

March 31, 2014

Sheryl Ervin, P.G.  
Director, Regulatory Affairs  
Bio-Microbics, Inc.  
8450 Cole Parkway  
Shawnee, KS 66227

Dear Ms. Ervin:

Re: Approval of Bio-Microbics MicroFAST units  
For use in residential and commercial onsite sewage systems

The Bio-Microbics MicroFAST units listed below are hereby approved for use in Indiana as an additional system component in an onsite sewage system by the Indiana State Department of Health (department), under the provisions of *410 IAC 6-8.3-52(h)*, *410 IAC 6-10.1-49(h)*, and the *Indiana Standards for Secondary Treatment Systems* published by the department on December 1, 2009. This approval is for the use in commercial onsite sewage systems and individual residential onsite sewage systems. Approval is effective this 31<sup>st</sup> day of March, 2014.

The Bio-Microbics Approved Models are limited to:

ATU Series	Model	Flow Rating (GPD)	Min. Flow (GPD)	BOD Rating (lbs/day)	BOD (mg/L)		TSS (mg/L)	
					Min.	Max.	Min.	Max.
MicroFAST	0.5	500	100	1.00	100	300	100	350
MicroFAST	0.625	625	125	1.25	100	300	100	350
MicroFAST	0.75	750	150	1.50	100	300	100	350
MicroFAST	0.90	900	180	1.80	100	300	100	350
MicroFAST	1.50	1500	300	3.00	100	300	100	350
MicroFAST	3.0	3000	600	6.00	100	300	100	350
MicroFAST	4.0	4000	800	8.00	100	300	100	350
MicroFAST	9.0	9000	1800	18.00	100	300	100	350

Each Model is approved for options 1.a; 1.b; 1.c; 2.a; and 2.b, *Indiana Standards for Secondary Treatment Systems*, published by the department on December 1, 2009.

- I. Bio-Microbics, Inc. is required to:
  - a) Submit to the department a list of tank manufacturers which will manufacture concrete tanks to house the Bio-Microbics MicroFAST units installed in Indiana. No concrete tank may be used unless it is from a tank manufacturer that has been submitted to the department by Bio-Microbics, Inc.
  - b) Insure tank connectors comply with ISDH Rule 410 IAC 6-8.3 and 410 IAC 6-10.1.
  - c) Certify manufacturers, distributors, designers, installers and service providers;

- d) Submit to the department a list of all certified installers, distributors, service providers and manufacturers for the State of Indiana on a quarterly basis the first year and annually after that; and notify the department immediately of the removal of any certified installer, distributor, service providers or manufacturer;
- e) Submit for review and approval of the department any proposed changes to any system component or the Indiana Product Manual prior to implementation of the changes;
- f) Notify the department of any scheduled training event at least 10 working days prior to the event;
- g) Provide on-going consultation to health department staffs, designers, installers, and service providers;
- h) Report to the department within 30 days the failure of any owner to renew a service contract for the operation and maintenance of any onsite sewage system that includes a Bio-Microbics unit.

II. The Bio-Microbics MicroFAST is subject to:

- a) The review by the department of each individual project when the unit will be subject to intermittent flows. Further, all start-up and shut down procedures must be carried out by a certified service provider after local health department notification and consultation.
- b) The review by the department for each individual residential project where:
  1. A trash tank is proposed in lieu of a full sized septic tank in accordance with Section IV., *Indiana Standards for Secondary Treatment Systems* published by the department on December 1, 2009, or
  2. A soil absorption field of reduced size is proposed in accordance with Section VII. F., *Indiana Standards for Secondary Treatment Systems* published by the department on December 1, 2009.

Unless plan review and permit issuance has been delegated to the local health department in accordance with Section V. C., *Indiana Standards for Secondary Treatment Systems* published by the department on December 1, 2009.

- c) The applicable provisions of ISDH Rule 410 IAC 6-8.3, and ISDH Rule 410 IAC 6-10.1, including the discharge to a soil absorption field which meets all of the provisions of the applicable rule, except for system sizing as allowed in Section VII. F., *Indiana Standards for Secondary Treatment Systems* published by the department on December 1, 2009;
- d) Treating only domestic and/or residential strength wastewater;
- e) the applicable provisions of *Indiana Standards for Secondary Treatment Systems* published by the department on December 1, 2009;
- f) The MicroFAST Indiana Product and Service Manual.

III. The Bio-Microbics MicroFAST manufacturer, designer, distributor, installer, and service provider is subject to:

- a) Bio-Microbics Certification;
- b) Maintaining a status of good standing with Bio-Microbics, Inc.

This approval may be revoked or modified by the department for non-compliance, or if it is documented that it would not be in the best interests of public health for approvals to continue.

If you wish to request administrative review of this *Approval* pursuant to Indiana Code 4-21.5-3-5, you must file a petition for review within fifteen (15) days after this *Approval* is received. The petition for review and petition for stay of effectiveness must be postmarked no later than April 18, 2014.

The petition for review must be in writing and must include facts demonstrating that:


- The petitioner is a person to whom the *Approval* is specifically directed;
- The petitioner is aggrieved or adversely affected by the *Approval*; or
- The petitioner is entitled to review under any law.

If the petition for review is not filed timely, this *Approval* becomes FINAL. Any petition for review and petition for stay of effectiveness must be submitted in writing to:

Court Administrator  
Office of Legal Affairs, #3H  
Indiana State Department of Health  
2 North Meridian Street  
Indianapolis, IN 46204

If you do not object to this product submittal approval, you do not need to take any further action.

Sincerely,



Michael Mettler, REHS, Director  
Environmental Public Health Division  
317/233-7183  
mmettler@isdh.in.gov

cc: Local Health Departments  
Onsite Staff