewater disposal will be necessary for the design of a SAS (Soil Absorption System) or tight tank.
8. Change in design engineers will require prior approval of the Board of Health;

9. The construction of private wastewater disposal systems shall not be started without the contractor's first obtaining a septic installer's permit from the Board of Health and no work is to begin until the installer picks up a copy of the approved plans.
10. The Board of Health shall be notified when construction of the disposal system has been completed to the following stages in order that an inspection may be made by the Health Agent;
  - a. When the excavation is completed prior to the installation of fill or stone.
  - b. When the tank is installed to verify the bottom of tank.
  - c. When the pea stone around the pipes has been installed prior to the final backfilling of the system. The design engineer must also be notified at this time so that inspections can be made or as-built plans prepared. The Board reserves the right to require a joint inspection by the Agent and the engineer.
  - d. When final grading is completed.
  - e. The engineer shall notify the Board of Health within twenty-four (24) hours of any inspection that the installation meets or does not meet approved design requirements.
11. Installer's permits expire on December 31 of the calendar year in which they were issued. These permits may be revoked by the Board of Health for failure to comply with these rules and regulations and/or Title V.
12. Two (2) copies of as-built drawings must be provided to the Board of Health within seven working days of the final inspection;
13. Alternative Soil Absorption Systems must meet the following requirements:
  1. Alternative system must have proof of DEP approval
  2. Signed acknowledgement from the property owner that they are aware of the maintenance requirements and possible restrictions of the proposed system and have a Operation & Maintenance contract in place
  3. Deed restriction filing costs are the responsibility of the property owner
14. Installers of Alternative Soil Absorption Systems must be certified in the system that they are installing and provide proof of the certification to the Board of Health.

### **Permit Restrictions**

A Disposal Works Construction Permit is issued in the name of the owner of record of the lot upon which the system is to be built or repaired. Said permit remains in effect only as long as the lot remains in the name of the owner to whom the permit is issued or unless approval of a transfer is sought and approval granted by the board. Persons desiring to transfer a permit must file at the office of the Board of Health a Transfer of Responsibility Form completed and signed by both transferor and transferee.

A permit will become void automatically and without further action or notice if the work under the permit is not completed within thirty-six (36) months from the date of issue of such permit. Further, any permit can be revoked by the Board of Health after notice to the applicant if the conditions set forth in the application have changed prior to or during work under the permit. Permits may be extended upon written request at the sole discretion of the Board of Health.

### **Site Approval**

Prior site approval must be obtained for all installations by performing percolation tests or test pit excavations in the presence of the design engineer and an agent for the Board of Health. Percolation tests dated over five years will not be accepted unless authorized by the Board of Health after verifying that the site has not been disturbed or any material has been removed.

The following regulations will govern all testing:

1. The location of all pertinent test pits and their ground elevations must be submitted to the Board by the design engineer within seven (7) working days of the tests. Subdivision test locations must be submitted within (15) working days;
2. De-watered percolation tests are not permitted unless a special permit is issued by the Board of Health;
3. Additional percolation tests may be required at the discretion of the agent where the soil characteristics are variable or where large disposal systems are necessary;
4. The Board of Health reserves the right to set aside a period of time when percolation tests or test holes will not be allowed, such as prolonged dry spells or during dry summer months. Seven (7) days' notice of discontinuance of percolation tests and test holes will be given.

### **Design Requirements**

The following information is provided for guidance in the design of necessary facilities:

1. The minimum requirements of the State Environmental Code Title V, as amended, shall be complied with subject to the additional requirements indicated here
2. An adequate water supply must be available. A private water supply will not be allowed unless there are compelling circumstances. Private water supplies will require additional approval of the Hanover Board of Health in accordance with the rules and regulations for a private water supply system in the Town of Hanover.
3. No subsurface disposal system shall be constructed within one hundred (100) feet of wetlands or vegetative wetland area, or one hundred, fifty (150) feet of a private drinking water supply. Detention or retention ponds shall be considered wetlands unless determined otherwise by the Hanover Conservation Commission.
4. In all new construction, the bottom of the cellar floor must be at least twelve (12) inches above the Maximum Groundwater Elevation. The driveway serving a structure with a garage under or attached to the structure must be constructed so that no surface water from the street drains into the garage or the structure.
5. Site grading for each subsurface disposal system shall be designed and constructed in a manner which will provide for proper drainage away from the proposed dwelling and from the subsurface leaching system. Such grading shall be compatible with existing and proposed street grades. Grading shall be designed to prevent adverse surface drainage conditions from developing on adjoining property. Where necessary, easements must be indicated and provided.
6. All plans must be legibly stamped and signed by the registered professional engineer or sanitarian responsible for the design.
7. All plans must have all distances from system components, property lines and structures clearly defined on the plans. Plans not having proper distance labeling will be subject to a resubmission fee.
8. All sewerage systems must be located on the same lot as the building they are serving.
9. Where high ground water exists, filling may be allowed to raise the base of the leaching system if the existing ground water is at least two (2) feet below original level.
10. A minimum of one thousand (1000) square feet (bottom area only) will be required for leaching field or leaching chambers. A minimum of eight hundred (800) square feet counting bottom and side area will be required for leaching trenches or leaching galley construction.
11. The ends of all distribution lines shall be capped unless a header is used to vent. Vent pipes must have insect screens and charcoal filters.
12. DEP approved outlet filters are required on all pump systems.
13. On systems over two thousand (2000) gpd the Board may require the installation of observation wells for sampling and monitoring purposes. The number of wells required and extent and frequency of monitoring will be determined by the Board. The applicant will bear all costs of sampling, installation and monitoring.
14. As-Built drawings stamped and signed by the design engineer, shall show location of all piping. Ties from at least two permanent points shall be provided to locate all covers, end of leaching trenches and

far corners of leaching fields. Location of any wells or water supplies on the lot and adjacent lots must also be shown along with all invert and foundation elevations and finish grade (by contours).

### **Variances**

The Board may grant variances of any provision of these Regulations (except where expressly forbidden elsewhere herein and/or by applicable laws or regulations of the Commonwealth of Massachusetts) with respect to any particular case when in the Board's opinion the applicant has proven that the same degree of environmental protection required under these rules and regulations can be achieved without strict application of the particular provision.

Every request shall be made in writing and shall cite the specific variance sought and the reasons therefore. All variances shall be stated on all plans submitted for approval. Any variance granted by the Board shall be in writing.

### **Use of existing Subsurface Systems**

When an existing dwelling is demolished and replaced, altered so that the occupant capacity is increased, or converted into a multiple family dwelling, the board shall require the submission of properly engineered and designed plans which shall comply with these regulations and Title V of the State Environmental Code. Repairs to existing sewage systems will require the approval of the Board of Health.

### **Severability**

The invalidity of any section or provision of these rules and regulations shall not invalidate any other section or provision thereof, nor shall it invalidate any permit which previously has been issued.

### **Adoption**

The above regulations (including therein the title thereof) pursuant to all powers and authority of the Board is unanimously adopted by the Board of Health of the Town of Hanover in a meeting assembled on October 27, 2009, to be effective on October 28, 2009, a summary shall be published in a newspaper circulated in this town, and copy thereof shall be deposited in the office of the Town Clerk within (30) days after the effective date.

## **HANOVER BOARD OF HEALTH**

**Diane Edge, Chair**

**John Dougherty**

**Walter Moran**