



**MARYLAND DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION**

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
GENERAL PERMIT FOR DISCHARGES FROM
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS**

**GENERAL DISCHARGE PERMIT NO. 13-IM-5500
GENERAL NPDES NO. MDR055500**

Final Determination: April 27, 2018
Effective Date: October 31, 2018
Expiration Date: October 30, 2023

This National Pollutant Discharge Elimination System (NPDES) general permit covers small municipal separate storm sewer systems (MS4s) in certain portions of the State of Maryland. MS4 owners and operators to be regulated under this general permit must submit a Notice of Intent (NOI) to MDE by October 31, 2018. An NOI serves as notification that the MS4 owner or operator intends to comply with the terms and conditions of this general permit.

APPENDIX D

Municipal Small MS4 Progress Report

Maryland Department of the Environment (MDE)

**National Pollutant Discharge Elimination System (NPDES)
Small Municipal Separate Storm Sewer Systems (MS4) General Permit**

This Progress Report is required for those jurisdictions covered under General Discharge Permit No. 13-IM-5500. Progress Reports must be submitted to:

Maryland Department of the Environment, Water and Science Administration
Sediment, Stormwater, and Dam Safety Program
1800 Washington Boulevard, Suite 440, Baltimore, MD 21230-1708
Phone: 410-537-3543 FAX: 410-537-3553
Web Site: www.mde.maryland.gov

Contact Information

Permittee Name:	City of Takoma Park MD
Responsible Personnel:	Daryl Braithwaite
Mailing Address:	31 Oswego Avenue
	Silver Spring, MD 20910
Phone Number(s):	301-891-7615
Email address:	Daryl@takomaparkmd.gov
Additional Contact(s):	Ali Khalilian, P.E.
Mailing Address:	31 Oswego Avenue
	Silver Spring MD 20910
Phone Number(s):	301-891-7620 Cell 240-832-1128
Email address:	Alik@takomaparkmd.gov

Signature of Responsible Personnel

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Daryl Braithwaite	Daryl Braithwaite	10-30-2021
Printed Name	Signature	Date

Reporting Period (State Fiscal Year):

10-1-2022 TO 10-1-2023

Due Date:

10/31/2023

Date of Submission:

10-31-2023

Type of Report Submitted:

Impervious Area Restoration Progress Report (Annual): ☒

Six Minimum Control Measures Progress (Years 2 and 4): ☐

Both: ☐

Permittee Information:

Renewal Permittee: ☒

New Permittee: ☐

Compliance with Reporting Requirements

Part VI of the Small MS4 General Discharge Permit (No. 13-IM-5500) specifies the reporting information that must be submitted to MDE to demonstrate compliance with permit conditions. The specific information required in this MS4 Progress Report includes:

1. Annual: Progress toward compliance with impervious area restoration requirements in accordance with Part V of the general permit. All requested information and supporting documentation must be submitted as specified in Section I of the Progress Report.
2. Years 2 and 4: Progress toward compliance with the six minimum control measures in accordance with Part IV of the general permit. All requested information and supporting documentation shall be reported as specified in Section II of the Progress Report. MDE may request more frequent reporting and/or a final report in year 5 if additional information is needed to demonstrate compliance with the permit.

Instructions for Completing Appendix D Reporting Forms

The reporting forms provided in Appendix D allow the user to electronically fill in answers to questions. Users may enter quantifiable information (e.g., number of outfalls inspected) in text boxes. When a more descriptive explanation is requested, the reporting forms will expand as the user types to allow as much information needed to fully answer the question. The permittee must indicate in the forms when attachments are included to provide sufficient information required in the MS4 Progress Report.

Section I: Impervious Area Restoration Reporting Form

Section I: Impervious Area Restoration Reporting

1. a. Was the impervious area baseline assessment submitted in year 1?

☒ Yes ☐ No

b. If No, describe the status of completing the required information and provide a date at which all information required by MDE will be submitted:

- c. Has the baseline been adjusted since the previous reporting year?

☐ Yes ☒ No

2. Complete the information below based on the most recent data:

Total impervious acres of jurisdiction covered under this permit:

Total impervious acres treated by stormwater water quality best management practices (BMPs):

Total impervious acres treated by BMPs providing partial water quality treatment (multiply acres treated by percent of water quality provided):

Total impervious acres treated by nonstructural practices (i.e., rooftop disconnections, non-rooftop disconnections, or vegetated swales):

Total impervious acres untreated in the jurisdiction:

Twenty percent of this total area (this is the restoration requirement):

Verify that all impervious area draining to BMPs with missing inspection records is not considered treated. Describe how this information was incorporated into the overall analysis:

All BMPs in the 2023 report have current inspection records and are included in the treatment totals.

2. Has an Impervious Area Restoration Work Plan been developed and submitted to MDE in accordance with Part V.B, Table 1 of the permit or other format?

☒ Yes ☐ No

Has MDE approved the work plan?

☒ Yes ☐ No

Section I: Impervious Area Restoration Reporting

If the answer to either question is No, describe the status of submitting (or resubmitting) the work plan to MDE and provide a date at which all outstanding information will be available:

Describe progress made toward restoration planning, design, and construction efforts and describe adaptive management strategies necessary to meet restoration requirements by the end of the permit term:

Alternative BMPs such as Outfall stabilization, stream restoration, continue to be implemented as our main implementation strategy. While updating and revising the Restoration Activity Schedule We have refined the planned activities in the direction of meeting the program objectives.

The City continued planning and implementation of the Best Management Practices and treatment facilities from, November 2022 through October 2023.

The portion of stream restoration at Takoma Branch, that was planned over multiple years, was implemented in September 2023. Construction of two (2) bio-retention facility on Larch Ave and Hopewell Avenue was completed in July.

Additionally, the City continued an enhanced tree planting program (Tree Takoma) which is providing trees at no cost to City residents, focusing on areas with less canopy, multi-family, and commercial properties. City collaborated with MNCPPC by providing partial funding, design development and construction of two (2) bio-retention facilities at Hill wood Manor Playground. Additionally, the City started operation of a new EV street sweeper, trying to enhance and expand the street sweeping operations and efforts. Stabilization of severely eroded outfall slopes at Jefferson Avenue and restoration of a failed outfall at Brashear's Run are anticipated by the end of this fiscal year. City is Planning for Installation of four (4) Filteras and one (1) Bio-scape at Houston Court and Houston Avenue. Also anticipated is Installation of four (4) Filteras at Albany and Baltimore Avenue Intersection.

In the upcoming year, the City intends to complete several outfall stabilization projects and plan an intermittent stream restorations within the City. The City will also plan to design and implement Phase two of Brashear's' Run and Takoma Branch Stream restoration Projects.

Section I: Impervious Area Restoration Reporting

3. Has a Restoration Schedule been completed and submitted to MDE in accordance with Part V.B, Table 2 of the permit?

☒ Yes ☐ No

In year 5, has a complete restoration schedule been submitted including a complete list of projects and implementation dates for all BMPs needed to meet the twenty percent restoration requirement?

☐ Yes ☒ No

Are the projected implementation years for completion of all BMPs no later than 2025?

☐ Yes ☒ No

As a result of the revisions to the allowed credit for the alternative BMP contribution for street sweeping and storm drain vacuuming, as well as the delay of planned projects due to the need to address urgent flooding issues exposed in September, 2020, current projections show that the City will not reach the 20% treatment required until 2027. As recommended by MDE the city has added the deficiency for the permit period to 10 % of the base impervious area for a 2030 Target to stride for.

Describe actions planned to provide a complete list of projects in order to achieve compliance by the end of the permit term:

Our program plans include outfall stabilization and stream restoration in the upcoming years. We also plan to expand our street sweeping program frequency to increase the amount of credit, as well as increase tree planting.

Describe the progress of restoration efforts (attach examples and photos of proposed or completed projects when available):

The restoration projects completed in 2023 included the installation of a 1520 SF surface area bioretention pond at Hopewell and at Larch Avenues. These faculties were completed in July 2023.

The stream restoration at Takoma Branch was implemented in September 2023. Two (2) Micro Bio Retention Ponds were constructed at Hillwood Manor Neighborhood Park

4. Has the BMP database been submitted to MDE in Microsoft Excel format in accordance with Appendix B, Tables B.1.a, b, and c?

☒ Yes ☐ No

Is the database complete?

