

Anne Arundel County Financial Assurance Plan to Meet the Requirements of the NPDES Municipal Separate Storm Sewer System (MS4) Permit

September 15, 2026

Executive Summary

Introduction

Anne Arundel County's NPDES MS4 permit, issued November 5, 2021, requires that the County complete restoration efforts to achieve the equivalent of treating 2,998 acres of impervious surfaces not previously restored to the maximum extent practicable. In addition, the County must continue the same level of programmatic implementation for its annual alternative control practices, equivalent to 199 acres of impervious surface restored, to maintain compliance with the prior MS4 permit's restoration requirement.

The submission of Anne Arundel County's Financial Assurance Plan (FAP), as well as the submission of the Bureau of Watershed Protection and Restoration (BWPR) annual report, is required for compliance with Maryland Environment Article §4-202.1. The attached FAP is submitted to show that the County has the financial means to achieve the permit requirements. This FAP addresses the activities completed by the County's BWPR from FY22 through FY26, and the planned and programmed activities from FY27 through FY31.

The completion and submission of the FAP is required every two years. This, the second FAP under the County's new MS4 permit, is to be submitted on or before the November 5, 2026 due date, based upon the MS4 permit issuance date. A copy of this FAP will also be submitted as an appendix to the MS4 permit annual progress report on or before December 31, 2026.

According to the requirements for completing the attached FAP, all restoration activities completed by June 30, 2026 are classified as completed and their actual costs are reported. These activities include a variety of projects with a variety of funding sources, as described below.

- CIP projects from the BWPR class that were completed from FY22 through FY26 were funded by WPRF bonds. Additionally, supplemental funding was provided for various projects through grants and a select number of shoreline stabilization projects were funded through general fund County bonds.
- Street sweeping and inlet cleaning were funded out of the BWPR operating budget.

Other restoration actions include septic system connections to water reclamation facilities (WRFs), septic system upgrades to denitrification systems, and restoration projects completed by non-governmental organizations (NGOs). Septic system connections to WRFs and septic system upgrades to denitrification systems are funded through Bay Restoration Fund (BRF) grants. Funding for restoration projects completed by NGOs include both County WPRF funds made available through the ongoing BWPR grant program, and grant funding to the NGOs from other

entities resulting in no cost to the County. Private individuals or communities also funded restoration projects. Comments are included in the FAP to denote the funding sources for completed projects where the implementation costs are noted as \$0.

Projections are also made for planned projects that will be completed by June 30, 2031 (end of FY31). Planned projects not completed by June 30, 2026 are classified as either under construction or planning. Projects considered “under construction” were in the construction phase as of the end of FY26, and are anticipated to be complete at the end of FY27. “Planning” are those activities where a design contract has been issued by June 30, 2026, but may also include some projects that have been identified by County project managers but for which design work has not been initiated. Projections are also included for the ongoing operating activities and other restoration actions, as well as septic pumping performed by local contractors. Septic pumping can provide credit for the County and requires no general fund or WPRF fund expenditures.

Included in the FAP are cost and revenue information. Costs identified include the operating costs for the BWPR, debt service on WPRF bonds, and the County’s BWPR grant program to fund restoration projects completed by NGOs for which the County takes equivalent impervious treatment credit. Actual costs are reported for FY22 through FY26, and budgeted costs are included for FY27 through FY31. These budgeted costs were obtained from the County Budget Office’s WPRF Affordability Model and Capital Budget Program.

Sources of Funds to Meet the MS4:

A variety of funding sources (revenue) are recognized in this FAP. WPRF revenues include actual stormwater fee revenue amounts for FY22 through FY26, and projected revenues for FY27 through FY31. These revenue projections assume a 3% annual stormwater fee increase in FY28, a 5% annual stormwater fee increase for FY29 through FY31, and an adjustment for a 1% annual increase in ERU due to development.

Grant sources include State-funded grants for CIP restoration projects (e.g., MD DNR Chesapeake Bay Trust Fund) as well as BRF grants. BWPR is actively pursuing additional grant opportunities for future projects, and it is anticipated that the use of grant funds will allow for the implementation of CIP restoration projects that are not currently included as part of this FAP.

The attached FAP indicates that approximately 3,627 acres, or 121%, of the County’s restoration will be completed by the end of FY27, one year beyond the end of the current NPDES MS4 permit term. The restoration completed in an apparent exceedance of the County’s goal is primarily due to planning already underway for restoration activities that extend beyond the current permit term.

Projected Annual and 5-Year Costs and Revenues to Meet the MS4:

Total program projected restoration and MS4 compliance activity costs through FY27 are \$324 million, and \$343 million in revenue is expected, which demonstrates that the funding sources enumerated in the FAP are adequate to meet the permit requirements, treating approximately 3,627 impervious acres, which is estimated to be sufficient to cover the restoration requirements of the current MS4 permit and beyond.

MS4 Information	
Jurisdiction	Anne Arundel
Contact Name	Erik Michelsen
Phone	410-222-7520
Address	2662 Riva Road
City	Annapolis
State	MD
Zip	21401
Email	pwmich20@aacounty.org
Continued Annual Alternative Impervious Surface Restoration (ISR) acres	199.00
Required ISR in Permit (acres)	2998.00
Permit Number	20-DP-331 (MD0068306)
Permit Term Fiscal Years (FY)	2022-2027
Reporting FY	2026

Note:

Continued annual alternative ISR and required ISR new permit should match MS4 Permit condition Part IV.E. Stormwater Restoration.

