

August 11, 1997

Zabel Environmental Technology
10409 Watterson Trail
Jeffersontown, KY 40299
Attn: Lawrence Gravely

Re: Application for approval of Filter: Zabel A1800 wastewater filter

Dear Mr. Gravely:

The Department of Environmental Protection has completed a Technical Review of the above referenced application and hereby approves the use of Zabel A1800 wastewater filter in accordance with 310 CMR 15.289 (4) "List of Alternative System, Effluent Tee Filters" subject to the following conditions:

1. Prior to sale of the A1800 Filter, the distributor of the system shall provide the purchaser with a copy of this approval.
2. Prior to installation in an existing system, the owner shall obtain approval from the Board of Health for the proposed modification of the system. If the system is a failed or nonconforming system, the system shall be upgraded in accordance with 310 CMR 15.404 in conjunction with installation of the filter.
3. All septic tanks in which a Zabel A1800 Filter is to be installed must have a 20" manhole over the outlet tee. In addition, both inlet and outlet manhole covers must clearly note (either painted with non-degradable paint or other permanent identifiable markings) the system is equipped with the Zabel A1800 Filter.
4. When installed the Zabel A1800 Filter outlet tee must extend below the flow line in accordance with the following table:

Liquid Depth in Septic Tank	Depth of Zabel A1800 Filter Baffle below Flow Line
4 feet	14 inches
5 feet	19 inches
6 feet	24 inches
7 feet	29 inches

8 feet

34 inches

5. The system owner shall have a septage Handler, licensed by the local board of health in accordance with G.L.c. 111 s. 31A and 310 CMR 15.502, service the filter regularly, at least once every year and pump the septic tank in accordance with 310 CMR 15.000. The system owner shall report in writing to the local Board of Health within 30 days of the date of servicing every time the septic tank is serviced.
6. The distributor for the Zabel A1800 Filter shall provide to the local Board of Health when requested by the Board of Health, the name(s) and license number(s) of the licensed septage haulers in the town which have been trained in the proper installation and maintenance of Zabel A1800 Filter, as specified by the manufacturer and the Department.
7. When the Zabel A1800 Filter is proposed for new construction, all other aspects of the design and construction of the system must comply with the provisions of 310 CMR 15.000.
8. This approval shall not constitute approval of the filter in lieu of a properly sized septic tank, including but not limited to, the requirements for a properly sized septic tank for grey water when used in conjunction with a composting toilet, as described in 15.289(3)(a)(2).
9. In approving this filter, the Department has made no determination to the extent, if any, that it will improve the performance of an onsite sewage disposal system.

If you have any question, please contact Christos Dimisioris at (617) 292-5912.

Sincerely,

Michael Rapacz, Deputy Director
Wastewater Management Program

cc: DEP, DWPC, SERO, WERO, CERO, NERO
John Higgins/Millbury Office