☒ Yes ☐ No

If either answer is No, describe efforts underway to complete all data fields, and a date that MDE will receive the required information:

Section I: Impervious Area Restoration Reporting

5. Provide a summary of impervious area restoration activities planned for the next reporting cycle (attach additional information if necessary):

Restoration activities planned for the next reporting period will include:

- ***Outfall structure Number 243 (Poplar Avenue)***
- ***Bioretention @ Gude & Poplar Ave.***
- ***Sligo Mill Rd Outfall Restoration***
- ***Inlet Pipes and Filteras @ Kennebec from Roanoke Avenue to Houston Avenue***
- ***Outfall structure number 1028(7113 Central Avenue)***
- ***Outfall structure number 1221(7101 New Hampshire Ave)***

The design and MDE permit for the Takoma Branch Stream Restoration Project Phase 2 consisting of Approximately 500 linear feet of outfall and stream bank restoration is planned to be pursued. The Phase 1 of Takoma Branch stream bank and outfall stabilization was completed in September of 2023.

6. Describe coordination efforts with other agencies regarding the implementation of impervious area restoration activities:

Most outfall stabilization projects within the City is under MNPPC The Takoma Branch Stream restoration is a joint effort which was completed this summer the land is owned by MNCPPC. The project design was a collaborative effort between the City and MNCPPC. The City is funding this phase of construction.

Jefferson Avenue Outfall Stabilization Project scheduled for this fiscal year is another permitted collaborative with MNCPPC.

Similarly, the Brashear's Run outfall stabilization was collaboratively designed by the City and MNCPPC, but financed by the City.

Also finalized and placed on this period was Hillwood Manor Neighborhood Park Two (2) bio retention s credited to the City.

7. List total cost of developing and implementing the impervious area restoration program during the permit term:

Installation of BMP's since 2007 to date incurred an estimated total cost of \$55,930,229.44 for both structural and alternative measures.

The annual budget is typically \$700 - \$750K and includes \$250,000 for Capital Projects, \$180,000 for maintenance and repairs, \$150,000 for video inspections, pipe cleaning, and IDDE, and \$150,000 for engineering assistance. The remainder is personnel costs for the 0.75 FTE's associated with the program.

The FY24 Stormwater management budget is \$781,781

	Type of Restoration Project	BMP Code ¹	BMP ID (Optional)	Cost (\$K) ²	Imperv Acres Treated	Imperv Acre Target and Balance	Project Status ³	Year Complete or Projected Implementation	MD Grid Coordinates (Northing/Easting)		Cost (\$)	
	Total Acreage (1337.6); Impervious Acres Baseline (546.9); 20% Restoration Target (109.4 acres)											
	Type of Restoration Project	BMP Code ¹	BMP ID (Optional)	Cost (\$K) ²	Imperv Acres Treated	Imperv Acre Target and Balance	Project Status ³	Year Complete or Projected Implementation	MD Grid Coordinates (Northing/Easting)		Cost (\$)	
	PUBLIC BMPS											Cost (\$)
1	5 Cleveland Avenue- Bioretention	FBIO	TP07BMP000001	\$ 30	0.20	109.18	C	2007	478983	1307647	\$ 30,000	
2	Holly Ave & Grant Ave	MMBR	TP08BMP000002	\$ 19	0.06	109.12	C	2008	479651	1308869	\$ 19,470	
3	12 Cleveland Avenue Rainstore Storage Basin	MENF	TP09BMP000003	\$ 61	0.38	108.74	C	2009	478994	1307568	\$ 61,000	
4	Philadelphia Ave Com Center Parking	MMBR	TP09BMP000005	\$ 13	0.09	108.65	C	2009	478777	1309071	\$ 13,000	
5	Green Roof - City Building	AGRE	TP10BMP000006	\$ 70	0.06	108.59	C	2010	478981	1310916	\$ 70,000	
6	Hancock Step pool outfall stablization	MMBR	TP10BMP000007	\$ 36	0.86	107.73	C	2010	478965	1310950	\$ 36,000	
7	Hancock Bioretention	SPSC	TP10BMP000008	\$ 23	0.24	107.49	C	2010	478939	1309509	\$ 23,000	
8	Linden Avenue - Modular wetland	MENF	TP10BMP000009	\$ 216	0.89	106.61	C	2010	477496	1315521	\$ 216,000	
9	Westmoreland Avenue - Bioretention	MMBR	TP10BMP000010	\$ 5	0.06	106.55	C	2010	476349	1309100	\$ 5,000	
10	Public Works Facility	MENF	TP10BMP000097	\$ 45	0.82	105.73	C	2010	479940	1309800	\$ 45,200	
11	Kennewick & Kirklynn - Traffic Circle	MMBR	TP11BMP000011	\$ 76	0.40	105.34	C	2011	481249	1315345	\$ 75,961	
12	Old Carroll Bioretention	MMBR	TP11BMP000012	\$ 12	0.09	105.24	C	2011	479168	1312158	\$ 12,000	
13	Anne & Kennewick 1-SE LOC 15	MMBR	TP11BMP000013	\$ 9	0.09	105.15	C	2011	481963	1314887	\$ 8,500	
14	Anne & Kennewick 2-NE LOC14	MMBR	TP11BMP000014	\$ 9	0.17	104.98	C	2011	481984	1314839	\$ 9,000	
15	Anne & Wildwood 2 NE	MMBR	TP12BMP000015	\$ 7	0.02	104.96	C	2012	481644	1314443	\$ 7,000	
16	Anne & Wildwood 1SW	MMBR	TP12BMP000016	\$ 7	0.23	104.73	C	2012	481521	1314459	\$ 7,122	
17	Columbia & Poplar	MMBR	TP12BMP000017	\$ 15	0.21	104.52	C	2012	477118	1310516	\$ 15,375	
18	Kirklynn & Lockney	MMBR	TP12BMP000018	\$ 9	0.12	104.40	C	2012	481115	1315114	\$ 8,878	
19	Manor Circle triangle	MMBR	TP12BMP000019	\$ 24	0.34	104.06	C	2012	477849	1311071	\$ 23,668	
20	Tulip Bio Swale	MMBR	TP12BMP000020	\$ 18	0.10	103.96	C	2012	477292	1308242	\$ 18,124	
21	Wabash 1	MMBR	TP12BMP000021	\$ 21	0.10	103.86	C	2012	483508	1311462	\$ 21,268	
22	Wabash 2	MMBR	TP12BMP000022	\$ 20	0.22	103.64	C	2012	483479	1311441	\$ 20,000	
23	Wabash 3 Swale Filter	IBAS	TP12BMP000023	\$ 9	0.02	103.62	C	2012	483550	1311385	\$ 9,000	
24	Wildwood & Haverford	MMBR	TP12BMP000024	\$ 4	0.07	103.55	C	2012	479375	1315262	\$ 4,440	
25	Grant dead-end	FBIO	TP12BMP000025	\$ 94	0.30	103.26	C	2012	480415	1315810	\$ 94,470	
26	Holton Lane	MMBR	TP13BMP000026	\$ 24	0.17	103.09	C	2013	482880	1311097	\$ 23,678	
27	Hudson Avenue 1	MMBR	TP13BMP000027	\$ 27	0.21	102.88	C	2013	482866	1311158	\$ 27,115	
28	Hudson Avenue 2	MMBR	TP13BMP000028	\$ 14	0.08	102.80	C	2013	482831	1311197	\$ 13,558	
29	Hudson Avenue 3	MMBR	TP13BMP000029	\$ 14	0.22	102.58	C	2013	478463	1312151	\$ 13,558	
30	Jackson & Lincoln 1	MMBR	TP14BMP000030	\$ 14	0.11	102.46	C	2014	478402	1312145	\$ 14,121	
31	Jackson & Lincoln 2	MMBR	TP14BMP000031	\$ 30	0.10	102.37	C	2014	478349	1312110	\$ 29,697	
32	Jackson & Lincoln 3	MMBR	TP14BMP000032	\$ 18	0.15	102.22	C	2014	477130	1313308	\$ 17,579	
33	Elm & Lincoln	MMBR	TP14BMP000033	\$ 20	0.12	102.10	C	2014	475857	1312863	\$ 20,000	
34	Prince Georges & Belford Pl	MMBR	TP14BMP000034	\$ 23	0.09	102.01	C	2014	480448	1309840	\$ 23,098	
35	Ritchie Avenue - 1	MMBR	TP14BMP000035	\$ 21	0.13	101.88	C	2014	480462	1309863	\$ 20,510	
36	Ritchie Avenue - 2	MMBR	TP14BMP000036	\$ 14	0.06	101.82	C	2014	480478	1309901	\$ 13,825	
37	Ritchie Avenue - 3	MMBR	TP14BMP000037	\$ 12	0.05	101.77	C	2014	480522	1309830	\$ 12,306	
38	Ritchie Avenue - 4	MMBR	TP14BMP000038	\$ 11	0.03	101.74	C	2014	480523	1309870	\$ 11,183	
39	Ritchie Avenue - 5	MMBR	TP14BMP000039	\$ 18	0.03	101.71	C	2014	477906	1311988	\$ 18,311	
40	Boyd & Jackson	MMBR	TP14BMP000040	\$ 20	0.11	101.60	C	2014	480683	1311333	\$ 19,811	
41	Maple- Modular Wetland System	MENF	TP14BMP000041	\$ 57	0.74	100.86	C	2014	476159	1312677	\$ 57,388	
42	Prince George & Circle Pond	FBIO	TP14BMP000042	\$ 122	0.15	100.71	C	2014	483244	1311041	\$ 121,740	
43	Roanoke Avenue - 8312- Filter	FUND	TP14BMP000043	\$ 33	0.40	100.31	C	2014	479460	1307356	\$ 32,783	
44	Wetland behind Park Ritchie	WPWS	TP14BMP000044	NA	2.48	97.83	C	2014	479692	1309765	NA	
45	Baltimore Ave Wet Pond	WPWS	TP15BMP000044	\$ 42	0.71	97.12	C	2015	474794	1311647	\$ 42,251	
46	Fourth Ave 6500	MMBR	TP15BMP000045	\$ 14	0.13	96.99	C	2015	474806	1311692	\$ 13,736	
47	Fourth Ave 6504	MMBR	TP15BMP000046	\$ 13	0.07	96.92	C	2015	480652	1313285	\$ 12,866	
48	Garland Avenue Bioretention	MMBR	TP15BMP000047	\$ 16	0.17	96.75	C	2015	480014	1310247	\$ 15,781	
49	Ritchie & PW	MMBR	TP15BMP000048	\$ 17	0.15	96.60	C	2015	483364	1311410	\$ 17,335	
50	Roanoke and Eastridge	MMBR	TP15BMP000049	\$ 46	0.27	96.34	C	2015	477561	1314396	\$ 46,347	
51	Glazewood Larch 1	MMBR	TP16BMP000050	\$ 36	0.25	96.08	C	2016	477527	1314424	\$ 36,444	
52	Glazewood Larch 2	MMBR	TP16BMP000051	\$ 31	0.25	95.83	C	2016	477578	1314442	\$ 31,432	
53	Glazewood Larch 3	MMBR	TP16BMP000052	\$ 6	0.04	95.80	C	2016	477578	1314442	\$ 6,330	
54	Maple Avenue Permeable Pavers	APRP	TP16BMP000054	\$ 87	0.21	95.59	C	2016	478981	1310916	\$ 87,290	