Version 6-30-26

Article 4-202.1(j)(1)(i)5: Specific actions and expenditures that the county or municipality implemented in the previous fiscal years to meet its impervious surface restoration plan requirements under its National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System Permit.

BMP ID or NAME ¹	BMP TYPE ¹	BMP CLASS ¹	NUM BMP	IMPERVIOUS ACRES	% ISRP COMPLETE	IMPLEMEN- TATION COST	BUILT DATE	IMPLEMEN- TATION STATUS	GENERAL COMMENTS
Obligations from Previous Permit That Must Be Continued or Met				199.00					
Operational Programs ^{2,3}									
FY22 CBC	CBC	A	140	29	15%	\$144,831	6/30/2022	Complete	Assumes 50% organic and 50% inorganic material collected.
FY23 CBC	CBC	A	334	70	35%	\$173,162	6/30/2023	Complete	Assumes 50% organic and 50% inorganic material collected.
FY24 CBC	CBC	A	301	63	32%	\$206,862	6/30/2024	Complete	Assumes 50% organic and 50% inorganic material collected.
FY25 CBC	CBC	A	313	66	33%	\$299,784	6/30/2025	Complete	Assumes 50% organic and 50% inorganic material collected.
FY26 CBC	CBC	A	212	44	22%	\$269,078	6/30/2026	Complete	Assumes 50% organic and 50% inorganic material collected.
FY22 SEPP	SEPP	A	20747	415	209%	\$0	6/30/2022	Complete	Funding Source: Private septic tank owners.
FY23 SEPP	SEPP	A	19760	395	199%	\$0	6/30/2023	Complete	Funding Source: Private septic tank owners.
FY24 SEPP	SEPP	A	21736	435	218%	\$0	6/30/2024	Complete	Funding Source: Private septic tank owners.
FY25 SEPP	SEPP	A	22452	449	226%	\$0	6/30/2025	Complete	Funding Source: Private septic tank owners.
FY26 SEPP	SEPP	A	20708	414	208%	\$0	6/30/2026	Complete	Funding Source: Private septic tank owners.
FY22 VSS	VSS	A	256	40	20%	\$325,714	6/30/2022	Complete	256 lane miles swept.
FY23 VSS	VSS	A	256	40	20%	\$346,189	6/30/2023	Complete	256 lane miles swept.
FY24 VSS	VSS	A	256	40	20%	\$331,726	6/30/2024	Complete	256 lane miles swept.
FY25 VSS	VSS	A	256	40	20%	\$340,521	6/30/2025	Complete	256 lane miles swept.
FY26 VSS	VSS	A	256	40	20%	\$337,125	6/30/2026	Complete	256 lane miles swept.
Subtotal Operations ⁴			107983	516	216%	\$2,774,992			

BMP ID or NAME ¹	BMP TYPE ¹	BMP CLASS ¹	NUM BMP	IMPERVIOUS ACRES	% ISRP COMPLETE	IMPLEMEN- TATION COST	BUILT DATE	IMPLEMEN- TATION STATUS	GENERAL COMMENTS
Capital Projects (Completed to Replace Annual Obligations) ^{2,3}									
			0	0	0%	\$0			
Subtotal Capital			0	0	0%	\$0			
Other (Completed to Replace Annual Obligations) ^{2,3}									
			0	0	0%	\$0			
Subtotal Other			0	0	0%	\$0			
Total Continued Obligations from Previous Permit			107,983	516	259%	\$2,774,992			

BMP ID or NAME ¹	BMP TYPE ¹	BMP CLASS ¹	NUM BMP	IMPERVIOUS ACRES	% ISRP COMPLETE	IMPLEMEN- TATION COST	BUILT DATE	IMPLEMEN- TATION STATUS	GENERAL COMMENTS
Restoration for the New Permit									
2998.00									
Operational Programs ^{3,5}									
			0	0	0%	\$0			
Subtotal Operations ⁴			0	0	0%	\$0			

