

CHARLES COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
PO BOX 1050

WHITE PLAINS, MARYLAND 20695
Phone 301-609-6751 Fax 301-609-6684

BAY RESTORATION FUND GRANT APPLICATION CHECKLIST- FY27

NEW CONSTRUCTION is no longer being funded- Failing systems are the highest in Priority. Adding bedrooms is considered new construction. If funding is still available at the end of the fiscal period, some funding could be available.

[DO NOT SUBMIT AN INCOMPLETE PACKAGE AND/OR BEFORE A SEPTIC PERMIT IS ISSUED.]

Applicant Name: _____ Phone Number: _____

Date Package submitted: _____ Address: _____

The items below are needed before an agreement letter can be written. Please submit them together as soon as possible as **one complete package.**

- BRF Application
- Bid from a BAT manufacturer
- Federal Tax return to verify income (Submit first 2 pages of the last Federal Tax return) Verification of income – **Business- (50% funding) ● Small Business (75% funding, only if listed as a Small Business Vendor on eMMA/SBR <https://emma.maryland.gov/>**
- Property Owner (not a business)-** (If income is more than \$300,000 only 50% of the cost is eligible for BRF Funding)
 - **First 2 pages of last year's Tax Form 1040**
 - **OR**
 - **Provide a signed statement stating that does not file taxes and attach a copy of the social benefit statement or 1099 form.**
- Site Plan. (Hand-drawn site plans acceptable for repairs only. Site plan must show all wells and septic tanks within 100 feet of property)
- For a site with a failing drain field or septic tank, a permit must be acquired first and then submitted with this package
 - Septic Permit (If a septic permit hasn't been issued, **do not** submit this package until a permit is issued)
- ❖ **For BAT connections only, before an agreement letter can be written a review of the property file will be completed to ensure that there is a septic system to be connected to. If septic information isn't in the file then the system will need to be uncovered. The depth of gravel measured and where the water table is to ensure the required separation is present.**

Once all the above have been submitted an agreement letter may be issued.

- Agreement signed & stamped by Land Records and returned to the Health Dept.

Once everything above has been submitted a permit **may** be issued.

- The BRF permit issued by Health Dept is good for **60 days only.**

The BAT tank must be installed and be inspected by Planchek within 60 days of the permit being issued. This also applies to Sandmounds and I&A systems.

Once the tank is installed and the electrical has been inspected by Planchek, an inspection will be done by the Health Dept.

- Submit copy of electrical inspection from Planchek before calling for a final inspection.

The following will need to be submitted to the Health Department after the tank has been installed.

- Statement from distributor/Certificate of Insurance
- BAT Invoice (with the complete address on it)

