



**Bio-Microbics**  
**Fixed Film Aerobic Treatment Unit**  
**Flows 1500 gpd or less & Domestic Strength Waste**

This Management Plan identifies some basic requirements for proper operation and maintenance of the Bio-Microbics wastewater treatment device for residential use up to 1500 gpd. Refer to the manufacturer's Operation and Maintenance Manual for Bio-Microbics wastewater treatment products for detailed instructions on proper system operation and maintenance. Refer to your soil treatment system management plan (below or above-grade) for additional management requirements.

The Bio-Microbics Manual, submitted by the manufacturer as part of the registration of this product in Minnesota, can be found at the Minnesota Pollution Control Agency's website <http://www.pca.state.mn.us/programs/ists/productregistration.html>.

<b>SYSTEM COMPONENT</b>	<b>TASK</b>	<b>FREQUENCY</b>	<b>RESPONSIBLE PARTY</b>
<b>BIO-MICROBICS RetroFAST® and MicroFAST® Products</b>  <b>with Flows up to 1,500 gpd and Domestic Strength Waste</b>	Monitor alarm	On-going	Homeowner
	Clean vents on housing	On-going	Homeowner or Service Provider
	Monitor flow	Annually	Service Provider
	Clean air filter on blower	Annually	Service Provider
	Check mechanical and electrical components	Annually	Service Provider
	Perform operational field tests on influent/effluent quality including odor, color, turbidity, temperature, dissolved oxygen and pH as appropriate	Annually	Service Provider
	Sample effluent as required in the local Operating Permit	See Operating Permit*	Service Provider
	Check sludge level in all tanks; follow manufacturers recommendations for solids removal refilling with clean	Annually	Service Provider and Maintainer

	water with pumped		
	For seasonal use, follow manufacturers guidelines	As required based on seasonal usage	Service Provider

\* Systems designed to meet treatment level A or B with UV disinfection must collect effluent sample for fecal coliform annually at a minimum.

At the time of each service visit, Form 7-2: Aerobic Treatment Unit should be completed. See <http://www.onsiteconsortium.org/omspchecklists.html>. **Sampling requirements** are specified in local operating permits. The protocol for collection of wastewater samples is specified in the Bio-Microbics Manual for Minnesota.

**Items not permitted** in the Bio-Microbics wastewater systems are specified in the Bio-Microbics Manual for Minnesota.