BMP ID or NAME ¹	BMP TYPE ¹	BMP CLASS ¹	NUM BMP	IMPERVIOUS ACRES	% ISRP COMPLETE	IMPLEMEN- TATION COST	BUILT DATE	IMPLEMEN- TATION STATUS	GENERAL COMMENTS
Capital Projects ^{3,5}									
AA24APY000002	FPU	A	1	10.05	0.34%	\$87,299	11/27/2023	Complete	
AA19RST000024	IBAS	S	1	12.99	0.43%	\$1,390,551	3/20/2023	Complete	
AA23RST000001	IBAS	S	1	8.88	0.30%	\$762,212	3/17/2023	Complete	
AA23RST000002	IBAS	S	1	4.56	0.15%	\$391,406	8/30/2022	Complete	
AA21APY000002	IMPP	A	1	0.02	0.00%	\$1,092	5/5/2023	Complete	
AA17RST000002	ITRN	S	1	2.64	0.09%	\$517,454	1/5/2022	Complete	
AA17RST000007	MIBR	E	1	7.72	0.26%	\$1,207,827	7/1/2023	Complete	
AA24RST000002	MSWB	E	1	0.33	0.01%	\$31,514	11/29/2023	Complete	
AA21RST000002	MSWG	E	1	0.05	0.00%	\$7,692	10/26/2023	Complete	
AA21RST000003	MSWG	E	1	0.07	0.00%	\$12,308	10/26/2023	Complete	
AA20ALN000001	OUT	A	1	19.8	0.66%	\$2,017,564	7/11/2023	Complete	
AA21ALN000003	OUT	A	1	100.84	3.36%	\$275,659	2/27/2024	Complete	
AA21ALN000017	OUT	A	1	4.13	0.14%	\$274,880	10/21/2022	Complete	
AA22ALN000007	OUT	A	1	100.63	3.36%	\$1,249,524	9/6/2021	Complete	
AA22ALN000014	OUT	A	1	80.34	2.68%	\$743,142	6/15/2024	Complete	
AA22ALN000015	OUT	A	1	3.98	0.13%	\$102,355	4/27/2022	Complete	
AA22ALN000017	OUT	A	1	45.17	1.51%	\$1,113,257	8/1/2023	Complete	
AA24ALN000001	OUT	A	1	2.51	0.08%	\$149,117	7/1/2023	Complete	
AA24ALN000024	OUT	A	1	0.94	0.03%	\$168,742	11/6/2023	Complete	
AA19RST000010	PWED	S	1	45.65	1.52%	\$2,145,860	10/31/2022	Complete	
AA19RST000015	PWED	S	1	14.37	0.48%	\$360,866	6/13/2022	Complete	
AA20RST000002	PWED	S	1	26.47	0.88%	\$72,359	2/27/2024	Complete	
AA23RST000003	PWET	S	1	12.8	0.43%	\$111,937	1/1/2024	Complete	
AA24RST000004	PWET	S	1	1.75	0.06%	\$151,391	8/10/2023	Complete	
AA21APY000001	RCL	A	1	0.15	0.01%	\$8,190	5/5/2023	Complete	
AA17ALN000008	SHST	A	1	9.78	0.33%	\$1,909,045	2/28/2022	Complete	
AA17ALN000017	SHST	A	1	10.24	0.34%	\$2,070,593	2/28/2022	Complete	
AA20ALN000016	SHST	A	1	30.05	1.00%	\$647,113	11/16/2021	Complete	
AA20ALN000017	SHST	A	1	110.12	3.67%	\$2,369,719	11/16/2021	Complete	
AA23ALN000007	SHST	A	1	3.99	0.13%	\$177,427	7/1/2023	Complete	
AA17RST000001	SPSD	A	1	4.77	0.16%	\$934,946	9/23/2021	Complete	
AA17RST000005	SPSD	A	1	4.52	0.15%	\$707,173	7/1/2023	Complete	
AA17RST000011	SPSD	A	1	12.62	0.42%	\$311,032	8/1/2023	Complete	
AA17RST000022	SPSD	A	1	8.32	0.28%	\$1,142,946	2/7/2024	Complete	
AA18RST000023	SPSD	A	1	5.42	0.18%	\$67,300	9/6/2021	Complete	
AA19RST000003	SPSD	A	1	0.96	0.03%	\$19,692	11/18/2021	Complete	
AA21RST000001	SPSD	A	1	0.8	0.03%	\$7,650	1/24/2023	Complete	
AA22RST000003	SPSD	A	1	0.24	0.01%	\$2,220	6/15/2024	Complete	
AA24RST000003	SPSD	A	1	0.24	0.01%	\$14,258	7/1/2023	Complete	
AA24RST000007	SPSD	A	1	12.68	0.42%	\$278,505	4/1/2024	Complete	
AA18ALN000001	STRE	A	1	34.61	1.15%	\$1,936,679	11/15/2021	Complete	
AA18ALN000002	STRE	A	1	32.65	1.09%	\$1,827,003	9/1/2023	Complete	