NOTES & COMMENTS

55	Colby Avenue Park	MMBR	TP16BMP000084	\$ 19	0.07	95.52	C	2016	478060	1313000	\$ 19,131	1
56	Dog Park - Trench Drain & Swale	MSWG	TP17BMP000055	\$ 66	0.11	95.41	C	2017	480088	1309079	\$ 65,500	1
57	Hayward Swale	MSWB	TP17BMP000056	\$ 15	0.39	95.01	C	2017	477780	1313547	\$ 14,833	1
58	Hayward - Permeable Pavers	APRP	TP17BMP000057	\$ 15	0.10	94.91	C	2017	477780	1313547	\$ 14,833	1
59	End of Colby Permeable Paver	APRP	TP17BMP000058	\$ 74	0.12	94.79	C	2017	478259	1312764	\$ 74,210	1
60	Wildwood Jackson Filtera LOC 19	MENF	TP17BMP000059	\$ 20	0.12	94.67	C	2017	480755	1315136	\$ 19,939	1
61	Wildwood Jackson Filtera LOC 20	MENF	TP17BMP000060	\$ 20	0.13	94.54	C	2017	477787	1313549	\$ 19,592	1
62	Park View Infiltration basin	IBAS	TP18BMP000058	\$ 9	0.06	94.48	C	2020	479135	1311000	9163.7	1
27	Sligo Mill Overlook Playground	MMBR	TP17BMP000079	\$ 25	0.00	85.28	C	2017	474000	1311800	\$ 25,000	1
63	Filtera 1 Cherry & Colby FILTER	MENF	TP18BMP000059	\$ 23	0.15	94.33	C	2018	478035	1313035	\$ 22,735	1
64	Filtera 2 Cherry & Colby	MENF	TP18BMP000060	\$ 23	0.15	94.18	C	2018	478098	1313009	\$ 22,735	1
65	Devonshire & Glazewood BIO #2	FBIO	TP19BMP000061	\$ 17	0.19	93.99	C	2019	477231	1313961	\$ 17,023	1
66	Devonshire & Glazewood BIO #1	FBIO	TP19BMP000062	\$ 44	0.29	93.70	C	2019	477263	1313937	\$ 44,435	1
67	MWS#1 Lincoln and Larch	MENF	TP19BMP000063	\$ 48	0.31	93.39	C	2019	477530	1313100	\$ 47,597	1
68	MWS#2 Lincoln and Larch	MENF	TP19BMP000064	\$ 73	0.58	92.81	C	2019	477570	1313100	\$ 73,429	1
69	MWS#3 Lincoln and Larch	MENF	TP19BMP000065	\$ 53	0.45	92.36	C	2019	477710	1313500	\$ 53,270	1
70	MWS#5 Lincoln & Elm CB1131	MENF	TP19BMP000066	\$ 36	0.11	92.25	C	2019	477750	1313500	\$ 36,316	1
71	MWS#4 Larch & Hayward at CB833	MENF	TP19BMP000067	\$ 38	0.12	92.13	C	2019	477180	1313300	\$ 38,285	1
72	Flower & Sligo Creek bioretention	FBIO	TP19BMP000068	\$ 169	0.05	92.08	C	2019	478163	1312373	\$ 168,688	1
73	Lincoln Aspen Bioretention	MMBR	TP19BMP000069	\$ 109	0.00	92.08	C	2019	478160	1312400	\$ 109,122	1
74	Grant & Holly Bio #2	MMBR	TP19BMP000070	\$ 25	0.34	91.74	C	2021	479678	1308823	\$ 25,000	1
75	Flower Avenue ESD#1	MMBR	TP19BMP000110	\$ 20	0.09	91.65	C	2021	483680	1311667	\$ 20,000	1
76	Flower Avenue ESD#2	MMBR	TP19BMP000111	\$ 15	0.20	91.45	C	2021	483680	1311667	\$ 15,000	1
77	Flower Avenue ESD#4	MMBR	TP19BMP000112	\$ 10	0.04	91.41	C	2021	483336	1311729	\$ 10,000	1
78	Flower Avenue ESD#5	MMBR	TP19BMP000113	\$ 10	0.03	91.38	C	2021	483280	1311700	\$ 10,000	1
79	Flower Avenue ESD#6	MMBR	TP19BMP000114	\$ 10	0.03	91.35	C	2021	483190	1311700	\$ 10,000	1
80	Flower Avenue ESD#18	MMBR	TP19BMP000115	\$ 35	0.08	91.27	C	2021	481220	1312200	\$ 35,000	1
81	Flower Avenue ESD#20	MMBR	TP19BMP000116	\$ 100	0.29	90.98	C	2021	480300	1312500	\$ 100,000	1
82	Ethan Allen SWM-01A SHA BMP 150970 ST303	MMBR	TP19BMP000117	\$ 50	0.15	90.83	C	2021	476683	1313739	\$ 50,000	1
83	Ethan Allen SWM-03 SHA BMP 150971 ST 313	MMBR	TP19BMP000118	\$ 50	0.06	90.77	C	2021	476602	1314427	\$ 50,000	1
84	Glenside and Jackson RG0201	MMBR	TP19BMP000119	\$ 12	0.02	90.75	C	2021	480350	1314400	\$ 12,481	1
85	Glenside and Haverford RG501	MMBR	TP19BMP000120	\$ 10	0.06	90.69	C	2021	479120	1314490	\$ 10,151	1
86	Glenside and Merwood Drive RG401	MMBR	TP19BMP000121	\$ 12	0.04	90.65	C	2021	479458	1314470	\$ 12,118	1
87	Glenside and Ann Street Mbio	MMBR	TP19BMP000127	\$ 11	0.03	90.62	C	2021	481214	1314166	\$ 10,828	1
88	Permeable Pavers at Elson St Dead End to Sligo Creek	FBIO	TP22BMP000128	\$ 74	0.20	90.42	C	2022	482171	1310864	\$ 74,210	1
89	Hillwood Manor Neighborhood Park BIO#1	MMBR	TP22BMP000139	\$ 25	0.41	90.01	C	2022	477826	1315748	\$ 25,000	1
90	Hillwood Manor Neighborhood Park BIO#2	MMBR	TP22BMP000140	\$ 25	0.49	89.52	C	2022	477032	1315086	\$ 25,000	1
91	Larch and Hopewell MBR#1	MMBR	TP23BMP000141	\$ 25	0.20	89.32	C	2023	477032	1315086	\$ 25,000	1
92	Hopewell and Larch MBR#2	MMBR	TP23BMP000142	\$ 25	0.18	89.14	C	2023	477077	1315117	\$ 25,000	1
	PRIVATE AND INSTITUTIONAL PERMITTED FACILITIES			SEIA	20.24				Total Cost (\$)	\$ 3,094,174		95
1	121 Ritchie Avenue	MIDW	TP07BMP000104	\$ 4	0.00	89.14	C	2007	480580	1309600	\$ 4,000	1
2	Talahi of MD -1 (6432 5TH Ave.)	MIDW	TP07BMP000105	\$ 5	0.00	89.14	C	2007	474020	1311400	\$ 5,000	1
3	Talahi of MD -2 (6428 5TH Ave.)	MIDW	TP07BMP000106	\$ 5	0.00	89.14	C	2007	474010	1311400	\$ 5,000	1
4	123 Ritchie Avenue (125)	MIDW	TP07BMP000107	\$ 4	0.00	89.14	C	2007	480610	1309500	\$ 4,000	2
5	Montgomery County -Carroll Avenue Fire Station	FSND	TP07BMP000108	NA	0.34	88.81	C	2007	477420	1310300	NA	1
6	6411 Orchard Avenue	MMBR	TP07BMP000109	NA	0.04	88.77	C	2007	474190	1311800	NA	1
7	Takoma Park Elementary School	MENF	TP08BMP000100	\$ 30	1.17	87.60	C	2008	479340	1308700	\$ 30,164	4
8	Urciolo Properties	MENF	TP08BMP000101	\$ 49	0.72	86.88	C	2008	476040	1308800	\$ 48,966	2
9	Cristo Rey H.S. 1010 Larch	MSWB	TP08BMP000102	\$ 65	0.20	86.68	C	2008	477240	1315100	\$ 65,300	2
10	MNCPPC-Piney Branch Park	MSWB	TP08BMP000103	NA	0.00	86.68	C	2008	479760	1309400	NA	5
11	Walgreen's - 1329 E. University	AGRE	TP10BMP000096	\$ 95	0.20	86.49	C	2010	481080	1316200	\$ 94,700	1
12	Washington Adventist University-7707 Greenwood	MENF	TP10BMP000099	\$ 20	0.10	86.39	C	2010	480110	1313000	\$ 20,000	1
13	Gateway Properties-8435 Piney Branch	APRP	TP11BMP000095	\$ 30	0.08	86.31	C	2012	484810	1311300	\$ 30,000	1
14	Montgomery Housing (MHP)- 7610 Maple	MENF	TP11BMP000098	\$ 16	0.00	86.31	C	2011	479670	1310300	\$ 16,000	4
15	Montgomery Housing (MHP) - Aspen Court	MIDW	TP12BMP000091	\$ 27	0.09	86.23	C	2013	478410	1312800	\$ 26,620	7
16	MNCPPC- 7515 Hancock	MILS	TP12BMP000092	\$ 50	0.10	86.13	C	2013	478950	1311000	\$ 50,000	1
17	6882 New Hampshire Avenue	MMBR	TP13BMP000088	\$ 20	0.15	85.98	C	2013	476130	1313400	\$ 20,000	1
18	127 Ritchie Avenue	MIDW	TP13BMP000089	\$ 3	0.00	85.98	C	2013	480700	1309400	\$ 3,000	1
19	6608 Poplar Avenue	MIDW	TP13BMP000090	\$ 4	0.00	85.98	C	2013	474910	1312000	\$ 4,000	3
20	6507 Highland Avenue	MIDW	TP13BMP000093	\$ 4	0.00	85.98	C	2013	474850	1311100	\$ 4,000	2
21	Cristo Ray High School	MMBR	TP13BMP000094	\$ 20	0.13	85.85	C	2013	477380	1314900	\$ 20,000	2
22	Montgomery College Pavilion	MMBR	TP14BMP000087	\$ 41	0.13	85.73	C	2014	479560	1306300	\$ 40,799	1
23	7020 New Hampshire Avenue	MIDW	TP15BMP000086	\$ 3	0.00	85.73	C	2015	477390	1314500	\$ 3,020	1