PLEASE KEEP THIS OR MAKE A COPY FOR YOUR RECORDS

CHARLES COUNTY DEPARTMENT OF HEALTH DIVISION OF ENVIRONMENTAL HEALTH 4545 CRAIN HIGHWAY, PO BOX 1050 WHITE PLAINS, MARYLAND 20695 BAY RESTORATION GRANT APPLICATION NITROGEN-REDUCING PRETREATMENT UNIT BRF FY26					Date Application Received	
					Official Use Only	
This application is designed to aid in determining your eligibility. Submit completed applications to the address above. Please note if you are issued a BRF permit it will be valid for 60 days past the date of issuance.						
Building		Type		BAT Funding Eligibility		Water Supply
A: ☐ Existing Home: B: ☐ Existing Business C: ☐ Existing Non-profit D:		[☐] Repair [☐] Upgrade		☐ A: 100% BAT cost, if Income < \$300K (Check Total Income line from 1040) 50% BAT cost, if Income >300K ☐ B: 50% of BAT cost 75% of BAT cost (Must be registered with the Maryland Small Business Reserve Program) ☐ C: 100% of BAT cost (keep copy of non-profit status in file) ☐ D: (Income eligibility* BAT cost-\$1200)		☐ Existing Well Tag # CH- _____ ☐ Public Water
If income is more than \$300,000 only 50% of the BAT cost is eligible for BRF Funding						
Owner				Address		
City, State Zip				Phone Number (Home)		Phone Number (Work)
Email Address (Communication regarding BRF only)				Social Security Number (Required for Payment Purposes)		
Building Address _____						
House Number, Street, City						
Property Tax Account Number		Subdivision		Lot Number	Tax Map	Grid Parcel
** DESCRIBE ANY PROBLEMS WITH YOUR EXISTING SYSTEM ** i.e. (Tank Failure, Drainfield failing, etc.)						
LOT LOCATED WITHIN CHESAPEAKE BAY CRITICAL AREA: YES _____ NO _____ UNKNOWN _____						
Number of existing Bedrooms:		For failing septic systems, repair Permit issued ☐ No (Stop permit required) ☐ Yes, Permit # _____				
NAME, MAILING ADDRESS AND PHONE NUMBER OF APPLICANT IF DIFFERENT FROM PROPERTY OWNER						
A SITE PLAN SHOWING THE SIZE AND SHAPE OF THE PROPERTY, HOUSE LOCATION, ALL STRUCTURES ON THE PROPERTY, LOCATION OF WELL AND SEPTIC SYSTEM ON THE PROPERTY MUST BE SUBMITTED.						
The applicant hereby certifies and agrees that:						
(1) the applicant is authorized to make the application; (2) the information is correct; (3) the applicant will comply with all regulations of Charles County which are applicable hereto; (4) the applicant will perform no work on the above property not specifically described in this application; (5) The applicant will ensure that the BAT tank will be installed and have the final electrical inspection by Planchek completed within 60 days of the BRF permit being issued ,(6) the applicant grants County officials and approved contractors the right to enter onto the property for the purpose of inspecting the work permitted, posting notices, and performing maintenance and sampling.(6) The annual O&M costs will be at the Owner's expense after the initial contract ends.						
SIGNED _____ (required) DATE _____						

Instructions for Completing the Bay Restoration Grant Application for a Nitrogen-Reducing Pretreatment Unit

The following are instructions for completing an application to upgrade existing septic systems with nitrogen reducing pretreatment units. The information listed below corresponds to the items listed on the Bay Restoration Grant Application.

- Building: Indicate the type of building on the property.
- Type: Indicate the type of septic system project for the property.
- Water Supply: Indicate the type of water supply on the property.

Item 1: List the property owner's name and mailing address including the street address, city, state, and zip code. Also include the home and work telephone numbers for the property owner.

Item 2: List the building address of the property, including the house number, street name, and city.

Item 3: Transfer the 12-digit tax account number from the corresponding County property tax bill.

1) Applicant Information:

Applicant must sign the application and agree to the terms of the application. Provide name, mailing address and phone number of the applicant in the box provided.

2) Site Plan:

Submit a site plan showing the size and shape of the property, house location, well and septic system on the property, property lines, rights of way, easements, and existing improvements such as decks, garages, sheds and swimming pools.

3) Federal Tax return:

A copy of the previous year's **federal** tax return. **First 2 pages only of federal tax return.**

For small business to receive 75% funding for BATs you need to be registered with the Small Business Reserve with the eMMA- <https://emma.maryland.gov/>

4) Bid:

A bid from a B.A.T tank manufacturer is required. The owner will present to the County their BAT System of choice from the Fixed Pre-Approved Vendor list. The required Annual O&M costs will be at the Owner's expense.

Application package is not complete until all of the above requests have been met. Once all requests are met a BRF agreement will be typed for pick-up and taken to land records for recording. Only after the agreement is brought back to the office recorded will a permit be typed. This permit will only be valid for 60 days past the date of issuance. The BAT will need to be installed and have a final electrical inspection by Planchek during that 60 day period.