BMP ID or NAME¹	BMP TYPE¹	BMP CLASS¹	NUM BMP	IMPERVIOUS ACRES	% ISRP COMPLETE	IMPLEMEN- TATION COST	BUILT DATE	IMPLEMEN- TATION STATUS	GENERAL COMMENTS
AA19ALN000001	STRE	A	1	33.32	1.11%	\$2,860,012	7/11/2023	Complete	
AA19ALN000008	STRE	A	1	13.7	0.46%	\$1,239,023	1/14/2022	Complete	
AA19ALN000020	STRE	A	1	19.85	0.66%	\$407,166	11/18/2021	Complete	
AA20ALN000004	STRE	A	1	29.81	0.99%	\$221,960	7/5/2022	Complete	
AA20ALN000011	STRE	A	1	235.37	7.85%	\$643,414	2/27/2024	Complete	
AA20ALN000013	STRE	A	1	116.15	3.87%	\$364,225	12/31/2022	Complete	
AA21ALN000006	STRE	A	1	30.84	1.03%	\$294,919	1/24/2023	Complete	
AA21ALN000018	STRE	A	1	5.3	0.18%	\$289,383	5/5/2023	Complete	
AA21ALN000026	STRE	A	1	138.29	4.61%	\$1,642,000	5/3/2023	Complete	
AA22ALN000003	STRE	A	1	136.61	4.56%	\$1,263,638	6/15/2024	Complete	
AA24RST000010	WSHW	S	1	1.42	0.05%	\$580,978	5/7/2024	Complete	
AA19ALN000023	STRE	A	1	81.53	2.72%	\$2,686,433	6/13/2025	Complete	
AA19ALN000003	STRE	A	1	6.07	0.20%	\$318,104	1/15/2025	Complete	
AA21ALN000027	STRE	A	1	31.36	1.05%	\$2,790,485	1/15/2025	Complete	
AA24APY000004	IMPP	A	1	0.23	0.01%	\$3,652	1/15/2025	Complete	
AA24RST000011	PWET	S	1	109.97	3.67%	\$1,746,348	1/1/2026	Complete	
AA25APY000002	CLTM	A	1	0.23	0.01%	\$42,777	5/19/2025	Complete	
AA24APY000003	IMPP	A	1	0.21	0.01%	\$39,057	1/15/2025	Complete	
AA24BMP000006	SPSD	A	1	3.45	0.12%	\$641,657	9/12/2024	Complete	
AA22ALN000016	OUT	A	1	10.87	0.36%	\$597,924	9/11/2024	Complete	
AA22RST000004	SPSD	A	1	1.52	0.05%	\$83,610	7/1/2025	Complete	
AA24ALN000026	SHST	A	1	26.16	0.87%	\$56,005	3/14/2025	Complete	
AA18RST000047	PWED	S	1	11.03	0.37%	\$588,708	4/1/2026	Complete	
AA18RST000048	PWED	S	1	11.03	0.37%	\$588,708	1/8/2025	Complete	
AA18RST000049	PWED	S	1	11.03	0.37%	\$588,708	2/19/2025	Complete	
AA19ALN000025	STRE	A	1	8.56	0.29%	\$456,876	10/17/2024	Complete	
AA25ALN000001	OUT	A	1	16.58	0.55%	\$535,400	1/7/2026	Complete	
AA21ALN000020	STRE	A	1	15.74	0.53%	\$2,227,899	1/8/2025	Complete	
AA21ALN000016	STRE	A	1	41.95	1.40%	\$1,672,816	1/14/2025	Complete	
AA25ALN000004	OUT	A	1	7.21	0.24%	\$244,152	5/21/2025	Complete	
AA24APY000005	IMPP	A	1	0.03	0.00%	\$63,676	5/21/2025	Complete	
AA18ALN000015	STRE	A	1	20.82	0.69%	\$1,741,664	12/11/2024	Complete	
AA24ALN000004	OUT	A	1	22.17	0.74%	\$190,503	5/13/2026	Complete	
AA24ALN000003	STRE	A	1	12.73	0.42%	\$109,387	7/14/2025	Complete	
AA19RST000012	WEDW	S	1	9.24	0.31%	\$304,460	4/15/2025	Complete	
AA21RST000008	WEDW	S	1	7.09	0.24%	\$233,617	7/14/2025	Complete	
AA24ALN000013	SHST	A	1	3.11	0.10%	\$62,000	11/1/2025	Complete	
AA24ALN000016	SHST	A	1	8.04	0.27%	\$125,238	12/11/2024	Complete	
AA26RST000001	ITRN	S	1	0.82	0.03%	\$155,089	1/26/2025	Complete	
AA24APY000006	IMPF	A	1	0.28	0.01%	\$30,614	4/1/2025	Complete	
AA18RST000022	SPSD	A	1	19.64	0.66%	\$1,834,939	6/1/2026	Complete	
AA22RST000001	SPSD	A	1	49.98	1.67%	\$1,979,401	6/1/2026	Complete	
AA26ALN000005	STRE	A	1	34.73	1.16%	\$2,613,849	6/1/2026	Complete	

BMP ID or NAME ¹	BMP TYPE ¹	BMP CLASS ¹	NUM BMP	IMPERVIOUS ACRES	% ISRP COMPLETE	IMPLEMEN- TATION COST	BUILT DATE	IMPLEMEN- TATION STATUS	GENERAL COMMENTS
AA21ALN000005	STRE	A	1	38.89	1.30%	\$3,359,771	7/25/2025	Complete	
AA24ALN000012	STRE	A	1	180.86	6.03%	\$1,837,000	5/20/2025	Complete	
AA26ALN000001	SHST	A	1	129.53	4.32%	\$1,524,106	5/20/2025	Complete	
AA26ALN000002	SHST	A	1	26.32	0.88%	\$309,693	5/20/2025	Complete	
AA26ALN000003	SHST	A	1	14.04	0.47%	\$165,201	2/18/2026	Complete	
Subtotal Capital			90	2522.56	84%	\$70,133,746			

