

State of North Carolina
Department of Environment
and Natural Resources
Division of Environmental Health

Michael F. Easley, Governor
William Ross, Secretary
Terry L. Pierce, Director
Andy Adams, Acting Chief



October 8, 2004

Paul Flynn
Bio-Microbics, Inc
8450 Cole Parkway
Shawnee, KS 66227

Subject: Specific Approval of plans and specifications for MicroFast 1.5 Aerobic Treatment Unit as manufactured by Blackwelder Tank Service, for use in North Carolina, ATU-28

Dear Mr. Flynn:

We have completed our review of information received from Blackwelder Tank Service in support of your application for state approval. Plans and specifications for your 1500 gallons per day MicroFAST 1.5 (rated for 1500 gallons per day) proposed to be installed with a specially constructed precast tank manufactured by Blackwelder Tank Service, modified as you have proposed on the attached plans, are found acceptable by the On-Site Wastewater Section and are hereby approved under On-Site Wastewater Section Approval Numbers ATU-28, dated October 5, 2004, in accordance with Rule 15 NCAC 18A.1957(c). In accordance with Rule 15A NCAC 18A .1957(c)(4), units designed for a daily flow rate of greater than 500 gallons per day (ATU-) shall also be preceded by an approved settling tank with liquid capacity at least equal to the rated capacity of the unit (utilize Blackwelder Tank Services's approved septic tanks STB-272, 395 or 408, constructed with risers extending to at least 3-inches above finished grade, pipe penetration seal, and with approved effluent filter).

The imprints that will identify the manufacturer, serial numbers, and capacities of the referenced units will be BTS/BM ATU-28-1500. The imprint will be located to the right of the opening on the outlet end of the tank.

Please note that this approval applies only to Aerobic Treatment Units constructed in accordance with approved plans and specifications; and, if found in non-compliance, an operation permit shall not be issued for the installed wastewater system. In addition, all Aerobic Treatment Units shall be watertight and shall be subject to a watertightness test in accordance with local and state environmental health guidelines. All requirements of Rule .1957(c) shall also met, including the requirement for the manufacturer or manufacturer's licensed representative to certify that the system has been properly installed, and for the owner to execute a contract with a certified wastewater treatment facility operator prior to operation

ON-SITE WASTEWATER SECTION

1642 Mail Service Center, Raleigh, North Carolina 27699-1642
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permit issuance.

Your Aerobic Treatment Units must remain approved and listed in accordance with the standards adopted by the National Sanitation Foundation, Inc. for the Class I residential wastewater treatment systems as set out in Standard 40, as amended, pursuant to North Carolina General Statute GS 130A-342, and applicable sections of Rule .1957(c).

Additionally, all unit manufacturers having a North Carolina State approval are subject to periodic, unannounced inspections of their units and manufacturing process by State and local environmental health officials. Should units be found to not be in compliance with state approved plans or with State wastewater rules (15A NCAC 18A .1900 et. seq.), such units may be permanently identified as being unacceptable for use in North Carolina on-site wastewater systems and the manufacturers of such units may face suspension of approval for their units.

If you have any questions pertaining to this approval or if we may be of further service, please feel free to contact us at the phone number and/or address listed on this letterhead.

Sincerely,

Steven Berkowitz, P.E.
On-Site Wastewater Engineering

cc: Mike Burch, Nature Works
Tim Blackwelder, Blackwelder Tank Service
On-Site Wastewater Section, Raleigh and Regional Staff