<u>For More Information Contact:</u>	<u>Mail Application To:</u>
Latoya Reeder 301-609-6751 Well & Septic Program Latoya.reeder1@maryland.gov	Charles County Department of Health Environmental Health Services 4545 Crain Highway P.O. Box 1050 White Plains, MD 20695

The following technologies have successfully completed field verification (BAT Class I) Page 1 of 3

Model	Contact Information	Certifications	MDE Field Performance Analysis for Total Nitrogen
Fuji Clean CN-Series	Manufacturer Fuji Clean USA www.fujicleanusa.com Local Distributor Bay Area Environmental Don Jones – (410) 836-9206 manager@jonespumpservice.com	NSF 245 And other	Mean % Reduction of TN: 77% Mean Effluent Concentration: 14.1 mg/l Data & Analysis
Advantex®-RT	Manufacturer Orenco Systems®, Inc. www.orenco.com/ Local Distributor Atlantic Solutions Bob Johnson- 1(877)214-9283 bjohnson@septicssystems.net	Other 3rd Party	Mean % Reduction of TN: 76% Mean Effluent Concentration: 14.5 mg/l Data & Analysis
Advantex®-AX20	Manufacturer Orenco Systems®, Inc. www.orenco.com/ Local Distributor Atlantic Solutions Bob Johnson- 1(877)214-9283 bjohnson@septicssystems.net	Other 3rd Party	Mean % Reduction of TN: 71% Mean Effluent Concentration: 17.2 mg/l Data & Analysis
SeptiTech®	Manufacturer SeptiTech, Inc. www.septitech.com Local Distributors Eastern Region Gillespie & Sons Inc. Jim Gillespie - (410) 778-0900 jimg@gillespieandson.com Central Region Bay Area Environmental Don Jones - (410) 836-9206 manager@jonespumpservice.com	ETV and NSF 245	Mean % Reduction of TN: 67% Mean Effluent Concentration: 19.7 mg/l Data & Analysis

Hydro-Action® - AN Series	Manufacturer Hydro-Action/AK Industries Inc.. www.hydro-action.com Regional Distributor Blue Water Environmental, LLC Mark O'Rourke - (240) 444-6401 mark@bwenvironmental.com. Local Distributors Central-Eastern Region Sample Excavating Co. Inc. Mike Sample - (443) 807-8639 sample415@yahoo.com Southern Region Outback Porta-Jon, Inc. Steve Wilson- (410) 257-1600 wilson05@comcast.net	NSF 245	Mean % Reduction of TN: 66% Mean Effluent Concentration: 20.3 mg/l Data & Analysis
Hoot® BNR	Manufacturer Hoot Aerobic Systems, Inc. www.hootsystems.com Local Distributor Mayer Bros. Nancy Mayer- (410) 796-1434 nancy@mayerprecast.com	Other 3rd Party	Mean % Reduction of TN: 64% Mean Effluent Concentration: 21.4 mg/l Data & Analysis
RetroFAST	Manufacturer Bio-Microbics, Inc. http://www.biomicrobics.com Local Distributors Eastern Region Gillespie & Sons, Inc. Jim Gillespie- (410) 778-0900 jim@gillespieandson.com Central Region Bay Area Environmental Don Jones - (410) 836-9206 manager@jonespumpservice.com	ETV	Mean % Reduction of TN: 58% Mean Effluent Concentration: 25.4 mg/l Data & Analysis Limited to households of 1 to 4 occupants and 3 bedroom or less