BMP ID or NAME ¹	BMP TYPE ¹	BMP CLASS ¹	NUM BMP	IMPERVIOUS ACRES	% ISRP COMPLETE	IMPLEMEN- TATION COST	BUILT DATE	IMPLEMEN- TATION STATUS	GENERAL COMMENTS
Other ^{3,5}									
AA23APY000003	FPU	A	1	39.60	1.32%	\$0	7/1/2022	Complete	Funding Source: Alliance for the Chesapeake Bay (NGO).
AA24RST000001	MMBR	E	1	0.41	0.01%	\$0	5/31/2024	Complete	Funding Source: private landowner.
FY22 SEPC	SEPC	A	104	50.00	1.67%	\$574,641	6/30/2022	Complete	Aggregated records. Funding Source: BWPR Full Delivery, Bay Restoration Fund Grant, private homeowners.
FY23 SEPC	SEPC	A	116	49.91	1.66%	\$565,820	6/30/2023	Complete	Aggregated records. Funding Source: BWPR Full Delivery, Bay Restoration Fund Grant, private homeowners.
FY24 SEPC	SEPC	A	177	45.38	1.51%	\$528,014	6/30/2024	Complete	Aggregated records. Funding Source: BWPR Full Delivery, Bay Restoration Fund Grant, private homeowners.
FY25 SEPC	SEPC	A	69	15.87	0.53%	\$0	6/30/2025	Complete	Aggregated records. Funding Source: Bay Restoration Fund Grant, private homeowners.
FY26 SEPC	SEPC	A	91	20.93	0.70%	\$0	6/30/2026	Complete	Aggregated records. Funding Source: Bay Restoration Fund Grant, private homeowners.
FY22 SEPD	SEPD	A	222	35.52	1.18%	\$0	6/30/2022	Complete	Aggregated records. Funding Source: Bay Restoration Fund Grant, private homeowners.
FY23 SEPD	SEPD	A	159	25.44	0.85%	\$0	6/30/2023	Complete	Aggregated records. Funding Source: Bay Restoration Fund Grant, private homeowners.
FY24 SEPD	SEPD	A	135	21.92	0.73%	\$0	6/30/2024	Complete	Aggregated records. Funding Source: Bay Restoration Fund Grant, private homeowners.
FY25 SEPD	SEPD	A	145	23.20	0.77%	\$0	6/30/2025	Complete	Aggregated records. Funding Source: Bay Restoration Fund Grant, private homeowners.
FY26 SEPD	SEPD	A	144	23.04	0.77%	\$0	6/30/2026	Complete	Aggregated records. Funding Source: Bay Restoration Fund Grant, private homeowners.
AA21ALN000010	SHST	A	1	11.06	0.37%	\$0	8/3/2021	Complete	Funding Source: Alliance for the Chesapeake Bay (NGO).
AA19ALN000043	SHST	A	1	42.40	1.41%	\$0	4/28/2023	Complete	Funding Source: Arundel Rivers Federation (NGO).
AA21ALN000014	SHST	A	1	14.33	0.48%	\$0	1/30/2023	Complete	Funding Source: Deale Beach Citizens Association.
AA23ALN000006	SHST	A	1	7.00	0.23%	\$0	9/25/2023	Complete	Funding Source: Longview Civic Association.
AA23ALN000002	SHST	A	1	13.50	0.45%	\$0	10/7/2022	Complete	Funding Source: private developer.
AA23ALN000001	SHST	A	1	0.54	0.02%	\$0	7/22/2022	Complete	Funding Source: private developer.
AA21RST000005	SPSD	A	1	0.70	0.02%	\$0	8/3/2021	Complete	Funding Source: Alliance for the Chesapeake Bay (NGO).
AA21RST000006	SPSD	A	1	0.66	0.02%	\$0	8/3/2021	Complete	Funding Source: Alliance for the Chesapeake Bay (NGO).
AA21ALN000025	STRE	A	1	26.35	0.88%	\$0	6/15/2024	Complete	Funding Source: Severn Riverkeeper.
AA25APY000004	CLTM	A	1	0.55	0.02%	\$0	12/11/2024	Complete	Funding Source: Alliance for the Chesapeake Bay (NGO).
AA25APY000005	CLTM	A	1	0.21	0.01%	\$0	11/22/2024	Complete	Funding Source: Alliance for the Chesapeake Bay (NGO).
AA25APY000006	CLTM	A	1	0.18	0.01%	\$0	11/22/2024	Complete	Funding Source: Alliance for the Chesapeake Bay (NGO).
Subtotal Other			1376	469	16%	\$1,668,475			
Total Additional Restoration			1,466	2,991	100%	\$71,802,221			„

Notes:

1. Use BMP IDs, types, classes, impervious acres, built dates, etc. from MS4 Geodatabase.
2. % ISR Complete compared to continued annual alternative ISR.
3. Insert additional rows as necessary.
4. Impervious Acres are the average for the time period, Implementation Costs are totaled.
5. % ISR Complete compared to ISR new permit.

Article 4-202.1(j)(1)(i)1: Actions that will be required of the county or municipality to meet the requirements of its National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System Permit.

Continued Annual Alternative ISR (acres) 199
Required ISR New Permit (acres): 2,998

BMP TYPE ¹	BMP CLASS	IMPERVIOUS ACRES	% ISR GOAL	IMPLEMENTATION COSTS	IMPLEMENTATION STATUS	IMPLEMENTATION COMPLETION YEAR (FY)
Obligations from Previous Permit That Must Be Continued or Met						
Operational Programs ^{2,3}						
CBC	A	37.5	19%	\$239,955	Planning	2027
CBC	A	37.5	19%	\$247,154	Planning	2028
CBC	A	37.5	19%	\$254,568	Planning	2029
CBC	A	37.5	19%	\$262,205	Planning	2030
CBC	A	37.5	19%	\$270,071	Planning	2031
SEPP	A	124.3	62%	\$0	Planning	2027
SEPP	A	124.3	62%	\$0	Planning	2028
SEPP	A	124.3	62%	\$0	Planning	2029
SEPP	A	124.3	62%	\$0	Planning	2030
SEPP	A	124.3	62%	\$0	Planning	2031
VSS	A	37.6	19%	\$350,998	Planning	2027
VSS	A	37.6	19%	\$361,528	Planning	2028
VSS	A	37.6	19%	\$372,373	Planning	2029

BMP TYPE ¹	BMP CLASS	IMPERVIOUS ACRES	% ISR GOAL	IMPLEMENTATION COSTS	IMPLEMENTATION STATUS	IMPLEMENTATION COMPLETION YEAR (FY)
VSS	A	37.6	19%	\$383,545	Planning	2030
VSS	A	37.6	19%	\$395,051	Planning	2031
Operations Next Two Years (FY27-28) ⁴		199	100%	\$1,199,635		
Operations Next Five Years (FY27-31) ⁴		199	100%	\$3,137,448		
Operations Permit Term (FY22-27) ⁴		463	233%	\$3,365,945		
Capital Projects (Completed to Replace Annual Obligations)^{2,3}						
		0	0%	\$0		
Subtotal Capital Next Two Years (FY27-28)		0	0%	\$0		
Subtotal Capital Next Five Years (FY27-31)		0	0%	\$0		
Subtotal Capital Permit Term (FY22-27)		0	0%	\$0		
Other (Completed to Replace Annual Obligations)^{2,3}						
		0	0%	\$0		
Subtotal Other Next Two Years (FY27-28)		0	0%	\$0		
Subtotal Other Next Five Years (FY27-31)		0	0%	\$0		
Subtotal Other Permit Term (FY22-27)		0	0%	\$0		