24	Washington Adventist University 7600 Flower	MSWB	TP16BMP000082	\$ 18	0.19	85.54	C	2016	480050	1312600	\$ 17,912	1
25	Taco Bell Takoma Park	MMBR	TP16BMP000083	\$ 25	0.27	85.28	C	2016	481350	1315900	\$ 25,000	1
26	121 Grant Avenue	MILS	TP16BMP000085	\$ 10	0.00	85.28	C	2016	478500	1310000	\$ 10,000	1
28	7305 Jackson Avenue	FBIO	TP18BMP000074	\$ 8	0.00	85.28	C	2018	477657	1312086	\$ 8,144	2
29	7303 Jackson Avenue	FBIO	TP18BMP000075	\$ 8	0.00	85.28	C	2018	477588	1311974	\$ 7,817	2
30	17 Lee Avenue-Resubmission	FBIO	TP18BMP000076	\$ 5	0.00	85.28	C	2018	478779	1310189	\$ 5,000	2
31	7-11 Takoma Park	FBIO	TP18BMP000077	\$ 10	0.09	85.19	C	2018	476696	1313921	\$ 9,919	1
32	36 Philadelphia Avenue	MILS	TP18BMP000078	\$ 7	0.00	85.19	C	2018	478240	1309700	\$ 7,467	1
33	Takoma Park Middle School	FBIO	TP19BMP000072	\$ 131	0.00	85.19	C	2019	480094	1308572	\$ 130,900	2
34	6506 Kansas Lane	FBIO	TP19BMP000073	\$ 29	0.00	85.19	C	2019	474749	1311362	\$ 28,863	1
35	Enterprise Company 6494 New Hampshire Ave	MMBR	TP21BMP000129	\$ 30	0.21	84.98	C	2021	474404	1312260	\$ 30,408.20	2
36	121 Geneva Ave Lot 34 -	MIDW	TP21BMP000125	\$ 9	0.00	84.98	C	2021	480272	1313075	\$ 9,050.00	3
37	123 Geneva Ave Lot 35 -	MIDW	TP21BMP000126	\$ 9	0.00	84.98	C	2021	480210	1310431	\$ 9,050.00	3
38	125 Geneva Ave Lot 36	MIDW	TP21BMP000130	\$ 9	0.00	84.98	C	2021	480163	1310460	\$ 9,050.00	3
39	127 Geneva Ave Lot 37	MIDW	TP21BMP000128	\$ 9	0.00	84.98	C	2021	480105	1310514	\$ 9,050.00	3
40	7000 Woodland Avenue	MIDW	TP23BMP000141	\$ 12	0.02	84.96	C	2023	476674	1311679	\$ 11,836.94	1
41	7018 Poplar Ave	MMBR	TP22BMP000137	\$ 16	0.02	84.95	C	2022	476774	1310562	\$ 16,485.00	2
42	Hillwood Manor Playground park	MILS	TP22BMP000131	\$ 50	0.00	84.95	C	2022	477770	1315732	\$ 50,000.00	3
43	Silver Spring Intermediate Neighborhood Park	MMBR	TP22BMP000138	NA	0.00	84.95	C	2022	480751	1306718	NA	2
			SEIA	4.20						Total Cost (\$)	\$ 890,520	82
	ALTERNATIVE BMPS											
1	Stream Restoration - New York & Baltimore	STRE	TP05BMP000122	\$ 45	2.00	82.95	C	2005	479674	1306993	\$ 45,313	1
2	Outfall at Cristo Ray High School	OUT	TP08BMP000003	\$ 3	0.20	82.75	C	2008	476915	1315324	\$ 2,500	1
3	Stream Restoration - Mississippi	STRE	TP08BMP000121	\$ 43	2.28	80.47	C	2008	481264	1309339	\$ 43,362	1
4	Outfall stabilization at Linden Avenue	OUT	TP10BMP000011	\$ 5	0.15	80.32	C	2010	477432	1315518	\$ 5,000	1
5	Stream Restoration -Circlewood	STRE	TP13BMP000120	\$ 39	7.90	72.42	C	2013	475401	1311193	\$ 38,964	1
6	Stream Restoration - Hayward	STRE	TP16BMP000119	\$ 67	3.78	68.64	C	2016	477904	1313550	\$ 67,442	1
7	Outfall & grouted step pool at Dog Park	OUT	TP17BMP000061	\$ 40	0.70	67.94	C	2017	480950	1310900	\$ 39,611	1
8	Tree Planting FY17	FPU	TP17BMP000123	\$ 30	0.38	67.56	C	2017	NA	NA	\$ 30,000	1
9	Street Sweeping - over the Permit Term	VVS	TP18BMP000001	NA	26.00	41.56	P	2023	NA	NA	NA	1
10	Outfall stabilization at Hilltop	OUT	TP18BMP000061	\$ 17	0.45	41.11	C	2018	480916	1310780	\$ 16,674	1
11	Tree Planting FY18	FPU	TP18BMP000124	\$ 30	0.38	40.73	C	2018	NA	NA	\$ 30,000	1
12	Tree Planting FY19	FPU	TP19BMP000125	\$ 30	0.57	40.16	C	2019	NA	NA	\$ 30,000	1
13	Storm Drain Cleaning - over the permit term	SDV	TP20BMP000008	NA	8.00	32.16	P	2023	NA	NA	NA	1
14	Tree Planting FY20	FPU	TP20BMP000126	\$ 30	0.76	31.40	C	2020	NA	NA	\$ 45,000	1
15	Glenside and Merwood swale & outfall stablization	OUT	TP20BMP000127	\$ 74	0.52	30.88	C	2021	479430	1314630	\$ 74,431	1
16	Outfall Stablization Glenside and Haverford	OUT	TP20BMP000128	\$ 69	0.19	30.69	C	2021	479011	1314894	\$ 68,660	1
17	Glenside and Jackson swale and outfall stablization	OUT	TP20BMP000129	\$ 61	0.21	30.48	C	2021	480250	1314247	\$ 60,578	1
18	Tree Planting FY21	FPU	TP21BMP000127	\$ 25	0.59	29.89	C	2021	NA	NA	\$ 30,000	1
19	Outfall stabilization at Cockerille and Circlewoods	OUT	TP22BMP000125	\$ 60	0.35	29.54	C	2022	475260	1311200	\$ 60,000	1
20	Tree Planting FY22	FPU	TP22BMP000128	\$ 70	0.80	28.74	C	2022	NA	NA	\$ 70,000	1
21	Tree Planting FY23	FPU	TP22BMP000129	\$ 30	1.15	27.59	C	2023	NA	NA	\$ 30,000	1
22	Stream Restoration-Takoma Branch	STRE	TP23BMP000126	\$ 250	3.36	24.23	C	2023	474898	1312274	\$ 250,000	1
			SEIA	60.72						Total Cost (\$)	1,037,534.56	22
	PLANNED BMPS 2024 -2025											
1	Maple Outfall Repair (Brashear's Run)	OUT	TBD	\$ 150	2.0	22.23	P	2024	479890	1311281	\$ 150,000	1
2	Filteras @ Houston Court & Houston Avenue (5)	MENF	TBD	\$ 80	2.0	20.23	P	2024	478631	1307108	\$ 80,000	5
3	Outfall structure number 1028(7113 Central Avenue)	OUT	TBD	\$ 59	0.8	19.43	P	2024	479174	1314457	\$ 59,000	1
4	Outfall structure number 1221(7101 New Hampshire Ave)	OUT	TBD	\$ 82	0.6	18.83	P	2024	477860	1315110	\$ 82,000	1
5	Jefferson Slope outfall stabilization	OUT	TBD	\$ 30	1.5	17.33	P	2024	479560	1311900	\$ 30,000	1
6	Jefferson Filtera	MSWB	TBD	\$ 80	0.5	16.83	P	2024	479556	1311900	\$ 80,000	1
7	Albany @ Baltimore Curbside & Median Filteras 4	MENF	TBD	\$ 70	0.9	15.93	P	2024	479508	1310836	\$ 70,000	4
8	Tree Planting FY24	FPU	TBD	\$ 93	1.14	14.79	P	2024	NA	NA	\$ 93,000	1
9	Bioretention @ Gude & Poplar Ave.	FBIO	TBD	\$ 40	0.05	14.74	P	2025	475080	1312315	\$ 40,000	1
10	Structure #273 – Outfall stabilization on Poplar	OUT	TBD	\$ 40	0.7	14.04	P	2025	475013	1312308	\$ 40,000	1
11	Filteras @ Kennebec 2	MENF	TBD	\$ 60	0.2	13.84	P	2025	481651	1311360	\$ 60,000	2
12	Sligo Mill Rd Outfall Restoration	OUT	TBD	\$ 150	6	7.84	P	2025	474585	1312161	\$ 15,000	1
13	Tree Planting FY25	FPU	TBD	\$ 30	1.3	6.5	P	2025	NA	NA	\$ 109,000	1
			SEIA	17.72						Total Cost (\$)	\$ 908,000	21

