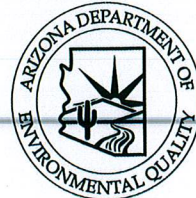




Douglas A. Ducey  
Governor

# ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



Henry R. Darwin  
Director

## Notice of Proprietary Treatment Product Listing Pursuant to Arizona Administrative Code R18-9-A309(E) ADEQ File No. 20150100 LTF No. 62221

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

Product Name: Fuji Clean CE Series  
Models: CE5, CE7, CE10, CE21, & CE30  
Description: The Fuji Clean CE Series is a combination of several processes in three different chambers in a composite fibre-reinforced plastic tank. First chamber is a sedimentation chamber where solids and liquids are separated. The second chamber is an anaerobic contact filtration chamber with fixed film media. Denitrification takes place in these chambers. The third chamber includes an oxygen rich aerobic contact filtration zone, storage chamber, recirculation and effluent air lift pumps, aeration pipes connected with external blower, and an optional disinfection chamber.

### 2. Manufacturer Information

Name: Fuji Clean USA, LLC.  
Address: 41-2 Greenwood Road  
City/State/Zip: Brunswick, Maine, ME. 04011  
Phone: 207-406-2927  
Fax: 207-406-2929  
Website: [www.fujicleanusa.com](http://www.fujicleanusa.com)

### 3. Recognized Treatment Performance

Parameter	Averaging Time	Maximum Value for Parameter & Averaging Time
5-Day Biochemical Oxygen Demand (BOD <sub>5</sub> ), 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*

\* Default value due to the lack of submitting 3<sup>rd</sup> party test data per R18-9-E315(B).

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

**Applicability:** This listing is for the treatment technology specified in A.A.C. R18-9-E315.

**Limitations:**

- A. This listing is only for technology approved in accordance with A.A.C. R18-9-E315 and does not include any other technology/product including disinfection devices.
- B. The product is subject to R18-9-A312(B)(4)(e) (Note B.1)
- C. The treatment system shall conform to the following:

Manufacturer's Model Name	Maximum Number of Bedrooms	Maximum Treatment System Design Flow (gallons per day) (see NOTE C.1)	Treatment Tank Size (gallons)			
			Sedimentation Chamber (gallon)	Anaerobic Filtration Chamber (gallon)	Aeration Chamber (gallon)	Total Volume of Treatment Tank (gallon)
CE5	3	450	198	198	144	540
CE7	4	630	277	278	194	749
CE10	6	900	397	396	276	1069
CE21	N/A (Note C.2)	1,800	837	839	576	2,252
CE30	N/A (Note C.2)	2,700	1200	1198	835	3,233

- D. The product is subject to A.A.C. R18-9-A312(F)(2) through (4).
- E. This listing EXCLUDES appurtenances which are considered to be "other manufactured materials and components" such as 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.

**NOTES:**

**B.1** If the one Model of CE Series is installed in a property served by a municipal water system the design submittal MUST include either at least a generator or battery back up for a period of 24-hour power outage OR install a separate septic tank in front of the CE to provide at least total flow of 1.5 times the daily design flow.

**C.1** A.A.C. R18-9-A314(4)(a)(i).

**C.2** When the wastewater source is other than single family dwellings, a Manufacturer's Design Review Report shall be submitted with the Notice of Intent to Discharge to specify component capacities, control settings, and supplemental installation & operational practices.

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

Application for Treatment Product Listing:	Arizona PPL Application, Dated 4/4/15 & 6/16/15
Treatment Process Overview:	Appendix A, Arizona PPL Application.
Manufacturer's Specifications:	Design Specification Table for Arizona in APPENDIX B, dated 6/15/15, Arizona PPL Application.
Manufacturer's Design Drawings:	Structural Drawing, dated 3/21/14, 5/21/14, & 3/15/15. APPENDIX C, Arizona PPL Application.
Installation Instructions:	Fuji Clean USA™, LLC, Installation Manual, dated 4/8/2015. APPENDIX D, Arizona PPL Application.
Manufacturer's Warrantee:	Fuji Clean USA™, LLC, two years limited warranty. APPENDIX E, Arizona PPL Application.
Operation & Maintenance Manual:	Fuji Clean USA™, LLC, dated 4/8/15. APPENDIX F, Arizona PPL Application.
Owner's Manual:	Fuji Clean USA™, LLC, Owner's Manual, dated 5/1/15. APPENDIX G, Arizona PPL Application.
3 <sup>rd</sup> Party Test data:	NSF Report, dated January 2015. APPENDIX H, Arizona PPL Application
Structural Analysis:	Analysis was signed and sealed by Bennette D. Burks, P.E. (Registration No.56240), dated March 27, 2015.
Other Documents:	Response to R18-9-A312(B)(4)(e), dated May 29, 2015.

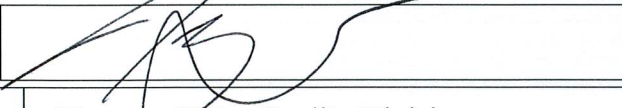
**NOTE 1** – This document is an integral part of this Proprietary Treatment Product Listing Notice and is included in the Arizona Department of Environmental Quality website at:

<http://www.azdeq.gov/enviro/water/engineering/product.html>

**6. 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: 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.

<b>Signature:</b>		<b>Date Signed:</b>	6-22-15
<b>Title:</b>	Director, Water Quality Division		