BMP TYPE ¹	BMP CLASS	IMPERVIOUS ACRES	% ISR GOAL	IMPLEMENTATION COSTS	IMPLEMENTATION STATUS	IMPLEMENTATION COMPLETION YEAR (FY)
Total Continued Obligations Next Two Years (FY27-28)		199	100%	\$1,199,635		
Total Continued Obligations Next Five Years (FY27-31)		199	100%	\$3,137,448		
Total Continued Obligations Permit Term (FY22-27)		463	233%	\$3,365,945		
Restoration for the Current Permit						
Operational Programs^{3,5}						
		0	0%	\$0		
Operations Next Two Years (FY27-28) ⁴		0	0%	\$0		
Operations Next Five Years (FY27-31) ⁴		0	0%	\$0		
Operations Permit Term (FY22-27) ⁴		0	0%	\$0		
Capital Projects^{3,5}						
SHST	A	39.64	1.32%	\$764,744	Under Construction	2027
STRE	A	85.76	2.86%	\$6,454,469	Under Construction	2027
FSND	S	21.19	0.71%	\$1,731,239	Planning	2027
IBAS	S	6.39	0.21%	\$684,036	Planning	2027
MMBR	E	0.3	0.01%	\$17,400	Planning	2027

BMP TYPE ¹	BMP CLASS	IMPERVIOUS ACRES	% ISR GOAL	IMPLEMENTATION COSTS	IMPLEMENTATION STATUS	IMPLEMENTATION COMPLETION YEAR (FY)
OUT	A	14.61	0.49%	\$900,091	Planning	2027
PWET	S	5.07	0.17%	\$595,686	Planning	2027
SHST	A	189.01	6.30%	\$7,545,966	Planning	2027
SPSD	A	43.95	1.47%	\$2,643,997	Planning	2027
STRE	A	122.64	4.09%	\$6,986,468	Planning	2027
SHST	A	26.89	0.90%	\$970,985	Planning	2028
SPSD	A	37.5	1.25%	\$917,162	Planning	2028
STRE	A	581.66	19.40%	\$31,805,235	Planning	2028
STRE	A	438.39	14.62%	\$10,400,021	Planning	2029
OUT	A	9.21	0.31%	\$524,669	Planning	2030
SHST	A	165.72	5.53%	\$1,999,000	Planning	2030
STRE	A	689.36	22.99%	\$34,415,873	Planning	2030
OUT	A	426.56	14.23%	\$4,522,473	Planning	2031
SHST	A	0.58	0.02%	\$165,163	Planning	2031

BMP TYPE ¹	BMP CLASS	IMPERVIOUS ACRES	% ISR GOAL	IMPLEMENTATION COSTS	IMPLEMENTATION STATUS	IMPLEMENTATION COMPLETION YEAR (FY)
STRE	A	263.84	8.80%	\$28,693,328	Planning	2031
Subtotal Capital Next Two Years (FY27-28)		1,175	39%	\$62,017,479		
Subtotal Capital Next Five Years (FY27-31)		3,168	106%	\$142,738,006		
Subtotal Capital Permit Term (FY22-27)		3,051	102%	\$98,457,843		
Other^{3,5}						
FPU	A	2.31	0.08%	\$0	Planning	2027
IMPP	A	0.02	0.00%	\$0	Planning	2027
SHST	A	20	0.67%	\$0	Planning	2027
SPSD	A	2	0.07%	\$0	Planning	2027
STRE	A	83	2.77%	\$0	Planning	2027
SHST	A	41.18	1.37%	\$0	Planning	2028
STRE	A	10	0.33%	\$0	Planning	2028
SHST	A	128.91	4.30%	\$0	Planning	2029
STRE	A	197.43	6.59%	\$0	Planning	2029
Subtotal Other Next Two Years (FY27-28)		159	5%	\$0		
Subtotal Other Next Five Years (FY27-31)		485	16%	\$0		
Subtotal Other Permit Term (FY22-27)		576	19%	\$1,668,475		
Total Next Two Years (FY27-28)		1,333	44%	\$62,017,479		
Total Next Five Years (FY27-31)		3,653	122%	\$142,738,006		
Total Permit Term (FY22-27)		3,627	121%	\$100,126,318		

Notes:

*To identify all "actions" required under the MS4 permit, provide an executive summary of the jurisdiction's MS4 programs. For proposed actions to meet the

1. Use BMP domains from MDE MS4 Geodatabase.
2. % ISR Complete compared to continued annual alternative ISR.
3. Insert additional rows as necessary.
4. Impervious Acres are the average for the time period, Implementation Costs are totaled.
5. % ISR Complete compared to ISR new permit.