Singulair TNT & Singulair Green (plastic tank)	Manufacturer Norweco, Inc. www.norweco.com Local Distributors Eastern Shore Towers Concrete Products Jeffrey Powell (800) 773-9128 btowers62@gmail.com Southern Region Superior Tank Jeff Earnshaw- (301) 274-3772 superiortanknorweco@gmail.com Western Region C.R. Semler Charlie Semler- (301) 824-2780 crsemler@crsemler.com Western Region Garrett & Allegany Co. Pile's Concrete Products Co. Inc. Brett Zimmerman (814)445-6619 brett_zimmerman@hotmail.com Central Region Back River Pre-Cast LLC Matt Geckle- (410) 833-3394	Other 3rd Party and NSF 245	Mean % Reduction of TN: 55% Mean Effluent Concentration: 27 mg/l Data & Analysis
AquaKlear	Manufacturer AquaKlear http://www.aquaklear.net/ Local Distributor Care Utilities Dave Care (410) 977-3453 careless32@comcast.net	Other 3rd Party and NSF 245	Mean % Reduction of TN: 54% Mean Effluent Concentration: 27.5 mg/l Data & Analysis

Certified BAT Service Providers

AquaKlear Model:

Statewide:	BayStar Precast Corp.	410-977-3453
	Dwayne C Jones Contracting Inc	410-836-9206
Southern MD:	Outback Porta Jon	410-257-1600

Bio-Microbics Micro and Retro FAST Models:

Statewide:	BAT Onsite LLC	301-829-9047
	Dwayne C Jones Contracting Inc	410-836-9206
	Hydro-Terra Group	410-861-5376
	Raymond Harrison Septic Services	410-778-4806
	Tri-County Water	610-857-1740
Eastern Shore:	AJ Development LLC	302-604-8946
	Livingston Septic Service	410-745-2711
Southern MD:	Spek Septics	240-925-0085

Fuji Clean CEN-Series Models:

Statewide:	Bay Area Environmental	410-836-9206
	Tri-County Water	610-857-1740
Southern MD:	Spek Septics	240-925-0085

Hoot BNR and ANR Models:

Statewide:	BAT Onsite LLC	301-829-9047
	O.S.I.S. LLC	443-883-1951
Eastern Shore:	Raymond Harrison Septic Services	410-778-4806
Central MD:	Chavis Enterprises LLC	410-557-2455
	Fogle's Septic Clean, Inc	410-795-5670
	Raymond Harrison Septic Services	410-778-4806
Western & Southern MD:	O.S.I.S. LLC	443-883-1951

Hydro-Action AN Series Model:

Statewide:	O.S.I.S. LLC	443-883-1951
	Outback Porta Jon	410-257-1600
	Sample Excavating Co Inc	443-807-8639

Orenco Advantex AX20 and RT Models:

Statewide:	Atlantic Solutions	877-214-9283
	BAT Onsite	301-829-9047
	Tri-County Water	610-857-1740
Eastern Shore:	Raymond Harrison Septic Services	410-778-4806
Western MD:	BYOC Enterprises	301-245-4322
Southern MD:	Outback Porta Jon	410-257-1600

SeptiTech M400 Models:

Statewide:	BAT Onsite	301-829-9047
Eastern Shore:	Raymond Harrison Septic Services	410-778-4806
Central MD:	C6 Environmental	410-776-4971
	Chavis Enterprises LLC	410-557-2455
	Dwayne C Jones Contracting Inc	410-836-9206
	Raymond Harrison Septic Services	410-778-4806
Western & Southern MD:	Dwayne C Jones Contracting Inc	410-836-9206
Southern MD:	Spek Septics	240-925-0085

Norweco Singulair TNT & Green Models:

Statewide:	BAT Onsite	301-829-9047
	Tri-County Water	610-857-1740
Eastern Shore:	Jones Site Work	443-783-0121
	Raymond Harrison Septic Service	410-778-4806
	Smiley's Septic Services	410-739-6635
	Smith Environmental LLC	410-251-2727
	Towers Concrete Products Inc	410-479-0914
Central MD:	C6 Environmental	410-776-4971
	C&L Excavating LLC (443) 640-6011	410-365-5032
	Chavis Enterprises LLC	410-557-2455
	Dwayne C Jones Contracting Inc	410-836-9206
	Earl E. Preston Jr. Inc	410-557-8100
	Freedom Septic	410-795-2947
	Hatfields Equipment Inc	301-490-4289
	Legacy Septic & Excavation	410-840-8766
	Michael Septic Service	410-833-0108
	Pickles Service	301-514-7938
	Sams Creek	443-821-4932
	Simon's Backhoe	301-418-5880
	Westminster Septic Service	410-775-8890
Western MD:	Blue Ridge Environmental LLC	304-290-6972
	BYOC Enterprises	301-245-4322
	C.R. Semler	301-416-0414
	Piles Concrete Products Co Inc	814-445-6619
	Sams Creek	443-821-4932
Southern MD:	C.L. Boswell Jr Septic	301-645-9549
	Cullison Excavating	301-994-1616
	SOMD Septic	443-532-8609
	Spek Septic	240-925-0085
	Superior Septic Tank	301-274-3772
	Wayne's Drains & Backhoe Service	301-884-5592