10 % Ofia Baseline (Acres)	54.7
Remaining in 2025 pernit Acres	6.5
Target for 2030 Permit term	61.2

PLANNED BMPS 2026 & 2030	61.21	Cost (\$)
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Kennebec Ave 650 Lf 15-18 inch pipe 8 filteras	MENF	TBD	\$ -	3.3	57.91	pc	2026	481651	1311360	\$ -
Bioretention @ Franklin Apartment	FBIO	TBD	\$ -	1.1	56.81	pc	2026	479778	1310570	\$ -
Bioretention @ Essex Parking at Maple	FBIO	TBD	\$ -	0.8	56.01	pc	2026	479625	1311164	\$ -
Boyd Jackson Park Bioretention	MMBR	TBD	\$ -	0.4	55.64	pc	2026	477968	1311899	\$ -
344 Boyd Bioretention	MMBR	TBD	\$ -	0.4	55.20	pc	2026	478006	1311928	\$ -
Jackson Boyd Park Permeable Pavers	FBIO	TBD	\$ -	0.01	55.18	pc	2026	477828	1311906	\$ -
Tree Planting FY26	FPU	TBD	\$ -	1.3	53.85	pc	2026	NA	NA	\$ -
Jackson Boyd Swale	MSWG	TBD	\$ -	0.1	53.76	pc	2027	477925	1311936	\$ -
Mar Thomas Church Parking lot Swale	MSWG	TBD	\$ -	0.3	53.50	pc	2027	477788	1311828	\$ -
Forest Park Bioretention & Swale	MMBR	TBD	\$ -	0.22	53.28	pc	2027	476641	1312524	\$ -
FILTERA #1 BIRCH SIDE 7x13	MENF	TBD	\$ -	0.4	52.91	pc	2027	478399	1308377	\$ -
FILTERA #2 DOGWOOD SIDE 4x12	MENF	TBD	\$ -	0.2	52.70	pc	2027	478389	1308354	\$ -
Elm & Lincoln Round About to Bio	MMBR	TBD	\$ -	0.19	52.51	pc	2027	477113	1313347	\$ -
Glenside Dr Round About to Bio	MMBR	TBD	\$ -	0.90	51.61	pc	2027	479006	1315300	\$ -
Glenside Dr near New Hamshore Ave Bios	MMBR	TBD	\$ -	0.05	51.56	pc	2027	478979	1315368	\$ -
Brasher Run Stream Restoration Phase Two	STRE	TBD	\$ -	4.0	47.56	pc	2027	479754	1311618	\$ -
Tree Planting FY27	FPU	TBD	\$ -	1.3	46.23	pc	2027	NA	NA	\$ -
Outfall Stablization on NH Ave across from Elson	STRE	TBD	\$ -	2.0	44.23	pc	2028	475407	1312544	\$ -
Stream Restoration-Takoma Branch Phase Two	STRE	TBD	\$ -	10.0	34.23	pc	2028	474856	1311977	\$ -
NH Service Road at Glenside Dr Permeable Pavers	FBIO	TBD	\$ -	0.36	33.86	pc	2028	479066	1315488	\$ -
Tree Planting FY28	FPU	TBD	\$ -	1.3	32.53	pc	2028	NA	NA	\$ -
Birch and Dogwood Bioretention	MMBR	TBD	\$ -	0.22	32.32	pc	2929	478330	1308382	\$ -
Washington McGlaughton stream stabilization	STRE	TBD	\$ -	8.0	24.32	pc	2029	478217	1313720	\$ -
Woodland Ave at Circle paper street (Dorothy's Woods)	WPWS	TBD	\$ -	1.4	22.92	pc	2029	475750	1312023	\$ -
Woodland Avenue streamside swale	MSWG	TBD	\$ -	0.22	22.69	pc	2029	475877	1312075	\$ -
Tree Planting FY29	FPU	TBD	\$ -	1.3	21.36	pc	2029	NA	NA	\$ -
Larch and Glazewood stream stabilization	STRE	TBD	\$ -	5	16.36	pc	2030	477754	1314663	\$ -
OutFall Stabilization 1220 & 1221 New Hampshire	OUT	TBD	\$ -	0.5	15.86	pc	2030	477863	1315128	\$ -
Outfall Stabilization 861 end Hayward	OUT	TBD	\$ -	0.2	15.66	pc	2030			\$ -
Woodland Ave stream stabilization 7105 Woodland to 514 Elm	STRE	TBD	\$ -	12.0	3.66	pc	2030	476543	1312296	\$ -
Woodland Ave stream stabilization 7115 to 7105	STRE	TBD	\$ -	3.2	0.46	pc	2030	477361	1311583	\$ -
Tree Planting FY30	FPU	TBD	\$ -	1.3	-0.87	pc	2030	NA	NA	\$ -
				62.1						\$ -

