

Watershed Protection and Restoration Program Annual Report Table

Article 4-202.1(i)(4): "The percentage and amount of funds in the local watershed protection and restoration fund spent on each of the purposes provided in subsection (h)(4) of this section;"

Program Element	Cost	Percent of WPRF
Capital Improvements for Stormwater Management	\$2,146,031.00	39.41%
O & M of SWM Systems and Facilities	\$1,297,484.45	23.83%
Public Education and Outreach	\$85,974.19	1.58%
Stormwater Management Planning (see Md. Environment Code Ann. § 4-202.1(h)(4)(iv))	\$1,800,672.35	33.06%
Review of Stormwater Management Plans and Permit Applications for New Development	\$0.00	0.00%
Grants to Nonprofit Organizations	\$70,190.01	1.29%
Adminstration of WPRF	\$45,539.00	0.84%
TOTAL	\$5,445,891.00	100.00%
Number of Properties Subject to Fee	50,713	
Reporting Year	Fiscal Year 2021	
Permit Number	11-DP-3322	
Comments:		

Jurisdiction	Agency	Local Ordinance Submitted to MDE	MDE Approval of Fee Reduction Policy	Fee Reduction Amount	Rate Structures for Fiscal Year 2021						Additional Sources of Funds			Estimated Annual Revenue		
					Annual Single Family Residential Rate	Annual Commercial Rate	Equivalent Residential Unit (ERU) Impervious	Commercial Capped Rates	Non-profits, Religious Organizations	Exemptions	Federal Facilities Status	Federal Facility Fee(s)/Rate(s)	Additional Source 1		Additional Source 2	Additional Source 3
Charles County	Charles County Government	Yes	4/2/2014	50% reduction of fee for properties that meet or exceed the 2000 MD Stormwater Design Manual; or covered by an approved Soil Conservation & Water Quality Plan or Forest Management Plan.	\$92	\$92	N/A	N/A	\$92	Exempt properties are: owned by federal, state, county or municipal government; within a municipality if has a stormwater fee; owned by a disabled veteran; with no impervious surface; subject to an industrial stormwater permit; or owned by person(s) demonstrating financial hardship.	Exempt	N/A	Miscellaneous: includes interest and stormwater facility maintenance fees.	N/A	N/A	
Directions:		Use: Yes or No	Use the approval date or N/A	Reduction amount(s), if any, with reason for reduction(s)	Use: N/A, amount of flate rate, rate amount per ERU, etc.				General description of exemption(s), if any		Use: No Facilities, Exempt, or Charged	Use: N/A or the fee and rate structures for federal facilities				

Notes:

ERU = Equivalent residential unit

Article 4-202.1(i)(3): "The amount of money deposited into the watershed protection and restoration fund in the previous fiscal year by source;"

Source	Amount
Annual Single Family Residential Fees Collected	\$ 4,714,488.00
Additional Source 1 - General Fund Subsidy	\$ 300,000.00
Additional Source 2 - Lot Recordation Fees	\$ -
Additional Source 3 - Miscellaneous	\$ 15,550.00
	\$ 5,030,038.00

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All SWM Projects Implemented in Fiscal Year 2020 for the Impervious Surface Restoration Requirement

REST BMP ID	REST BMP TYPE ¹	BMP CLASS ²	NUM BMP	IMP ACRES ³	BUILT DATE	IMPL COST	IMPL STATUS	IMPL COMP YR	NOTES
Storm Drain Vacuuming ⁴	SDV	A	123	40.23	6/30/2021	\$121,785	Complete	2021	Roads Division - Inlet Program
Septic Pump-Out	SEPP	A	1,627	32.54	6/30/2021	\$254,648	Complete	2021	Septic Pumping Rebate Cost
Septic Denitrification	SEPD	A	14	2.24	6/30/2021	\$157,003	Complete	2021	BRF Grant Funding through Health Dept.
Private Septic Connection	SEPC	A	3	0.69	6/30/2021	\$37,686	Complete	2021	BRF Grant Funding through Health Dept.
CH18ALN000004	SHST	A	1	82.16	7/1/2020	\$1,432,670	Complete	2021	Clifton Shoreline Stabilization Phase 1
CH20ALN000027	SHST	A	1	92.72	7/1/2020	\$1,616,710	Complete	2021	Clifton Shoreline Stabilization Phase 2
CH19RST000006	PPKT	S	1	3.61	7/6/2020	\$95,000	Complete	2021	Cedar Tree Pond Retrofit
CH19RST000005	PWET	S	1	12.66	5/27/2021	\$286,000	Complete	2021	Best Buy Wetpond Expansion
CH16RST000014	BIO	E	1	2.07	9/15/2020	\$252,450	Complete	2021	General Smallwood Middle School Bioretention
CH17RST000067	BIO	E	1	2.57	9/15/2020	\$252,450	Complete	2021	General Smallwood Middle School Bioretention
CH17RST000062	ODSW	S	1	1.15	11/23/2020	\$78,461	Complete	2021	Bensville Park Dry Swale with 2 Check Dams
CH17RST000002	ODSW	S	1	1.69	11/23/2020	\$145,713	Complete	2021	Bensville Park Dry Swale
CH17RST000063	FSND	S	1	3.33	11/23/2020	\$116,083	Complete	2021	Bensville Park Sand Filter
CH17APY000456	FPU	A	1	1.76	11/23/2020	\$88,795	Complete	2021	Bensville Reforestation

