



January 13, 2017

HUFFCUTT CONCRETE, INC.
BILL OLSON
4154 123RD ST
CHIPPEWA FALLS WI 54729

Re: Description: SEWAGE TREATMENT APPARATUS
Manufacturer: HUFFCUTT CONCRETE, INC.
Product Name: (trans id 2876971) BIOMICROBICS MICRO FAST 1.5
Model Number(s): 1650 (ONE COMPARTMENT)
[40.25 IN. L.L.; TANK DIMENSIONS = 139 IN. L X 67 IN. W X 44 IN. H]
Product File No: 20170002

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of January 2022.

This approval supersedes the approval issued on September 8, 2011 under product file number 20110276.

This approval is contingent upon compliance with the following stipulation(s):

- This tank may only be used when installed with the Bio-Microbics, Inc., High Strength or Micro Fast sewage treatment apparatus.
- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.
- This product must be installed in accordance with the manufacturer's printed instructions, product approval and the plan approval. If there is a conflict between the manufacturer's instructions and the plan approval, the plan approval will take precedence.
- Also refer to the department's product approval stipulations for the sewage treatment apparatus, which may include: maximum daily wastewater flow, influent strength, maximum BOD₅, and maintenance intervals.
- **TANK BEDDING:** After excavating to grade, the floor of the tank hole must have all rocks removed that are golf ball size or larger. This applies to soil that is not hard packed clay or rock. If the floor of the hole is hard packed clay or rock, then the hole must be dug deeper to accommodate a lift for sand (no rock) at least 3 inches deep to bring the excavation to the desired grade level.
NOTE 1: Sand is required for tanks that are going to be buried with five or more feet of dirt. Clean no clay content gravel can be used for tanks that have less than five feet of dirt. The rocks that are bigger than golf balls should be removed. The sand rock ratio should be at least 50% sand. Clay should not be distributed along the floor of the tank.
NOTE 2: The bottom of the tank hole should be graded as such. Keep the center of the hole about 0.5 to 1.0 inches lower than the sides of the hole where the tank walls will rest. If there is a high spot in the middle of the hole, the tank will settle and push up or crack the floor of the tank. The floors are only three or four inches thick and are not made to withstand the pressure of the dirt on top of the tank. The cover and walls are made to withstand this pressure so it is very important not to have the center of your hole graded too high.

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- Each tank that is utilized in the installation of this product must pass a water tightness test after installation. The water tightness test must comply with s. SPS 384.25 (2) of the Wis. Adm. Code.
- This approval remains in effect until the expiration date or until the approval of MICRO FAST 0.5, 0.75, or 0.9 are no longer in effect.
- This system must have an adequately sized septic tank for the design upstream of this unit.
- Backfill: Place backfill in uniform layers less than 24 inches thick. Backfill should be free of any large stones (greater than 3 inches in diameter) or other debris. [NPCA Best Practices]

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter
Environmental Engineer - Plumbing Product Reviewer
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