

March 16, 2011

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 AIRE
Model Number(s): AA800-65 (2-compartment, concrete, Class I, wastewater treatment plants)

[59 IN. L.L.; 36 IN. MAX. DEPTH OF BURY; 858/297 GAL./COMPARTMENT; MAX. DWF 800 GPD; MAX. BOD5 2.0 LBS./DAY]; TANK DIMENSIONS = 84 IN. L X 71 IN. W X 57 IN. H]

Product File No: 20110041

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 May 2016.**

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.
- Individual system plan approval must be obtained from this department's Section of Private Sewage or the appropriate agent county for each installation of this product prior to its installation.
- This product must be installed in accordance with the manufacturer's printed instructions, the plan approval and s. Comm 83.15 (4), Wis. Admin. Code. If there is a conflict between the manufacturer's instructions and the plan approval, the plan approval and code requirements will take precedence.
- This product may only be installed by a master plumber or journeyman plumber or plumbing apprentice working under the supervision of a master plumber.
- 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.
- Before this product is installed a warning label meeting the requirement of Comm s. 84.25(8)(b), Wis. Admin. Code must be securely attached to the manhole cover.

- **AS OF MARCH 1, 2009 ALL ELECTRICAL CONNECTIONS FOR PRIVATE SEWAGE SYSTEMS MUST COMPLY WITH S. COMM 16.300 WIRING METHODS.**
- A copy of this approval letter and the manufacturer's printed installation and maintenance instructions must be supplied to the buyer of this product and the property owner.
- Because many Commerce approved products are readily available for sale on the internet; it is important that buyers in Wisconsin are aware of approval stipulations for Commerce-approved products.
For example, in the state of Wisconsin, the installation of this product/device in a POWTS requires a credentialed/licensed person, local or state plan review, and/or the issuance of a state sanitary permit. See applicable codes—chs. Comm 5 and 81-87, <http://commerce.wi.gov/SB/SB-DivCodesListing.html>.
It is recommended that when required (a credentialed/licensed person, plan review and a state sanitary permit), such information is included in written and electronic communications (brochures/advertisements/webpages, etc.) regarding this product/device.

**TABLE 1
MAINTENANCE, INSPECTION, PUMPING REQUIREMENTS
ECOLOGICAL TANKS, INC.
(AQUA AIRE MODELS: AA600-50 AND AA800-65)**

Initial/Startup Inspection/ Maintenance	Two-year service policy
Routine Inspection/Maintenance	Every 2-5 years or when required by local or state
Ongoing Pumping Cycle And/Or Requirements	Pump at 60% solids, every 2-5 years, or
	as per local/state requirements
NSF 40 Effluent Standard*	NSF 40 Class 1 Effluent Standard*
BOD5 Credit For Downsizing Distribution Area	YES
Fecal Credit For Reduction Of Vertical Separation	NO
Additional Comments	

* **NOTE: NSF/ANSI 40 Effluent Standard - Class I, Class 2, and None or NA**

- For seasonal use, refer to manufacturer's manual for homeowner care and instructions.
- This device must display a permanent label or dataplate that displays the manufacturers name and address, and the model number of this device.
- This product must be installed in a department-approved tank that meets the design criteria for this product, as specified by the device manufacturer. For concrete tanks see: http://commerce.wi.gov/php/sb-ppalopp/prodcode_result.php/STC/SEWAGE_TANKS,_CONCRETE.

This approval supersedes the approval issued on 5/23/2006 under product file number 20050649.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20050649.

As of May 15, 2008, a copy of a successful water tightness test report for this product must be AVAILABLE FOR INSPECTION AT THE MANUFACTURER'S PLANT prior to this product being used as a POWTS holding or treatment tank in Wisconsin.

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,

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