279.42

\$4,935,453.59

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¹ See attached list of Restoration BMP Type Codes.

² BMP CLASSES are: A - Alternative BMP, E - Environmental Site Design, or S - Structural BMP.

³ IMP ACRES per MDE guide "Accounting for Stormwater Wasteload Allocations & Imp Acres Treated, Guidance for NPDES Stormwater Permits" (2021).

⁴ SDV total FY21 tons is 319.2 tons equating to 54.2 EQUIV IMP ACRES, however maintenance of existing practices is 40.23 acres using pre-2021 Guidance. To exceed maintenance level requires Standard Operating Procedure per new Guidance for NPDES Stormwater Permits (2021).

Attachment: Restoration BMP Type Codes

Code	Code Description
AGRE	Green Roof - Extensive
AGRI	Green Roof - Intensive
APRP	Permeable Pavements
ARTF	Reinforced Turf
BRCT	Bio-Reactor Carbon Filter
DID	Disconnection of Illicit Discharges
EDU	Education
FBIO	Bioretention
FORG	Organic Filter (Peat Filter)
FPER	Perimeter (Sand) Filter
FPRES	Floodplain Restoration
FSND	Sand Filter
FUND	Underground Filter
IBAS	Infiltration Basin
ITRN	Infiltration Trench
MENF	Enhanced Filters
MIBR	Infiltration Berms
MIDW	Dry Well
MILS	Landscape Infiltration
MMBR	Micro-Bioretention
MRNG	Rain Gardens
MRWH	Rainwater Harvesting
MSGW	Submerged Gravel Wetlands
MSWB	Bio-Swale
MSWG	Grass Swale
MSWW	Wet Swale
NDNR	Disconnection of Non-Rooftop Runoff
NDRR	Disconnection of Rooftop Runoff
NSCA	Sheetflow to Conservation Areas
ODSW	Dry Swale
PET	Pet Waste Management
PMED	Micropool Extended Detention Pond
PMPS	Multiple Pond System

Code	Code Description
PPKT	Pocket Pond
PWED	Extended Detention Structure, Wet
PWET	Retention Pond (Wet Pond)
RBS	River Bank Stabilization
SPSC	Step Pool Storm Conveyance
SUB	Sub-Soiling
TRA	Trash Removal
WEDW	Extended Detention - Wetland
WPKT	Pocket Wetland
WPWS	Wet Pond - Wetland
WSHW	Shallow Marsh
XDED	Extended Detention Structure, Dry
XDPD	Detention Structure (Dry Pond)
XFLD	Flood Management Area
XOGS	Oil Grit Separator
OTH	Other

Code	Code Description
OUT	Outfall Stabilization
SHST	Shoreline Stabilization
STRE	Stream Restoration
SEPC	Septic Connection to WWTP
SEPD	Septic Denitrification
SEPP	Septic Pumping
CBC	Catch Basin Cleaning
IMPF	Impervious Surface Elimination (to Forest)
IMPP	Impervious Surface Elimination (to Pervious)
MSS	Mechanical Street Sweeping
FPU	Planting Trees or Forestation on Previous Urban
VSS	Regenerative/Vacuum Street Sweeping
SDV	Storm Drain Vacuuming

*Codes and descriptions from *MDE NPDES MS4, Geodatabase Design and User's Guide, May 2017*