

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

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



May 24, 2005

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

**Subject:** Specific Approval of plans and specifications for 500 gallons per day MicroFAST Aerobic Treatment Unit as manufactured by Premium Tanks and Stone, Inc. for use in North Carolina, ATU-36

Dear Mr. Flynn:

We have completed our review of information received from you, on behalf of one of your North Carolina distributors, in support of an application for state approval. Plans and specifications for your 500 gallons per day "MicroFAST" Model No. 23-001-750 (rated for 500 gallons per day), proposed to be installed with a specially constructed precast concrete tank manufactured by Premium Tanks and Stone, Inc., modified as you have proposed on the attached plans, are found acceptable by the On-Site Wastewater Section and is hereby approved under On-Site Wastewater Section Approval Number ATU-36, dated May 23, 2005, in accordance with Rule 15 NCAC 18A .1957(c).

One copy of the plans and specifications bearing the On-Site Wastewater Section stamp of approval is enclosed; one copy is being retained in our permanent files; and separate copies of the letter and approval are being sent to Premium Tanks and Stone, Inc. and the Person County Health Department.

Note: In conjunction with the attached approved plans, all other requirements included in the plans approved by this office September 17, 1997 for ATU-5 remain applicable (other than the proposed tank being manufactured by Premium Tanks and Stone, Inc. instead of Shoaf Precast Septic Tank, Inc.), including the provision of approved risers extending at least 6-inches above finished grade over the central baffle wall (24-inch diameter), over the FAST unit (6-inch, minimum), and over the outlet for sampling (2-inch diameter, minimum); and control panel location, circuitry and enclosure requirements.

The imprint that will identify the manufacturer, serial number, and capacity of the referenced unit will be PTS/BM ATU-36 500. The imprint will be located to the right of the opening on the outlet end of the tank.

**ON-SITE WASTEWATER SECTION**  
1642 Mail Service Center, Raleigh, North Carolina 27699-1642  
Telephone 919-733-2895 FAX 919-715-3227

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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 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, un-announced 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: Kippy Blanks, Premium Tanks and Stone, Inc.  
Harold Kelly, Person County Health Department  
On-Site Wastewater Section, Raleigh and Regional Staff