BMP_NAME	BMP_CLASS	BMP_TYPE	CON_PURPOSE	LAST_INSP_DATE	REINSP_DATE	GEN_COMMENTS
5 Cleveland Avenue- Bio Retention	E	FBIO	REST	8/17/1023	10/31/2024	
Holly & Grant	E	MMBR	REST	7/23/2023	7/23/2024	
12 Cleveland Avenue Rainstore Storage Basin	S	MENF	REST	10/26/2023	10/31/2024	RESTORATION IN NOVEMBER
Philadelphia Community Parking	E	MMBR	REST	9/29/2023	9/29/2024	
Green Roof - City Building	E	AGRE	REST	9/5/2023	10/3/2024	
Hancock Avenue - Bioretention	E	MMBR	REST	10/3/2023	10/3/2024	
Hancock Avenue - Step pool	A	SPSC	REST	10/3/2023	10/3/2024	
Linden Avenue - Modular wetland	E	MENF	REST	4/15/2023	4/15/2024	RESTORATION IN NOVEMBER
Westmoreland Avenue - Bioretention	E	MMBR	REST	10/31/2023	10/31/2024	
Public Works Facility-1	E	MENF	REDE	9/26/2023	9/26/2024	Smart Spong Filter #1
Public Works Facility-1	E	MENF	REDE	9/26/2023	9/26/2024	Ultra Urban Spong Filter #2
Public Works Facility-3	E	MENF	REDE	9/26/2023	9/26/2024	Gravel lined Trench #3
Kennewick & Kirklynn - Traffic Circle	E	MMBR	REST	9/25/2023	9/25/2024	
Old Carroll Avenue	E	MMBR	REST	10/3/2023	10/3/2024	
Anne & Kennewick 1-SE LOC 15	E	MMBR	REST	9/25/2023	9/25/2024	
Anne & Kennewick 2-NE LOC14	E	MMBR	REST	9/25/2023	9/25/2024	
Anne & Wildwood 2 NE	E	MMBR	REST	9/25/2023	9/25/2024	
Anne & Wildwood 1SW	E	MMBR	REST	9/25/2023	9/25/2024	
Columbia & Poplar	E	MMBR	REST	8/31/2023	9/25/2024	
Kirklynn & Lockney	E	MMBR	REST	9/25/2023	9/25/2024	
Manor Circle triangle	E	MMBR	REST	9/29/2023	9/25/2024	
Tulip Avenue	E	MMBR	REST	9/29/2023	9/25/2024	
Wabash 1	E	MMBR	REST	9/20/2023	9/25/2024	
Wabash 2	E	MMBR	REST	9/20/2023	9/25/2024	
Wabash 3	E	MMBR	REST	9/20/2023	9/25/2024	
Wildwood & Haverford	E	MMBR	REST	9/28/2023	9/25/2024	
Grant dead-end	S	FBIO	REST	9/29/2023	9/25/2024	
Holton Lane	E	MMBR	REST	9/28/2023	9/25/2024	
Hudson Avenue 1	E	MMBR	REST	9/28/2023	9/25/2024	
Hudson Avenue 2	E	MMBR	REST	9/20/2023	9/25/2024	
Hudson Avenue 3	E	MMBR	REST	9/20/2023	9/25/2024	
Jackson & Lincoln 1	E	MMBR	REST	10/3/2023	10/4/2024	
Jackson & Lincoln 2	E	MMBR	REST	10/3/2023	10/4/2024	
Jackson & Lincoln 3	E	MMBR	REST	10/3/2023	10/4/2024	
Elm & Lincoln	E	MMBR	REST	10/3/2023	10/4/2024	
Prince Georges & Belford Pl	E	MMBR	REST	9/15/2023	9/15/2024	
Ritchie Avenue -1	E	MMBR	REST	8/21/2023	9/15/2024	
Ritchie Avenue - 2	E	MMBR	REST	8/21/2023	9/15/2024	
Ritchie Avenue - 3	E	MMBR	REST	8/21/2023	9/15/2024	
Ritchie Avenue - 4	E	MMBR	REST	8/21/2023	9/15/2024	
Ritchie Avenue - 5	E	MMBR	REST	8/21/2023	9/15/2024	
Boyd & Jackson	E	MMBR	REST	9/29/2023	8/29/2024	
Maple- Modular Wetland System	E	MENF	REST	10/3/2023	10/4/2024	

BMP_NAME	BMP_CLASS	BMP_TYPE	CON_PURPOSE	LAST_INSP_DATE	REINSP_DATE	GEN_COMMENTS
Prince George & Circle Pond	S	FBIO	REST	9/15/2023	9/15/2024	
Roanoke Avenue - 8312- Filter	S	FUND	REST	10/20/2023	10/20/2024	
Wetland behind Park Ritchie	S	WPWS	REST	10/11/2023	10/11/2024	Maintenace Shedualed in November
Baltimore Ave Wet Pond	S	WPWS	REST	8/11/2023	8/11/2024	
Forth Ave 6500	E	MMBR	REST	9/25/2023	9/25/2024	
Forth Ave 6504	E	MMBR	REST	9/25/2023	9/25/2024	
Garland Avenue Bioretention	E	MMBR	REST	9/25/2023	9/25/2024	
Ritchie & PW	E	MMBR	REST	9/11/2023	9/25/2024	
Roanoke and Eastridge	E	MMBR	REST	9/11/2023	9/25/2024	
Glazewood Larch1	E	MMBR	REST	9/28/2023	9/25/2024	
Glazewood Larch2	E	MMBR	REST	9/28/2023	9/25/2024	
Glazewood Larch3	E	MMBR	REST	9/28/2023	9/25/2024	
Maple Avenue Permeable Pavers	E	APRP	REST	10/20/2023	10/30/2024	RESTORATION IN NOVEMBER
Colby Avenue Park	E	MMBR	NEWD	10/26/2023	9/20/2024	
Dog Park - Trench Drain & SWALE	E	MSWG	NEWD	10/3/2023	10/3/2024	
Hayward Swale	E	MSWB	REST	9/28/2023	9/28/2024	
Hayward - Permeable Pavers	E	APRP	REST	9/28/2023	9/28/2024	
End of Colby Permeable Paver	S	FUND	REST	10/16/2023	10/16/2024	
Wildwood Jackson Filtera LOC 19	E	MENF	REST	4/12/2023	10/30/2024	
Wildwood Jackson Filtera LOC 20	E	MENF	REST	4/12/2023	10/30/2024	
Sligo Mill Overlook Playground	E	MMBR	NEWD	10/26/2023	10/30/2024	
Parkview Infiltration Basin	E	IBAS	REST	10/3/2023	10/11/2024	
Filtera 1 Cherry & Colby FILTER	E	MENF	REST	10/16/2023	10/16/2024	
Filtera 2 Cherry & Colby	E	MENF	REST	10/16/2023	10/16/2024	
Devonshire & Glaizewood BIO #2	S	FBIO	REST	9/28/2023	9/28/2024	
Devonshire & Glaizewood BIO #1	S	FBIO	REST	9/28/2023	9/28/2024	
MWS#1 Lincoln and Larch	E	MENF	REST	10/3/2023	10/11/2024	
MWS#2 Lincoln and Larch	E	MENF	REST	10/3/2023	10/11/2024	
MWS#3 Lincoln and Larch	E	MENF	REST	10/3/2023	10/11/2024	
MWS#5 Lincoln & Elm CB1131	E	MENF	REST	10/3/2023	10/11/2024	
MWS#4 Larch & Hayward at CB833	E	MENF	REST	10/3/2023	10/11/2024	
Flower & Sligo Creek bioretention	E	FBIO	REST	10/3/2023	10/11/2024	
Lincoln Aspen Bioretention	E	MMBR	REDE	10/3/2023	10/11/2024	
Grant & Holly Bio #2	E	MMBR	REST	9/19/2023	9/28/2024	
Flower Avenue ESD#1	E	MMBR	REDE	9/28/2023	9/28/2024	
Flower Avenue ESD#2	E	MMBR	REDE	9/28/2023	9/28/2024	
Flower Avenue ESD#4	E	MMBR	REDE	9/28/2023	9/28/2024	
Flower Avenue ESD#5	E	MMBR	REDE	9/28/2023	9/28/2024	
Flower Avenue ESD#6	E	MMBR	REDE	9/28/2023	9/28/2024	
Flower Avenue ESD#18	E	MMBR	REDE	9/28/2023	9/28/2024	
Flower Avenue ESD#20	E	MMBR	REDE	9/28/2023	9/28/2024	
Ethan Allen SWM-01A	E	MMBR	REDE	9/28/2023	9/28/2024	
Ethan Allen SWM-03	E	MMBR	REDE	9/28/2023	9/28/2024	

