

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	\$1,097,897.00	36.10%
O & M of SWM Systems and Facilities	\$834,191.09	27.43%
Public Education and Outreach	\$46,678.96	1.53%
Stormwater Management Planning (see Md. Environment Code Ann. § 4-202.1(h)(4)(iv))	\$984,325.44	32.37%
Review of Stormwater Management Plans and Permit Applications for New Development	\$0.00	0.00%
Grants to Nonprofit Organizations	\$64,032.50	2.11%
Adminstration of WPRF	\$13,900.00	0.46%
TOTAL	\$3,041,025.00	100.00%
Number of Properties Subject to Fee	50,302	
Reporting Year	Fiscal Year 2018	
Permit Number	11-DP-3322	
Comments:		

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	\$ 2,831,120.00
Additional Source 1 - General Fund Subsidy	\$ -
Additional Source 2 - Lot Recordation Fees	\$ 72,700.00
Additional Source 3 - Miscellaneous	\$ 8,556.55
	\$ 2,912,376.55

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All SWM Projects Implemented in Fiscal Year 2018 for the 20% Restoration Requirement

REST BMP ID	REST BMP TYPE	BMP CLASS	NUM BMP	IMP ACRES	BUILT DATE	IMPL COST	IMPL STATUS	IMPL COMP YR
Mechanical Street Sweeping	MSS	A	1	66.8	6/30/2018	\$100,632	Complete	2018
Storm Drain Vacuuming	SDV	A	170	11.8	6/30/2018	\$90,359	Complete	2018
Septic Pump-Out	SEPP	A	711	21.33	6/30/2018	\$91,822	Complete	2018
Septic Denitrification	SEPD	A	36	9.36	6/30/2018	\$0	Complete	2018
Step pools	SPSC	S	1	49.22	8/4/2017	\$1,608,703	Complete	2018
Gravel Wetland	MSGW	S	1	15.2	8/15/2017	\$1,068,248	Complete	2018
Wet Pond	PWED	S	1	1.68	9/12/2017	\$49,909.00	Complete	2018
Grass Swales	MSWG	E	21	20.44	9/12/2017	\$663,074.00	Complete	2018
Storm Drain Vacuuming	SDV	A	1	94	10/10/2017	\$1,030,780.00	Complete	2018
				289.83		\$4,703,527.00		

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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" (Aug 2014).

⁴ When multiple capital projects under one budget, multiply total cost by percent acres treated for each project.

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
GMB	Grass/Meadow Buffers
FB	Forest Buffers
VSS	Regenerative/Vacuum Street Sweeping
SDV	Storm Drain Vacuuming

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