



Paul

State of New Hampshire
 DEPARTMENT OF ENVIRONMENTAL SERVICES
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October 29, 2001

Mr. Robert S. Myers
 J&R Engineered Products, Inc.
 44 Commercial Street
 Raynham, MA 02767

Re: Bio-Microbics FAST Package Sewage Treatment Plant

Dear Mr. Myers:

This is a revised approval of the FAST package sewage treatment plant. The NH Department of Environmental Services (DES) has reviewed its approval of such units and is revising the design requirements in Condition Number 4, below. That is the only substantive modification made. This approval supercedes all previous DES approvals.

Based on material submitted, DES approves the FAST package sewage treatment plant for general use per Env-Ws 1024.06(d), subject to the following limitations:

1. Units must be installed in accordance with manufacturer's recommendations.
2. This approval applies to units with design flow less than or equal to 1000 gallons per day.
3. A leach field used for disposal of treated effluent from a FAST unit may be reduced up to 50% of the size listed in Env-Ws 1014.07. However, please understand that double reductions will not be allowed. For example, you may not claim the allowable reduction for chambered leach fields in a residential use, and then claim a 50% reduction of that reduced size. DES will not allow leach fields any smaller than 1/2 of the size listed in Env-Ws 1014.07.
4. If an applicant proposes to place a FAST treatment plant employing a reduced leach field size per No. 3, above, on a lot which was created prior to adoption of DES subdivision rules, the design submitted shall demonstrate sufficient capacity to construct a full sized leaching facility on the lot.
5. All other details of the overall wastewater disposal system using FAST units must comply with the provisions of NH Code of Administrative Rules, Chapter Env-Ws 1000, except that a septic tank (in addition to the treatment unit) is not required for systems which use a FAST unit.
6. Please review the requirements in Env-Ws 1024.03. A renewable maintenance contract must be sold with each FAST unit.

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7. Maintenance must be performed by a licensed wastewater treatment plant operator. A fact sheet on DES's licensure program is available at <http://www.des.state.nh.us/factsheets/wwt/web-2.htm>. For small residential applications, a Grade 1 license will be sufficient.
8. Per Env-Ws 1024.06(c), a copy of this letter shall accompany any specific design involving the use of the FAST unit under this approval which may be submitted to DES.

If you have questions, please feel free to call me at the Water Division at (603) 271-2941.

Sincerely,



Robert P. Minicucci II, PE
Innovative Technology Coordinator

FAST10-2001

CC: William Evans, PE, DES/SSB
James Falcon, DES/SSB
Collis Adams, PE, DES/SSB