



Janice K. Brewer
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Benjamin H. Grumbles
Director

Notice of Proprietary Treatment Product Listing Pursuant to Arizona Administrative Code R18-9-A309(E)

1. Proprietary Treatment Product Name, Model, and Description

Product Name: Aqua Safe
 Model: AS500, AS600, AS750, AS1000, and AS1500
 Description: The Aqua Safe® series of treatment units are consisted of a plastic reinforced fiber glass tanks each with an outer mixing compartment, a center settling or clarifier cone shape compartment, aerator compressor, four air lines located around the perimeter of the mixing compartment, and related appurtenances.

2. Manufacturer Information

Name: Ecological Tanks, Inc.
 Address: 2247 Hwy. 151 North
 City/State/Zip: Downsville, Louisiana 71234
 Phone: 318-644-0397
 Fax: 318-644-7257
 Website: www.etiaquasafe.com

3. Recognized Treatment Performance

Parameter	Averaging Time	Maximum Value for Parameter & Averaging Time
5-Day Biochemical Oxygen Demand (BOD ₅), mg/l	30-day arithmetic mean	30
Total Suspended Solids (TSS), mg/l	30-day arithmetic mean	30
Total nitrogen (as nitrogen), mg/l	five-month arithmetic mean	53
Total coliform, colony forming units/100ml	95th percentile	300,000

NOTE 1 DOCUMENTATION PACKAGE FOR TREATMENT PRODUCT LISTING

<http://www.azdeq.gov>

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4. Product Applicability and Limitations for Use for a Recognized General Permit Technology

<p>Applicability: This listing is for AS500, AS600, AS750, AS1000, and AS1500 only for the treatment technology specified in A.A.C. R18-9-E315.</p>
<p>Limitations:</p> <ul style="list-style-type: none"> A. The product is for treating wastewater from “residential homes, multiple homes, or light commercial applications” with a maximum design flow of 1,500 gpd established per A.A.C. R18-9-A309(B)(3). B. Optional chlorinator shall not be used because the Model AS500, AS600, AS750, AS1000, and AS1500 treatment performance do not comply with A.A.C. R18-9-E320(D)(1). C. Listing does not include control panel and alarm device which shall comply with manufacturer specifications and 18 A.A.C. 9, Article3.

5. Alternative Criteria and Exceptions for Use Under the Recognized General Permit Technology

Alternative Criteria:	NONE
Exception:	NONE

6. Documents Used as the Basis for this Proprietary Treatment Product Listing Notice

Application for Treatment Product Listing:	Dated 2/8/08. (NOTE 1)
Third party test data:	(NOTE 2)
Parts List:	Page 35 to 49 of Performance Testing and Evaluation Certification Report by Baylor University, 2002
Installation Instructions:	Revised Installation, Operation, Maintenance (O&M) Manual, and Troubleshooting Manual, April, 2009. (NOTE 1)
Manufacturer’s Warrantee:	Owner’s Manual (Page # 9), 2005.
Manufacturer’s Specifications:	Revised Installation, Operation, Maintenance (O&M) Manual, and Troubleshooting Manual, April, 2009. (NOTE 1)
Owner’s Manual	Class I Wastewater Treatment Plants Owner’s Manual, Total 10 pages, 2005. (NOTE 1)

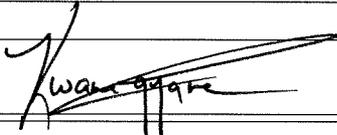
NOTE 1 – Document is an integral part of this Proprietary Treatment Product Listing Notice and is included in the Arizona Department of Environmental Quality website at:

<http://www.azdeq.gov/environ/water/permits/download>

NOTE 2 – Performance Testing and Evaluation Certification Report by Baylor University, Department of Environmental Studies, Individual On-Site Waste Water Treatment System Testing and Certification Program , Waco, Texas, with the cooperation of the Brazos River Authority, Waco, Texas, May, 2002.

7. Terms and Conditions for this Proprietary Treatment Product Listing Notice

- A. This Notice of Proprietary Treatment Product Listing shall remain in effect until any of the following occurs:
 - i. Applicable provisions of the Arizona Administrative Code, Title 18, Chapter 9, Article 3 are revised;
 - ii. Documents used for the basis of this listing are altered or modified;
 - iii. Manufacturer claims which are relied upon for this listing are later determined to contain an error or omission;
 - iv. The manufacturer requests termination of this listing;
 - v. A listing error or omission is identified; or
 - vi. The manufacturer and ADEQ mutually agree to reissue this notification to incorporate correction or update for any reason.
- B. This Notice of Proprietary Treatment Product Listing does not apply when the:
 - i. Listed proprietary treatment product is modified or operated in a manner that conflicts with Arizona law or the documents used for the basis of this listing action in Section 6.
 - ii. Listed proprietary treatment products used in a manner that cannot achieve the performance in Section 3 above.
- C. This Notice of Proprietary Treatment Product Listing applies solely to the product specified in Section 1 above.
- D. The manufacturer is responsible for notifying the ADEQ of changes to contact information at the following address:
 - Attention: Product Listing Supervisor
 - Engineering Review Desk,
 - 1110 West Washington Street
 - Phoenix, AZ 85007.
- E. The listing by ADEQ of any proprietary product or service is not an endorsement by ADEQ or the State of Arizona. ADEQ does not endorse, represent, guarantee, warranty or defend the use of any product which is authorized for use pursuant to A.A.C. R18-9-A309(E). Product providers are a direct source unrelated to ADEQ or the State of Arizona. Use of any listed product is at the user's risk and the State assumes no liability.

Signature:		Date Signed:	9/10/09
Title:	Manager, Engineering Review Section		

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 ADEQ File #:20080104
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