

BAT Class I Technology List

The following technologies have successfully completed field verification and are classified as BAT Class I units. All BAT Class I units are eligible for funding through the Bay Restoration Fund onsite sewage disposal system grant program.

Model	Contact Information	Certifications	MDE Field Performance Analysis for Total Nitrogen
Fuji Clean CEN-Series	<p>Manufacturer Fuji Clean USA www.fujicleanusa.com</p> <p>Local Distributor - Bay Area Environmental Don Jones - (410) 836-9206 manager@jonespumpservice.com</p>	<p>NSF 245 And other</p>	<p>Mean % Reduction of TN: 77%</p> <p>Mean Effluent Concentration: 14.1 mg/l Data & Analysis</p>
Advantex®-RT	<p>Manufacturer Orenco Systems®, Inc. www.orenco.com/</p> <p>Local Distributor</p> <p>Eastern Region - Service Energy Paul Hufschmidt – (302) 734-7433 phuffy@serviceenergy.com</p> <p>Central, Southern, Western - Atlantic Solutions Bob Johnson - 1 (877) 214-9283 bjohnson@septicssystem.net</p>	<p>Other 3rd Party</p>	<p>Mean % Reduction of TN: 76%</p> <p>Mean Effluent Concentration: 14.5 mg/l Data & Analysis</p>
Advantex®-AX20	<p>Manufacturer Orenco Systems®, Inc. www.orenco.com/</p> <p>Local Distributor</p> <p>Eastern Region - Service Energy Paul Hufschmidt – (302) 734-7433 phuffy@serviceenergy.com</p> <p>Central, Southern, Western - Atlantic Solutions Bob Johnson - 1 (877) 214-9283 bjohnson@septicssystem.net</p>	<p>Other 3rd Party</p>	<p>Mean % Reduction of TN: 71%</p> <p>Mean Effluent Concentration: 17 mg/l Data & Analysis</p>
SeptiTech®	<p>Manufacturer SeptiTech, Inc. www.septitech.com</p> <p>Local Distributors</p> <p>Eastern Region - Gillespie & Sons Inc. Jim Gillespie - (410) 778-0900 jimg@gillespieandson.com</p> <p>Central Region - Bay Area Environmental Don Jones - (410) 836-9206 manager@jonespumpservice.com</p>	<p>ETV And NSF 245</p>	<p>Mean % Reduction of TN: 67%</p> <p>Mean Effluent Concentration: 20 mg/l Data & Analysis</p>

Hydro-Action® - AN Series	<p>Manufacturer Hydro-Action/AK Industries Inc. www.hydro-action.com</p> <p>Regional Distributor- Blue Water Environmental, LLC Mark O'Rourke - (240) 444-6401 Email: Mark@BWEnvironmental.com</p> <p>Local Distributors Central-Eastern Region- Sample Excavating Co. Inc. Mike Sample - (443) 807-8639 Email: Sample415@yahoo.com</p> <p>Southern Region -Outback Porta-Jon, Inc. Steve Willson - (410) 257-1600 Email: Willson05@comcast.net</p>	NSF 245	<p>Mean % Reduction of TN: 66%</p> <p>Mean Effluent Concentration: 20.3 mg/l</p> <p>Data & Analysis</p>
Hoot® BNR	<p>Manufacturer Hoot Aerobic Systems, Inc. www.hootsystems.com</p> <p>Local Distributor - Mayer Bros. Nancy Mayer - (410) 796-1434 nancy@mayerprecast.com</p>	Other 3rd Party	<p>Mean % Reduction of TN: 64%</p> <p>Mean Effluent Concentration: 21 mg/l</p> <p>Data & Analysis</p>
RetroFAST	<p>Manufacturer Bio-Microbics, Inc. http://www.biomicrobics.com</p> <p>Local Distributors</p> <p>Eastern Region - Gillespie & Sons, Inc. Jim Gillespie - (410) 778-0900 jimg@gillespieandson.com</p> <p>Central Region - Bay Area Environmental Don Jones - (410) 836-9206 manager@jonespumpservice.com</p>	ETV	<p>Mean % Reduction of TN: 58%</p> <p>Mean Effluent Concentration: 25.4 mg/l</p> <p>Data & Analysis</p> <p>Limited to households of 1 to 4 occupants and 3 bedroom or less</p>
Singulair TNT & Singulair Green (plastic tank)	<p>Manufacturer Norweco, Inc. www.norweco.com</p> <p>Local Distributors</p> <p>Eastern Shore - Towers Concrete Products John Short - (443) 786-0594 btowers62@gmail.com</p> <p>Southern Region - Superior Tank Jeff Earnshaw - (301) 274-3772 superiortank@olg.com</p> <p>Western Region - C.R. Semler Charlie Semler - (301) 824-2780 crsemmler@crsemmler.com</p> <p>Western Region - Garrett & Allegany Co. Pile's Concrete Products Co. Inc. Brett Zimmerman - (814) 445-6619 brett_zimmerman@hotmail.com</p> <p>Central Region - Back River Pre-Cast LLC Matt Geckle - (410) 833-3394</p>	Other 3rd Party And NSF 245	<p>Mean % Reduction of TN: 55%</p> <p>Mean Effluent Concentration: 27 mg/l</p> <p>Data & Analysis</p>

AquaKlear	<p style="text-align: center;">Manufacturer AquaKlear Inc http://www.aquaklear.net/</p> <p style="text-align: center;">Local Distributor - BayStar Precast Corp. Dave Care - (410) 977-3453 careless32@comcast.net</p>	Other 3rd Party And NSF 245	Mean % Reduction of TN: 54% Mean Effluent Concentration: 27.5 mg/l Data & Analysis
-----------	--	---	--

Last Updated: 9/5/19