If you have a unit not included on this list, or you do not know which type of unit you have, please contact the MDE On-site Systems Division for more information at 410-537-3599.

BAY RESTORATION FUND RANKING DOCUMENTATION February 9, 2026

VENDOR IN ASCENDING ORDER	COST OF PURCHASE, INSTALLATION AND 2 YEAR OPERATION MAINTENANCE	VERIFIED BY
BioMicrobics RetroFast**	\$19,055	Vendor
Norweco Singulair TNT	\$19,146	Vendor
Fuji Clean CEN 5	\$19,650	Vendor
AquaKlear AK6S245	\$19,700	Vendor
Norweco Singulair Green	\$21,466	Vendor
Fuji Clean CEN 7	\$21,975	Vendor
Hoot BNR	\$25,161	Vendor
SeptiTech M400D	\$26,500	Vendor
Hydro Action AN series	\$26,733	Vendor
AdvanTex AX20	\$27,692	Vendor
Advantex AX20RT	\$31,512	Vendor

All prices are Estimate Averages across Maryland and subject to change per county, contact Manufacturer.
The BRF Program no longer funds the non field verified systems for installation.
Price does not include electrical costs per year.

** RetroFast unit limited to households of 1-4 occupants with 3 bedrooms or less. Price includes use of new tank. For use of existing tank, manufacturer must certify tank suitable and watertight.

VENDOR IN ASCENDING ORDER	PRICE PER POUND OF N REDUCED	VERIFIED BY
Fuji Clean CEN 5	\$110.18	MDE
Fuji Clean CEN 7	\$124.96	MDE
AquaKlear AK6S245	\$155.01	MDE
BioMicrobics RetroFast**	\$156.95	MDE
Norweco Singulair TNT	\$159.25	MDE
Advantex AX20	\$163.05	MDE
Hoot BNR	\$172.48	MDE
Advantex AX20RT	\$172.99	MDE
Norweco Singulair Green	\$176.59	MDE
Hydro Action AN series	\$176.61	MDE
SeptiTech M400D	\$186.14	MDE

Price per pound of N reduced equals (((Price of technology plus (increased electrical costs multiplied by Ten))divided by Ten) divided by (24.32 lbs of N per year multiplied by percent reduction of N by system)

As the data for non field verified systems is incomplete, MDE has classified the % reduction of TN and the Price per Pound of N Reduced for non field verified systems as Deliberative Data.

** RetroFast unit limited to households of 1-4 occupants with 3 bedrooms or less.

VENDOR IN ASCENDING ORDER	1 YEAR ELECTRICAL CONSUMPTION (represented as kWh/year)	INCREASED ELECTRICAL COSTS PER YEAR ASSUMING \$0.22 PER kWh	VERIFIED BY
Advantex AX20RT	210.2 kWh/year	\$46.24	OSET NTP
AdvanTex AX20	210.2 kWh/year	\$46.24	OSET NTP
AquaKlear AK6S245	298.7 kWh/ year	\$65.71	Vendor
Fuji Clean CEN 5	446.7 kWh/year	\$98.27	Manufacturer
Fuji Clean CEN 7	648.2 kWh/year	\$142.60	Manufacturer
Hydro Action AN series	734.26 kWh/year	\$161.54	Pump Manufacturer
Hoot BNR	765.77 kWh/ year	\$168.47	NSF International
Singulair TNT	979.66 kWh/ year	\$215.53	NAT Testing Lab
Singulair Green	979.66 kWh/year	\$215.53	NAT Testing Lab
BioMicrobics RetroFast**	1401.6 kWh/year	\$308.35	Pump Manufacturer
SeptiTech M400D	1741.05 kWh/year	\$383.03	Vendor