Version 6-30-26

**Article 4-202.1(j)(1)(i)2: Projected annual and 5-year costs for the county or municipality to meet the impervious surface restoration plan requirements of its
National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System Permit.**

DESCRIPTION	PAST UP THRU YEAR FY 2025 ¹	CURRENT YEAR FY 2026	PROJECTED YEAR 1 FY 2027	PROJECTED YEAR 2 FY 2028	PROJECTED YEAR 3 FY 2029	PROJECTED YEAR 4 FY 2030	PROJECTED YEAR 5 FY 2031	TOTAL PERMIT TERM ² FY 2022-2027
Operating Expenditures (costs)								
Street Sweeping Program	\$1,344,150	\$337,125	\$350,998	\$361,528	\$372,373	\$383,545	\$395,051	\$2,032,273
Inlet Cleaning	\$824,639	\$235,646	\$239,955	\$247,154	\$254,568	\$262,205	\$270,071	\$1,300,240
IDDE	\$318,036	\$86,907	\$90,387	\$82,555	\$82,555	\$82,555	\$82,555	\$577,885
Support of Capital Projects	\$30,539,539	\$12,417,136	\$12,393,260	\$12,383,363	\$12,365,104	\$12,346,295	\$12,326,923	\$55,349,935
Debt Service Payment ³	\$81,555,728	\$16,138,400	\$16,568,100	\$17,937,500	\$19,259,300	\$20,865,500	\$22,424,100	\$114,262,228
Maintenance of Capital Projects (current permit)	\$7,016,056	\$1,777,786	\$1,780,000	\$1,780,000	\$1,780,000	\$1,780,000	\$1,780,000	\$10,573,842
Maintenance of Capital Projects (previous permits)	\$12,326,114							\$12,326,114
Other (please stipulate program expenditure) ⁴	-	-	-	-	-	-	-	\$0
Capital Expenditures (costs)								
General Fund (Paygo)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
WPR Fund (Paygo)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service	\$79,099,000	\$17,700,000	\$24,000,000	\$24,000,000	\$25,000,000	\$25,000,000	\$29,000,000	\$120,799,000
Grants & Partnerships	\$4,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$6,600,000
Other (please stipulate capital expenditure) ⁴	-	-	-	-	-	-	-	\$0
Total expenditures:	\$217,223,262	\$49,893,000	\$56,622,700	\$57,992,100	\$60,313,900	\$61,920,100	\$67,478,700	\$323,738,962

Notes:

1. Includes costs since expiration date of previous permit up to and including FY 2025.
2. Total permit term includes costs associated with the current permit expiring in FY 2027.
3. Debt service payments include debt service used to support capital projects from current and previous permit.
4. Insert additional rows as necessary.

Article 4-202.1(j)(1)(i)3: Projected annual and 5-year revenues or other funds that will be used to meet the cost for the county or municipality to meet the impervious surface restoration plan requirements under the National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System Permit.

DESCRIPTION	PAST UP THRU FY 2025 ¹	CURRENT YEAR FY 2026	PROJECTED YEAR 1 FY 2027	PROJECTED YEAR 2 FY 2028	PROJECTED YEAR 3 FY 2029	PROJECTED YEAR 4 FY 2030	PROJECTED YEAR 5 FY 2031	TOTAL NEXT 2-YEARS FY 2027-2028 ²	TOTAL PERMIT TERM FY 2022-2027
Annual Revenue Appropriated for ISRP ³	\$198,805,847	\$58,623,648	\$85,377,773	\$55,741,240	\$58,417,940	\$60,256,940	\$66,145,440	\$141,119,013	\$342,807,269
Annual Costs towards ISRP ⁴	\$217,223,262	\$49,893,000	\$56,622,700	\$57,992,100	\$60,313,900	\$61,920,100	\$67,478,700	\$114,614,800	\$323,738,962

Compare revenue appropriated / annual costs: **123%**
Requirement in Article 4-202.1(j)(4)(iii)⁵: **100%**

Notes:

1. Includes revenue since expiration date of previous permit up to and including FY 2025.
2. Article 4-202.1(j)(2): "A financial assurance plan shall demonstrate that the county or municipality has sufficient funding in the current fiscal year and subsequent fiscal year budgets to meet its estimated cost for the 2-year period immediately following the filing date of the financial assurance plan."
3. Revenue means "dedicated revenues, funds, or sources of funds" (per Article 4-202.1(j)(4)(iii)).
4. See ISRP Cost spreadsheet.
5. Article 4-202.1(j)(4)(iii): "For the filing of a second and subsequent financial assurance plan, funding in the financial assurance plan is sufficient if the financial assurance plan demonstrates that the county or municipality has dedicated revenues, funds, or sources of funds to meet, for the 2-year period immediately following the filing date of the financial assurance plan, 100% of the projected costs of compliance with the impervious surface restoration plan requirements of the county or municipality under its national pollutant discharge elimination system Phase I municipal separate storm sewer system permit over the 2-year period."

**Article 4-202.1(j)(1)(i)4: Any sources of funds that will be utilized by the county or municipality to meet the requirements of its
National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System Permit.**

