

ALTERNATIVE TECHNOLOGY SYSTEMS—REQUIREMENT FOR DEED  
RECORDING, TESTING REQUIREMENTS, AND ANY ADDITIONAL  
MAINTENANCE

BOARD OF HEALTH  
TOWN OF BOURNE

At its regular meeting on May 10, 2006, the Bourne Board of Health amended its Alternative Testing Policy with the following policy:

When the Bourne Board of Health requires the installation of an alternative technology system in conjunction with an addition of habitable space or conversion to year-round occupancy, other than within a Zone II delineation, the alternative system will be approved under DEP General Use Provisions of approval, but with the stipulation that said system is for nitrogen removal. As such the systems are not covered under new DEP policy regarding testing and maintenance reduction. In addition, whether required by DEP or not, the following maintenance and testing schedule, and conditions below, are attached to any such approvals:

A yearly maintenance agreement for the inspection of the installed alternative system is required. These maintenance inspections are to be conducted quarterly, unless the Board of Health approves a reduction due to seasonal occupancy.

For the first two years of operation, bi-annual testing (i.e. twice per year) of influent and effluent, which can be done at the time of the maintenance inspection, will be completed for BOD, TSS, and Total Nitrogen (either by a combination of the test results for TKN and nitrate-nitrate, or by specific Total Nitrogen testing). The effluent discharge limit for Total Nitrogen shall be 19 mg/l. Testing of influent and of effluent will be conducted for a comparison of results. Testing for seasonal use dwellings (those used less than 3 months per year) will still be conducted twice per year, once in July and once in August. Alternate times will be allowed if approved by the Board of Health; changes to be made based on occupancy time frames. The systems for year-round dwellings will be tested once in July and once in January. Once again based on occupancy these dates may be altered slightly.

If, as evidenced by testing results, the Board of Health feels that the operating system is not meeting the discharge parameters initially represented by the applicant in the original submittal, the Board may require the installation of another alternative technology system. An additional system will also be required in the event of a failure of the originally approved alternative system.

For those alternative systems, which may be approved for an upgrade of a failed system, with no proposed additions or renovations to the existing property, additional testing will not be required although the yearly maintenance will still have to be completed.

The Board of Health reserves the right to extend the test period and to require additional testing as each individual case may warrant.

In the case of the approval of an Ultra-violet disinfection unit, this unit will be inspected quarterly. The UV bulb will be replaced yearly.

A signed copy of the referenced testing and maintenance agreement(s) will be sent to the Board of Health prior to the issuance of any disposal works construction permits.

When the Board of Health approves any alternative technology system, the applicant or his/her agent shall record this approval, or a similar document which defines the Alternative System approved and any Board of Health conditions, with the Registry of Deeds. The Board of Health shall receive a copy of this recorded document before the issuance of any disposal works construction permit.

In addition, based on results from the Alternative Technology Testing Facility at the Massachusetts, Military Reservation, when the Board of Health approves any Microfast system, the Board conditions this approval with the requirement that the septic tank be pumped yearly. Proof of this pumping shall be submitted to the Board of Health by the end of each calendar year.

The Wastewater Operators for any alternative systems will report maintenance inspections, any work done to the system, and test results to the Barnstable County Health Department through the Carmody System.