



**Worcester County**  
**Department of Environmental Programs**  
**One W. Market Street, Room 1306**  
**Snow Hill, Maryland 21863**  
 410-632-1220 Phone  
 410-632-2012 Fax

**Bay Restoration Fund- Onsite Sewage Disposal System (OSDS)**  
 Application for Financial Assistance

**General Information:** Individual forms must be completed for each proposed project for which MDE grant funds are being requested.

**Applicant Name:** \_\_\_\_\_  
 The applicant's name (above) must match the (property) tax assessment office information.

**Mailing Address:** \_\_\_\_\_  
 \_\_\_\_\_

**Applicant Phone No:** \_\_\_\_\_ **email:** \_\_\_\_\_  
**Project Street Address:** \_\_\_\_\_

**Project Location:** Tax ID# \_\_\_\_\_ Tax Map # \_\_\_\_\_ Parcel # \_\_\_\_\_ Section # \_\_\_\_\_ Block \_\_\_\_\_ Lot \_\_\_\_\_

**Contact Person/Title** \_\_\_\_\_

**Contact Mailing Address** \_\_\_\_\_

**Contact Phone No.** \_\_\_\_\_ **email:** \_\_\_\_\_

**Facility Type:** Individual Residential - Yes / No Other: \_\_\_\_\_

**Dwelling Use/Features:** (Check all that apply)  
 Full-time Principal Residence     New Construction     Renovation     No Alteration  
 Seasonal/weekend use     Rental    \_\_\_\_\_ Number of Bedrooms  
 Water Softener     Working Electric     Working Plumbing

**Prioritization Factors:** Current Septic Tank is:     Metal     Concrete     Unknown or Other     N/A-New Home  
 Project is a new system     an upgrade     a repair of an existing failing system  
 Project involves connection to public sewer:     Yes     No  
 Yes     No: This property is located within the Chesapeake Bay Critical Areas  
 Yes     No     Not Sure: This property is located within the Coastal Bays Critical Areas  
 Yes     No     Not Sure: This property is located within a Priority Funding Area (PFA)

**Taxable Income**

Level of Grant Funding	Household Income From	Household Income To
100%	\$0	\$300,000
50%	\$300,001	\$Unlimited

\*\*\*If project grant application is for new construction, the above level of grant funding eligibility applies minus \$1,200 for tank.\*\*\*

**\*\*\*A copy of the front page of your latest Federal Income Tax Return must accompany this application. It is preferred that you redact certain information such as SSN#. We just examine name(s), addresses and the income.\*\*\***

**Property owners with incomes less than \$300,000 and non-profit entities may receive up to 100% of the grant. (Federal tax return, Line 22, total income on 2020 Form 1040) Property owners with an income in excess of \$300,000 and businesses (Inc., Corp., LLC's) may receive 50% of the grant.**

**Owners Statement**

I grant permission for the Department personnel to enter my property to perform necessary field work, inspections, etc. and indemnify the Department from any claims arising there from. I understand that 1) I am applying to participate in a program to investigate the use of pre-treatment technology (BAT system) and that I have received and will thoroughly review the ranking and evaluation document for Class I BAT systems; 2) I must properly maintain the pre-treatment unit once it is installed; 3) this program and any associated financial assistance applies to the cost of installation, inspection, 2 years of maintenance, and the costs associated only with the BAT components of the sewage system; all other expenses (i.e. drain fields, pump systems, electrical upgrades, grading, ect.) are the responsibility of the property owner; 4) the Department's approval of a pre-treatment unit does not imply a guarantee; 5) that completion of this application does not imply approval or availability of funds to the applicant; 6) I must choose a BAT system technology as well as a signed BAT Agreement prior to being awarded the grant. The Agreement must be recorded in the land records of Worcester County; and 7) that after the initial two-year grant-funded service contract has expired, it shall be the responsibility of the property owner to obtain an annual operation and maintenance contract and ensure that service is conducted at least once per year.

**Property Owner Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

<p><b>Office Use Only:</b> Date received: _____ Watershed _____ Staff + Visit Date: _____ Building Permit No.(If applicable) _____</p> <p>Need to Submit Exemption Request to Smart Growth Coordinating Committee for Sewer Connection: <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Technology Selected for BAT(unit picked): _____</p>
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APPLICATION INSTRUCTIONS FOR THE BAY RESTORATION FUND GRANT  
WORCESTER COUNTY

The following are instructions for completing the “**Bay Restoration Fund - Onsite Sewage Disposal System (OSDS) Application for Financial Assistance**” form. The information below corresponds to the items listed on the application:

- Applicant Name:** Last name and first name of the legal owner of the property. Use the name listed on the tax records.
- Mailing Address:** Provide the property owners mailing address: street, city, state and zip code.
- Applicant Phone:** The best phone number to contact the owner or applicant.
- Project Address:** Street or Premise address as indicated on the tax records; include street address number, city, state and zip code.
- Project Location:** Provide the tax identification number (it will begin with 01, 02, 0r 03). Provide the Tax Map number; parcel number; section and lot number(s) (if applicable).
- Contact Person:** Person to contact - if it's the same as the applicant, please indicate.
- Facility Type:** If the house is a single family house, indicate yes. If not, please explain if the house is a multi-family or apartment, condominium, business, etc.
- Dwelling Use:** Is the house your primary residence? Is it occupied full-time or used primarily on the weekend or for short terms (summer, weekend etc)? This will be confirmed with tax record information. Is this application for a new proposed house or one currently under construction (New Construction) or is the house being renovated? If there is no new construction (new or renovation), check **No Alteration**. Indicate the number of bedrooms and if the house is a rental (full-time or seasonal), please check **Rental**.
- Prioritization:** The grant requires that properties be prioritized based on location and the need to be upgraded. Please note the type of current septic tank (if known): metal, concrete or other. If the application is for a new home system, check off N/A New Home. Check if this will be an **upgrade** of an older existing system, or a **repair or replacement** of a **failing or failed system**. Check the box that will allow us access on to your property so it can be inspected.
- Signature:** Finally, the property owner or designated contact must sign and return the form. This will be the first step in being considered for the grant.