BMP_NAME	BMP_CLASS	BMP_TYPE	CON_PURPOSE	LAST_INSP_DATE	REINSP_DATE	GEN_COMMENTS
Glenside and Jackson RG0201	E	MMBR	REDE	9/28/2023	9/28/2024	
Glenside and Haverford RG501	E	MMBR	REDE	9/28/2023	9/28/2024	
Glenside and Merwood Drive RG401	E	MMBR	REDE	9/28/2023	9/28/2024	
Glenside and Ann Street Mbio	E	MMBR	REDE	9/25/2023	9/28/2024	
Elson PP and Basin	E	APRP	REST	3/10/2023	10/31/2024	RESTORATION IN NOVEMBER
Hillwood Manor Nighberhood Park MBR#1	E	MMBR	REDE	9/19/2023	10/19/2024	
Hillwood Manor Nighberhood Park MBR#2	E	MMBR	REDE	9/19/2023	10/19/2024	As Built 09/15/2022
Micro Bioretentiopn Hopewell at Larch	E	MMBR	REDE	6/20/2023	6/20/2024	AS Built October
Micro Bioretentiopn 2 Larch at Hopewel	E	MMBR	REDE	6/20/2023	6/20/2024	AS Built October
121 Ritchie Avenue	E	MIDW	NEWD	10/21/2021	10/21/2024	
Talahi of MD -1 (6432 5TH Ave.)	E	MIDW	NEWD	2/12/2021	2/12/2024	
Talahi of MD -2 (6428 5TH Ave.)	E	MIDW	NEWD	3/8/2021	3/8/2024	
123 Ritchie Avenue (125) 1	E	MIDW	NEWD	10/14/2021	10/14/2024	
123 Ritchie Avenue (125) 2	E	MIDW	NEWD	10/14/2021	10/14/2024	
Montgomery County -Carroll Avenue Fire Station	S	FSND	REDE	10/27/2022	10/27/2025	
6411 Orchard Avenue	E	MMBR	REDE	2/16/2021	2/16/2024	
Takoma Park Elementary School 1	S	FUND	REDE	10/27/2022	10/27/2025	
Takoma Park Elementary School 2	S	FUND	REDE	10/27/2022	10/27/2025	
Takoma Park Elementary School 3	S	FUND	REDE	10/27/2022	10/27/2025	
Takoma Park Elementary School 4	S	FUND	REDE	10/27/2022	10/27/2025	
Urciolo Properties	S	IBAS	REDE	2/11/2021	2/11/2024	
Urciolo Properties	S	IBAS	REDE	2/11/2021	2/11/2024	
Cristo Rey H.S. Bio 1	E	MSWB	REDE	6/13/2020	6/13/2023	Letter
Cristo Rey H.S.Filter 2	E	ITRN	REDE	6/13/2020	6/13/2023	Letter
MNCPPC-Piney Branch Park 1	E	MSWB	REDE	10/26/2022	10/26/2025	MNCPPC BOFILTRATION SWALE
MNCPPC-Piney Branch Park 2	E	MSWG	REDE	10/26/2022	10/26/2025	MNCPPC Curlex/Grass Lined Swale
MNCPPC-Piney Branch Park 3	E	ODSW	REDE	10/26/2022	10/26/2025	MNCPPC Dryswale
MNCPPC-Piney Branch Park 4	E	ODSW	REDE	10/26/2022	10/26/2025	MNCPPC Dryswale
MNCPPC-Piney Branch Park 5	E	ODSW	REDE	10/26/2022	10/26/2025	MNCPPC Dryswale
Walgreen's - 1329 E. University	E	AGRE	REDE	10/26/2022	10/26/2025	
Washington Adventist University-7707 Greenwood	S	FUND	REDE	8/20/2021	8/20/2024	
Gateway Properties-8435 Piney Branch	E	APRP	REDE	10/26/2022	10/26/2025	
Montgomery Housing (MHP)-7610 Maple1	E	MENF	REDE	8/11/2020	8/11/2023	7610 filtera l grass swale
Montgomery Housing (MHP)-7610 Maple 2	E	MENF	REDE	8/11/2020	8/11/2023	7610 filtera 1 grass swale
Montgomery Housing (MHP)-7610 Maple 3	E	MENF	REDE	8/11/2020	8/11/2023	7610 filtera 1 grass swale
Montgomery Housing (MHP)-7610 Maple 4	E	MENF	REDE	8/11/2020	8/11/2023	7610 filtera 1 grass swale Letter
7411-7419-7423-7425-7427 Aspen Ct MHP 1	E	MIDW	REDE	10/26/2022	10/26/2025	MHP Aspen Court 7 BMPS 1
7411-7419-7423-7425-7427 Aspen Ct MHP2	E	MIDW	REDE	10/26/2022	10/26/2025	MHP Aspen Court 7 BMPS-2
7411-7419-7423-7425-7427 Aspen Ct MHP 3	E	MIDW	REDE	10/26/2022	10/26/2025	MHP Aspen Court 7 BMPS-3
7411-7419-7423-7425-7427 Aspen Ct MHP 4	E	MIDW	REDE	10/26/2022	10/26/2025	MHP Aspen Court 7 BMPS-4
7411-7419-7423-7425-7427 Aspen Ct MHP 5	E	MIDW	REDE	10/26/2022	10/26/2025	MHP Aspen Court 7 BMPS-5
7411-7419-7423-7425-7427 Aspen Ct MHP 6	E	MIDW	REDE	10/26/2022	10/26/2025	MHP Aspen Court 7 BMPS-6
7411-7419-7423-7425-7427 Aspen Ct MHP 7	E	ARRP	REDE	10/26/2022	10/26/2025	MHP Aspen Court 7 BMPS-7