\$0.22 is an assumed average kWh/h rate for Maryland 2026.

** RetroFast unit limited to households of 1-4 occupants with 3 bedrooms or less.

HydroAction utilizes a mixer pump during start up. Pump use is discontinued after start up. Usage data will vary after start-up period.

VENDOR IN DESCENDING ORDER	MEAN % REDUCTION TN (Using 60mg/L Influent)	MEAN EFFLUENT CONCENTRATION	VERIFIED BY
Fuji Clean CEN 5	77%	14.1 mg/L	MDE
Fuji Clean CEN 7	77%	14.1 mg/L	MDE
Advantex AX20RT	76%	14.5 mg/L	MDE
AdvanTex AX20	71%	17 mg/L	MDE
SeptiTech M400D	67%	20 mg/L	MDE
Hydro Action AN series	66%	20.3 mg/L	MDE
Hoot BNR	64%	21 mg/L	MDE
BioMicrobics RetroFast**	58%	25.4 mg/L	MDE
Singulair Green	55%	27 mg/L	MDE
Singulair TNT	55%	27 mg/L	MDE
AquaKlear AK6S245	54%	27.5 mg/L	MDE

As the data for non-field verified systems is incomplete, MDE has classified the % reduction of TN and the Price per Pound of N Reduced for non-field verified systems as Deliberative Data.

** RetroFast unit limited to households of 1-4 occupants with 3 bedrooms or less.

VENDOR IN ASCENDING ORDER	OPERATION AND MAINTENANCE PER YEAR AFTER THE 2 YEAR CONTRACT	MINIMUM NUMBER OF SITE VISITS PER YEAR*	VERIFIED BY
Fuji Clean CEN 5	\$200.00	2	Vendor
Fuji Clean CEN 7	\$200.00	2	Vendor
AdvanTex AX20	\$250.00	1	Vendor
Advantex AX20RT	\$250.00	1	Vendor
BioMicrobics RetroFast	\$250.00	1	Vendor
Singulair Green	\$300.00	2	Vendor
SeptiTech M400D	\$300.00	1	Vendor
Singulair TNT	\$337.00	2	Vendor
AquaKlear AK6S245	\$350.00	1	Vendor
Hydro Action AN series	\$355.00	1	Vendor
Hoot BNR	\$357.00	1	Vendor

All prices are estimates and based on the 2-yr O&M BAT bid submitted to the State. Some prices have been rounded.

Prices are subject to change and may vary based on location. Contact manufacturer for O&M price details.

* Based off manufacturer-required service visits per year

Additional Charges may apply with certain manufacturers. It is the responsibility of the homeowner to contact the manufacturer for precise details of contract.

For a list of vendors visit:
https://mde.maryland.gov/programs/Water/BayRestorationFund/OnsiteDisposalSystems/Documents/BAT_CLASS_1.pdf

Before selecting a technology for use on the property in question, please contact each vendor to verify the information is current and accurate. MDE is only a facilitator in presenting this information in accordance with HB347. MDE strongly advises that the applicant contact the vendor directly for more information.

Please contact the county Environmental Health Division for specific process on submitting an application
For a list of county contact information, 410-537-3599

Please contact the Maryland Department of the Environment for specific questions regarding becoming a Best Available Technology in Maryland.
For MDE contact information, 410-537-3599

RED Font = Technologies that have successfully completed Maryland's Bay Restoration Fund Field Verification process.