SOURCE	PAST UP THRU FY 2025¹	CURRENT YEAR FY 2026	PROJECTED YEAR 1 FY 2027	PROJECTED YEAR 2 FY 2028	PROJECTED YEAR 3 FY 2029	PROJECTED YEAR 4 FY 2030	PROJECTED YEAR 5 FY 2031	TOTAL PERMIT TERM FY 2022-2027
Paygo Sources								
Stormwater Remediation Fees (WPR Fund)	\$ 100,705,358	\$ 27,127,459	\$ 27,414,500	\$ 28,518,800	\$ 30,244,900	\$ 32,074,400	\$ 34,015,800	\$ 155,247,317
WPR Fund Balance (Lump Sum)			\$ 31,453,608					\$ 31,453,608
General Fund	\$ 6,422,836	\$ 10,449,830	\$ 501,065					\$ 17,373,732
Investment Income	\$ 2,671,588	\$ 496,997	\$ 396,600	\$ 314,500	\$ 265,100	\$ 214,600	\$ 161,700	\$ 3,565,185
Miscellaneous Revenues	\$ 283,856	\$ 55,698	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 389,554
Interfund Recoveries	\$ 4,433,509	\$ 1,393,664	\$ 1,062,000	\$ 1,440,000	\$ 1,440,000	\$ 1,500,000	\$ 1,500,000	\$ 6,889,173
Subtotal Paygo Sources	\$ 114,517,147	\$ 39,523,648	\$ 60,877,773	\$ 30,323,300	\$ 32,000,000	\$ 33,839,000	\$ 35,727,500	\$ 214,918,569
Debt Service²								
County Transportation Bonds								\$ -
General Obligation Bonds								\$ -
Revenue (WPRF) Bonds	\$ 79,099,000	\$ 17,700,000	\$ 24,000,000	\$ 24,000,000	\$ 25,000,000	\$ 25,000,000	\$ 29,000,000	\$ 120,799,000
State Revolving Loan Fund								\$ -
Public-private partnership (debt service)								\$ -
Subtotal Debt Service	\$ 79,099,000	\$ 17,700,000	\$ 24,000,000	\$ 24,000,000	\$ 25,000,000	\$ 25,000,000	\$ 29,000,000	\$ 120,799,000
Grants and Partnerships³								
State funded grants	\$ 5,189,700	\$ 1,400,000	\$ 500,000	\$ 1,417,940	\$ 1,417,940	\$ 1,417,940	\$ 1,417,940	\$ 7,089,700
Federal funded grants								\$ -
Public-private partnership (matched grant)								\$ -
Subtotal Grants and Partnerships	\$ 5,189,700	\$ 1,400,000	\$ 500,000	\$ 1,417,940	\$ 1,417,940	\$ 1,417,940	\$ 1,417,940	\$ 7,089,700
Total Annual Sources of Funds	\$ 198,805,847	\$ 58,623,648	\$ 85,377,773	\$ 55,741,240	\$ 58,417,940	\$ 60,256,940	\$ 66,145,440	\$ 342,807,269
Percent of Funds Directed Toward ISRP								

Notes:

1. Previous accumulated revenue should be specifically designated for use for this current permit.
2. Paygo sources will be used to pay off debt service. Note that previous appropriations for debt service used for ISRP are listed in FY 2025.
3. No payment is expected.

* WPR Fund: Watershed Protection and Restoration Fund.

Version 6-30-26

Code Description	Code	Class
Ponds		
Micro-Pool Extended Detention Pond	PMED	S
Multiple Pond	PMPS	S
Pocket Pond	PPKT	S
Wet Extended Detention Pond	PWED	S
Wet Pond	PWET	S
Wetlands		
ED Shallow Wetland	WEDW	S
Pocket Wetland	WPKT	S
Pond Wetland System	WPWS	S
Shallow Marsh	WSHW	S
Infiltration		
Infiltration Basin	IBAS	S
Infiltration Trench	ITRN	S
Landscape Infiltration	MILS	E
Infiltration Berm	MIBR	E
Dry Well	MIDW	E
Filtering Systems		
Surface Sand Filter	FSND	S
Underground Filter	FUND	S
Perimeter Filter	FPER	S
Organic Filter	FORG	S
Pocket Filter	FPKT	S
Bioretention	FBIO	S
Submerged Gravel Wetland	MSGW	E
Micro-Bioretention	MMBR	E
Rain Garden	MRNG	E
Enhanced Filter	MENF	E
Open Channel Systems		
Dry Swale	ODSW	S
Wet Swale	OWSW	S
Bio-Swale	MSWB	E
Grass Swale	MSWG	E
Wet Swale	MSWW	E
Alternative Surfaces		
Green Roof - Extensive	AGRE	E
Green Roof - Intensive	AGRI	E
Permeable Pavement	APRP	E
Reinforced Turf	ARTF	E
Nonstructural Techniques		
Non-Rooftop Disconnect	NDNR	E
Rooftop Disconnect	NDRR	E
Sheetflow to Conservation Area	NSCA	E
Other Systems		
Rainwater Harvesting	MRWH	E

Other Practices		
Extended Detention Structure, Dry	XDED	S
Detention Structure (Dry Pond)	XDPD	S
Flood Management Area	XFLD	S
Oil Grit separator	XOGS	S
Other	OTH	
Alternative BMP		
Mechanical Street Sweeping	MSS	A
Regenerative/Vacuum Street Sweeping (i.e., Advanced Street	VSS	A
Catch Basin Cleaning	CBC	A
Storm Drain Vacuuming (i.e., Storm Drain Cleaning)	SDV	A
Stream Restoration	STRE	A
Outfall Stabilization	OUT	A
Shoreline Management	SHST	A
Septic Connections to WWTP	SEPC	A
Septic Denitrification	SEPD	A
Septic Pumping	SEPP	A
Elimination of Discovered Nutrient Discharges from Grey	DGI	A
Floating Treatment Wetlands	XFTW	A
Impervious Surface Reduction (i.e., impervious to pervious)	IMPP	A
Impervious Surface to Forest (i.e., IMPP + FPU)	IMPF	A
Forestation on Pervious Urban (i.e., Forest Planting)	FPU	A
Conservation Landscaping	CLTM	A
Forest Conservation	FCO	A
Riparian Conservation Landscaping	RCL	A
Riparian Forest Planting	RFP	A
Street Trees	STCI	A
Urban Soil Restoration (Compacted Pervious Surfaces)	USRP	A
Urban Soil Restoration (Removed Impervious Surfaces)	USRI	A
Urban Tree Canopy (i.e., Pervious Turf to Tree Canopy over Turf)	UTC	A
System	SPSD	A