



Douglas A. Ducey  
Governor

# ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



Misael Cabrera  
Director

## Notice of Proprietary Treatment Product Listing Pursuant to Arizona Administrative Code R18-9-A309(E) ADEQ File No. 20170125

### 1. Proprietary Treatment Product Name, Model, and Description

Product Name: E-Z Treat

Models: # 600, #750, #1200, Big EZ #3L, Big EZ #4L, Big EZ #5L and Big EZ #6L

Description: The E-Z Treat is recirculating synthetic media filter that consists of a fiberglass or plastic tank(s) containing a pre-determined amount of open cell synthetic media. The process consists of four stages in the treatment process. The treatment begins in the pretreatment stages consisting of the septic tank in stage one, with effluent going to the process tank where the effluent is sprayed over the media using specialized nozzles to evenly distribute wastewater and achieve treatment. In the third stage the treated effluent is sent to a recirculation tank where it routes through a recirculation device recirculating the flows 5 to 1 where further treatment occurs before being forwarded to disposal. This listing is applicable for design flows 3,000 to 24,000 gallons per day (gpd).

### 2. Manufacturer Information

Name: E-Z Treat  
Address: P.O. BOX 176  
City/State/Zip: Haymarket, VA. 20168  
Phone: (866) 753-4770  
Fax: (571) 248-8837  
Website: <http://www.eztreat.net/>

### 3. Recognized Treatment Performance

Parameter	Averaging Time	Parameter Value for Averaging Time
5-Day Biochemical Oxygen Demand (BOD <sub>5</sub> ), mg/l	30-day arithmetic mean	5
Total Suspended Solids (TSS), mg/l	30-day arithmetic mean	5
Total nitrogen as nitrogen(TN), mg/l	five-month arithmetic mean	15
Total coliform, colony forming units/100ml	95th percentile	100,000

#### Main Office

1110 West Washington Street • Phoenix, AZ 85007  
(602) 771-2300

#### Southern Regional Office

400 West Congress Street • Suite 433 • Tucson, AZ 85701  
(520) 628-6733

[www.azdeq.gov](http://www.azdeq.gov)

printed on recycled paper

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

**Applicability:** This listing is for only the E-Z Treat Model #600, #750, #1200, Big EZ #3L, Big EZ #4L, and Big EZ #6L and is listed as a recirculating synthetic media filter treatment technology specified in A.A.C. R18-9-E312. This product shall be used in conjunction with a septic tank or multiple septic tanks in series.

**Limitations:**

- A. The product, including septic tank, is subject to A.A.C. R18-9-A312(F)(2) through (4).
- B. The product shall receive wastewater that meets the definition of typical sewage in R18-9-101(42) and is treated to a level equal to or better that that specified in R18-9-E302(B).
- C. The product shall conform the following:

Manufacturer's Model Number	Maximum Treatment System Design Flow per Pod (GPD) (see note 1)	Minimum Capacity of the Recirculation Tank/Chamber (gallons)	Number of Pods	Treatment Product Appurtenances
#600	600	1 x Design Flow	1	See E-Z Treat General Specifications and Referenced Drawings.  For other appurtenance related to this product see Note 2.
#750	750	1 x Design Flow	1	
#1200	1200	1 x Design Flow	1	
Big EZ #3L	2426	1 x Design Flow	1	
Big EZ #4L	3273	1 x Design Flow	1	
Big EZ #5L	4119	1 x Design Flow	1	
Big EZ #6L	5000	1 x Design Flow	1	

Multiple pods may be combined to achieve desired design flow. Models listed in this table shall only be used for systems with design flows between 3,000 gpd to 24,000 gpd.

**NOTES:**

1. For treating septic tank effluent per A.A.C. R18-9-E302 (B). Septic Tank preceding E-Z Treat should meet all requirements per R18-9-A314.
2. Appurtenances for this Treatment Product Listing INCLUDE the E-Z Treat pod, recirculation pump, bypass valve, and interconnecting piping. This Treatment Product Listing EXCLUDES appurtenances which are considered to be "other manufactured materials and components" such as alarm, control panel, control, switch, timer, wiring, other electrical devices, and installation components; which are subject to both the manufacturer specifications and any more restrictive requirement in 18 A.A.C. 9, Article 3.

- D. This listing is for domestic wastewater from residential and commercial facilities. Contact Manufacturer if using the product for commercial facilities.
- E. When wastewater does not meet the definition of typical sewage as defined in R18-9-101(42), a Manufacturer's Design Review Report shall be submitted for review and approval along with the Notice of Intent to Discharge. This Design Review Report shall specify component capacities, control settings, and supplemental installation and operational practices.
- F. 24-hour emergency storage requirement per R18-9-A312(B)(4)(e) is waived by providing redundant pumps and emergency back up power. This is a condition of the product listing requested by E-Z Treat Corporation dated February 18, 2020.
- G. Nominal recirculation ratio for the system is 5:1.

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

<b>Alternative:</b>	None
<b>Exception:</b>	The media loading rate shall not exceed 37.5 gallons per day per square foot of filter media.

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

Application for Treatment Product Listing:	May 23 <sup>rd</sup> , 2017 March 25, 2020
3 <sup>rd</sup> Party Test data:	NSF 40: E-Z Treat Model#600, January 2016. NSF-245:E-Z Treat Model#600, January 2016
NSF letter for scale up	Letter dated June 14, 2017
Installation Instructions:	With E-Z Treat #600 & #1200 Model Arizona Application, October 2016 & May 2017
Manufacturer's Warrantee:	With E-Z Treat #600 & #1200 Model Arizona Application, October 2016.
Manufacturer's Specifications:	With E-Z Treat Arizona Application, October 2016.
Manufacturer's Design Drawings:	E-Z Treat System, May 11, 2015 & February 1, 2017. Appendix B of application dated March 25, 2020
EZ Treat System Sizing Table for Arizona	With E-Z Treat Arizona Application, May 2017.
Operation & Maintenance Manual:	With E-Z Treat #600 & #1200 Model Arizona Application, October 2016.

**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 is used in a manner that cannot be achieved 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: 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.

<b>Signature:</b>	<i>Naveen Savarirayan</i>	<b>Date Signed:</b>	June 16, 2020
<b>Title:</b>	Manager, Groundwater Protection Value Stream		

ADEQ File Number: 20200107

Reviewer: Luke Peterson