



Douglas A. Ducey  
Governor

# ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



Misael Cabrera  
Director

## Notice of Proprietary Product Listing Pursuant to Arizona Administrative Code R18-9-A309(E) LTF #68462

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

Product Name: EZflow Expanded Polystyrene (EPS) Aggregate System

Sizes: 12" Diameter & 18" Diameter Bundles

Description: EZflow is a wastewater dispersal product that serves the same purpose as a chamber or trench disposal pipe and fill. It provides the means to overcome site limitations through superior hydraulic performance as compared to the hydraulic performance of conventional mined aggregate and pipe in a trench. This listing is applicable for design flows up to 24,000 gpd.

### 2. Manufacturer Information

Name: Infiltrator Water Technologies  
Address: PO Box 768, 4 Business Park Road  
City/State/Zip: Old Saybrook, Connecticut 06475  
Phone: 800-221-4436  
Fax: 800-577-7001  
Website: <http://www.infiltratorwater.com>

### 3. Minimum Wastewater Treatment – the treated wastewater released to the native soil through the expanded polystyrene aggregate meets the following criteria:

Parameter	Averaging Time	Parameter Value for Averaging Time
5-Day Biochemical Oxygen Demand (BOD <sub>5</sub> ), mg/l	30-day arithmetic mean	150
Total Suspended Solids (TSS), mg/l	30-day arithmetic mean	75
Total nitrogen as nitrogen(TN), mg/l	five-month arithmetic mean	53
Total coliform, colony forming units/100ml	95th percentile	100,000,000

**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)

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

##### Applicability:

- a. The EZflow product is a disposal pipe and aggregate substitute placed within a trench, and serving the same purpose as a chamber or trench disposal pipe and aggregate fill described under A.A.C. R18-9-E302.
- b. The requirements, including processing and application and inspection fees, for the Notice of Intent to Discharge pursuant to A.A.C. R18-9-A309(B) and (C), shall be for a treatment and disposal works pursuant to A.A.C. R18-9-E302 Type 4.02 General Permit for the EZflow products shown in item 4 of this product listing notice.
- c. The EZflow product shall be designed and installed in accordance with the manufacturer's recommendations.
- d. Operation and maintenance requirements for the EZflow product shall be identical to the requirements for a chamber or trench disposal pipe and aggregate fill described under A.A.C. R18-9-E302.

##### Limitations:

- a. The product is subject to A.A.C. R18-9-A312(F)(2) and (4).
- b. The product shall only disperse septic tank effluent or better quality.
- c. The product shall conform to the following:

EZflow Configuration	Bundle Diameter (in)	Number of Bundles	Number of 4-Inch Diameter Pipes	Trench Width (in)	Allowable Effective Absorption Area (sf/lf)
1803T	18	3	1	36	11
1804V	18	4	1	36	11
1805T	18	5	1	36	11
1802H	18	2	1	36	7.1
1209V	12	9	1	36	11
1205T	12	5	1	24	9.5
1206V	12	6	1	24	10
1207T	12	7	1	24	11
1208V	12	8	1	24	11
1801V	18	1	1	18	5
1802V	18	2	1	18	9.3
1803V	18	3	1	18	11
1202V	12	2	1	12	5.7
1203V	12	3	1	12	8.6
1204V	12	4	1	12	11

- d. This listing EXCLUDES appurtenances such as filter fabric, an 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.
- e. This listing is for dispersal of effluent that comes from treatment of wastewater that meets the definition of typical sewage as defined in A.A.C. R18-9-101(42).

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

<b>Alternative:</b>	None
<b>Exception:</b>	<ul style="list-style-type: none"> <li>a. When the effluent comes from the treatment of wastewater that 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, and supplemental installation &amp; operational practices.</li> </ul>


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

Arizona PPL Application, Date 3/16/17:	Tab #1
Product Information:	Tab #2
Product Warrantee:	Tab #3
Technical Drawings dated 6/01/09 thru 9/18/14:	Tab #4
Pretreatment Requirements:	Tab #5
Engineering Details & Calculations:	Tab #6
Specifications of Materials:	Tab #7
Operation & Maintenance Information:	Tab #8
Installer Instructions:	Tab #9
Third Party Independent Testing:	Tab #10
Design Manual:	Tab #11

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

- a. This Notice of Proprietary Product Listing shall remain in effect until any of the following occurs:
  - 1) Applicable provisions of the Arizona Administrative Code, Title 18, Chapter 9, Article 3 are revised;
  - 2) Documents used for the basis of this listing are altered or modified;
  - 3) Manufacturer claims which are relied upon for this listing are later determined to contain an error or omission;
  - 4) The manufacturer requests termination of this listing;
  - 5) A listing error or omission is identified; or
  - 6) The manufacturer and ADEQ mutually agree to reissue this notification to incorporate a correction or update for any reason.
- b. This Notice of Proprietary Product Listing does not apply when the:
  - 1) 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.
  - 2) Listed proprietary treatment products is used in a manner that cannot achieve the performance stated in Section 3 above.
- c. This Notice of Proprietary 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:

Ground Water Monitoring & Engineering Unit  
Engineering Review Desk, 5<sup>th</sup> Floor  
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>	 David Dunaway	<b>Date Signed:</b>	12/8/2017
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<b>Title:</b>	Groundwater Protection Value Stream Manager
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