Sign & Mail the Application to:

**Worcester County Department of Environmental Programs  
Attn: Robert Mitchell, Director  
Governmental Center  
One W. Market Street, Room 1306  
Snow Hill, Maryland 21863**

After the application has been received, Environmental Programs staff will visit your property and can inspect and verify conditions. That information will be used for bidding your property during the Request for Proposal process. Not all properties can be funded. Submitting an application does not ensure or guarantee that your property will be awarded the grant. The program is highly competitive and has limited funds.

**Funding for this project is provided through a grant from the Maryland Department of the Environment/Water Management Administration and the Bay Restoration Fund**

## BAY RESTORATION FUND RANKING DOCUMENTATION July 1, 2019

VENDOR IN ASCENDING ORDER	COST OF PURCHASE, INSTALLATION AND 2 YEAR OPERATION MAINTENANCE	VERIFIED BY
Singulair TNT	\$11,337	Vendor
Singulair Green	\$11,337	Vendor
AquaKlear AK6S245	\$12,016	Vendor
BioMicrobics RetroFast**	\$12,688	Vendor
Fuji Clean CEN 5	\$13,516	Vendor
Hydro Action AN series	\$14,303	Vendor
Hoot BNR	\$14,518	Vendor
Fuji Clean CEN 7	\$15,010	Vendor
SeptiTech M400D	\$15,211	Vendor
AdvanTex AX20	\$16,083	Vendor
Advantex AX20RT	\$17,414	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 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	PRICE PER POUND OF N REDUCED	VERIFIED BY
Fuji Clean CEN 5	\$75.52	MDE
Fuji Clean CEN 7	\$85.00	MDE
AquaKlear AK6S245	\$94.68	MDE
AdvanTex AX20	\$94.84	MDE
Singulair TNT	\$95.01	MDE
Singulair Green	\$95.01	MDE
Hydro Action AN series	\$95.51	MDE
Advantex AX20RT	\$95.81	MDE
Hoot BNR	\$100.16	MDE
BioMicrobics RetroFast**	\$103.86	MDE
SeptiTech M400D	\$108.31	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	OPERATION AND MAINTENANCE PER YEAR AFTER THE 2 YEAR CONTRACT	MINIMUM NUMBER OF SITE VISITS PER YEAR*	VERIFIED BY
AdvanTex AX20	\$175.00	1	Vendor
Advantex AX20RT	\$175.00	2	Vendor
Fuji Clean CEN 5	\$185.00	2	Vendor
Fuji Clean CEN 7	\$185.00	2	Vendor
AquaKlear AK6S245	\$250.00	1	Vendor
BioMicrobics RetroFast**	\$275.00	1	Vendor
SeptiTech M400D	\$275.00	1	Vendor
Hoot BNR	\$300.00	1	Vendor
Singulair TNT	\$300.00	2	Vendor
Singulair Green	\$300.00	2	Vendor
Hydro Action AN series	\$300.00	2	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.

VENDOR IN ASCENDING ORDER	1 YEAR ELECTRICAL CONSUMPTION (represented as kWh/year)	INCREASED ELECTRICAL COSTS PER YEAR ASSUMING \$0.14 PER kWh	VERIFIED BY
Advantex AX20RT	210.2 kWh/year	\$29.43	OSET NTP
AdvanTex AX20	210.2 kWh/year	\$29.43	OSET NTP
AquaKlear AK6S245	298.7 kWh/ year	\$41.82	Vendor
Fuji Clean CEN 5	446.7 kWh/year	\$62.54	Manufacturer
Fuji Clean CEN 7	648.2 kWh/year	\$90.75	Manufacturer
Hydro Action AN series	734.26 kWh/year	\$102.80	Pump Manufacturer
Hoot BNR	765.77 kWh/ year	\$107.21	NSF International
Singulair TNT	979.66 kWh/ year	\$137.15	NAT Testing Lab
Singulair Green	979.66 kWh/year	\$137.15	NAT Testing Lab
BioMicrobics RetroFast**	1401.6 kWh/year	\$196.22	Pump Manufacturer
SeptiTech M400D	1741.05 kWh/year	\$243.75	Vendor

\$0.14 is an assumed average kW/h rate for Maryland 2019.  
 \*\* 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.

For a list of vendors visit:  
[https://mde.maryland.gov/programs/Water/BayRestorationFund/OnsiteDisposalSystems/Documents/BAT\\_CLASS\\_1.pdf](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](tel: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](tel:410-537-3599)  
**RED Font = Technologies that have successfully completed Maryland's Bay Restoration Fund Field Verification process.**