

February 18, 2009

ECOLOGICAL TANKS, INC.
JAMES K. CRAFT
2247 HWY 151 N
DOWNSVILLE LA 71234

Re: Description: SEWAGE TREATMENT SYSTEMS, AERATED (also see SEWAGE TREATMENT APPARATUS)
Manufacturer: ECOLOGICAL TANKS, INC.
Product Name: AQUA SAFE
Model Number(s): AS1000 and AS1000EZ (1000 GPD)
Product File No: 20090027

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, 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 February 2014.**

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

- 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.
- The maximum daily wastewater flow which may discharge through this product is 1000 gallons per day.
- Installation and servicing of this product must be in accordance with the manufacturer's instructions. A copy of the manufacturer's installation and servicing instructions must be given to the owner of the system.
- When this product receives wastewater from dwellings, it will produce an effluent quality with a maximum monthly average value for BOD5 of less than or equal to 30 mg/L, TSS of less than or equal to 30 mg/L TSS and F.O.G. of less than 30 mg/L.
- This product must be installed with the optional 20" diameter Poly Riser terminating at or above finished grade.
- The maximum depth of the treatment tank of this product is 30 inches.
- The manhole (entry) openings for these systems shall be a minimum of 23 inches in the least dimension. The inspection ports for these systems shall be a minimum of three inches in the least dimension.

Inspection ports and manhole openings for systems, located below ground, shall extend to a minimum of the finished grade. Inspection, servicing and maintenance openings for these systems shall terminate with a means that prevents entrance of deleterious materials.

Covers for these systems located at, or above, grade for openings larger than eight inches in the greatest dimension shall be provided with locking devices. These locking devices shall remain locked except for inspection, servicing or maintenance purposes.

- Table 1 Maintenance, Inspection, Pumping Requirements

PRODUCT/ (Models)	AQUA SAFE AS1000 AND AS1000EZ (1000GPD)
Initial/Startup Inspection/ Maintenance	routine inspection/servicing within the first 2 years by qualified/trained person; periodic cleaning of air filter in the aerator compressor
Ongoing Pumping Cycle and/or Requirements	solids removal on a 2 - 5 yr. cycle dependant on instructions of qualified/trained person
Back-Wash Cycle	N/A
Effluent Performance Levels	NSF-40 Class I
BOD5 Credit For Downsizing Distribution Area	YES
Fecal Credit For Reduction Of Vertical Separation	NO
Additional Comments	none

- **Installation and bedding: level sand bottom to prevent settling; free of rocks and sharp objects; installation location between building sewer and septic tank.**

This approval supersedes the approval issued on 2/5/2004 under product file number 20030573.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20030573.

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,

Jean M. MacCubbin, CST
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