BMP_NAME	BMP_CLASS	BMP_TYPE	CON_PURPOSE	LAST_INSP_DATE	REINSP_DATE	GEN_COMMENTS
MNCPPC- 7515 Hancock Opal Daniels Playground	E	MILS	REDE	10/26/2022	10/26/2025	
6822 New Hampshire Avenue	E	MMBR	REDE	10/27/2022	10/27/2025	
127 Ritchie Avenue	E	MIDW	NEWD	2/11/2021	2/11/2024	
6608 Poplar Avenue 1	E	MIDW	NEWD	2/28/2021	2/28/2024	
6608 Poplar Avenue 2	E	MIDW	NEWD	2/28/2021	2/28/2024	
6608 Poplar Avenue 3	E	MIDW	NEWD	2/28/2021	2/28/2024	
6507 Highland Avenue 1	E	MIDW	NEWD	2/22/2021	2/22/2024	
6507 Highland Avenue 2	E	MIDW	NEWD	2/22/2021	2/22/2024	
Cristo Ray High School Bio 1	E	MMBR	REDE	11/20/2020	11/20/2023	as built received 11/20/20 Letter OCTOBER 9
Cristo Ray High School Bio 2	E	MMBR	REDE	11/20/2020	11/20/2023	as built received 11/20/20 Letter
Montgomery College P3	E	MMBR	REDE	10/15/2021	10/15/2024	
7020 New Hampshire Avenue	E	MIDW	NEWD	10/26/2022	10/26/2025	Inspection letter As Built
Washington Adventist University 7600 Flower Ave	E	MSWB	REDE	8/20/2021	8/20/2024	
Taco Bell Takoma Park	E	MMBR	REDE	3/1/2021	3/21/2024	
121 Grant Avenue	E	MILS	NEWD	2/12/2021	2/12/2024	
7305 Jackson Avenue 1	E	MMBR	NEWD	8/26/2022	8/26/2025	as-built 8/26/2022t
7305 Jackson Avenue 2	E	MMBR	NEWD	8/26/2022	8/26/2025	as-built 8/26/2022t
7303 Jackson Avenue 1	E	MMBR	NEWD	8/26/2022	8/26/2025	as-built 8/26/2022t
7303 Jackson Avenue 2	E	MMBR	NEWD	8/26/2022	8/26/2025	as-built 8/26/2022t
17 Lee Avenue-Resubmission CCPC 1	E	MIDW	NEWD	7/7/2022	7/7/2025	AS Built 7/7/2022
17 Lee Avenue-Resubmission CCPC	E	ARRP	NEWD	7/7/2022	7/7/2025	AS Built 7/7/2022
7-11 Takoma Park	E	FBIO	REDE	8/11/2021	8/11/2024	AS Built pending approval
36 Philadelphia Avenue	E	MILS	NEWD	5/17/2021	5/17/2024	
Takoma Park Middle School	E	FBIO	REDE	5/3/2022	5/3/2025	AS Built 5//3/2022
Takoma Park Middle School	E	FBIO	REDE	5/3/2022	5/3/2025	AS Built 5//3/2022
6506 Kansas Lane	E	FBIO	NEWD	3/3/2021	3/23/2024	AS-BUILT 3/3/21
121 Geneva Ave Lot 34 -1	E	MIDW	NEWD	12/2/2022	12/2/2025	As Built 12/2/2022
121 Geneva Ave Lot 34 -2	E	MIDW	NEWD	12/2/2022	12/2/2025	As Built 12/2/2022
121 Geneva Ave Lot 34 -3	E	MIDW	NEWD	12/2/2022	12/2/2025	As Built 12/2/2022
123 Geneva Ave Lot 35 -1	E	MIDW	NEWD	12/2/2022	12/2/2025	As Built 12/2/2022
123 Geneva Ave Lot 35 -2	E	MIDW	NEWD	12/2/2022	12/2/2025	As Built 12/2/2022
123 Geneva Ave Lot 35 -3	E	MIDW	NEWD	12/2/2022	12/2/2025	As Built 12/2/2022
127 Geneva Ave Lot 37-1	E	MIDW	NEWD	12/2/2022	12/2/2025	As Built 12/2/2022
127 Geneva Ave Lot 37-2	E	MIDW	NEWD	12/2/2022	12/2/2025	As Built 12/2/2022
127 Geneva Ave Lot 37-3	E	MIDW	NEWD	12/2/2022	12/2/2025	As Built 12/2/2022
6494 New Hampshire Avenue RAC	E	MMBR	REDE	2/8/2021	2/28/2024	As Built 2/8/2021
6494 New Hampshire Avenue RAC 2	E	MMBR	REDE	2/8/2021	2/28/2024	As Built 2/8/2021
125 Geneva Ave Lot 36-1	E	MIDW	NEWD	12/2/2022	12/2/2025	As Built 12/2/2022
125 Geneva Ave Lot 36-2	E	MIDW	NEWD	12/2/2022	12/2/2025	As Built 12/2/2022
125 Geneva Ave Lot 36-3	E	MIDW	NEWD	12/2/2022	12/2/2025	As Built 12/2/2022
HILLWOOD MANORE playground park		MILS	REDE	10/19/2022	10/19/2025	As Built10/19/2022
7018 Poplar Ave-1	E	MMBR	REDE	2/9/2022	2/9/2025	As Built 02/09/2022
7018 Poplar Ave-2	E	MMBR	REDE	2/9/2022	2/9/2025	As Built 02/09/2022
7018 Poplar Ave-3	E	MIDW	REDE	2/9/2022	2/9/2025	As Built 02/09/2022

BMP_NAME	BMP_CLASS	BMP_TYPE	CON_PURPOSE	LAST_INSP_DATE	REINSP_DATE	GEN_COMMENTS
Silver Spring Intermediate Neighborhood Park-1	E	MMBR	REDE	8/13/2021	8/13/2024	As Buil 8/13/2025
Silver Spring Intermediate Neighborhood Park-2	E	MMBR	REDE	8/13/2021	8/13/2024	As Buil 8/13/2025
7000 woodland avenue-1	E	MIDW	NEWD	5/8/2023	5/8/2026	As Built 5/08/2023
7000 woodland avenue-2	E	FBIO	NEWD	5/8/2023	5/8/2026	As Built 5/08/2023
ALTERNATIVE BMP↓						
Stream Restoration - New York & Baltimore	A	STRE	REST	10/26/2022	10/26/2025	
Outfall Stabilization at Cristo Ray High School	A	OUT	REST	10/10/2022	10/10/2025	
Stream Restoration - Mississippi- Compton Branch	A	STRE	REST	3/16/2023	7/16/2024	
Outfall Stabilization at Linden Avenue	A	OUT	REST	10/11/2022	10/11/2025	
Stream Restoration -Circle Woods	A	STRE	REST	9/11/2022	9/11/2025	
Stream Restoration - Hayward	A	STRE	REST	2/4/2022	3/4/2025	
Outfall & grouted step pool at Dog Park	A	OUT	REST	10/17/2023	10/17/2024	
Tree Planting	A	FPU	REST	NA	NA	
Street Sweeping	A	VVS	REST	NA	NA	
Outfall Stabilization at Hilltop	A	OUT	REST	10/17/2023	10/17/2024	
Tree Planting	A	FPU	REST	NA	NA	
Tree Planting	A	FPU	REST	NA	NA	
Storm Drain - Vacuum	A	SDV	REST	NA	NA	
Tree Planting	A	FPU	REST	NA	NA	
Outfall Stabilization -Glenside Merwood	A	OUT	REST	9/28/2023	9/28/2024	
Outfall Stabilization -Glenside Haverford	A	OUT	REST	9/25/2023	9/25/2024	
Outfall Stabilization-Glenside Jackson	A	OUT	REST	9/18/2023	9/18/2024	
Tree Planting	A	FPU	REST	NA	NA	
Outfall Stabilization Cockerille -Circlewoods	A	OUT	REST	9/20/22	9/20/2024	
Tree Planting	A	FPU	REST	NA	NA	
Tree Planting	A	FPU	REST	NA	NA	
Stream Restoration - Takoma Branch	A	STRE	REST	9/10/23	9/10/26	

City of Takoma Park RESPONSE TO REVIEW COMMENTS
Small Municipal Separate Storm Sewer System (MS4) Permit
Maryland Department of the Environment (Department) Review of
Fiscal Year (FY) 2022 MS4 General Permit Progress Report

The City's response to review comments are noted below each item

REPORTING

1. The City of Takoma Park ("Takoma Park" or "The City") submitted a complete Progress Report Form and included a signature for the appropriate responsible personnel and contact information. This information is required to be updated annually.
2. The next Progress Report is due on October 31, 2023 and must include updates to the impervious area restoration program and responses to comments outlined below.

Items 1,2 – *comments noted*

SECTION I: IMPERVIOUS AREA RESTORATION REPORTING

3. The City of Takoma Park calculated an impervious area restoration target of 110 acres based on a total untreated impervious area baseline of 467 acres. The City identified potential projects that will restore 101 acres by 2025 including 46 acres of completed projects.

comment noted

4. In the next Progress Report the City must demonstrate a plan to meet the restoration target by 2025, including the remaining 9 acres, to meet the permit. The City estimated the target will be met by 2027, with a further 24 additional acres planned by 2032. The City indicated that in September 2020, resources were diverted to deal with a significant flash flooding event and as a result, the City will be unable to complete 20% restoration by 2025. While the Department recognizes unforeseen circumstances can occur that require immediate attention, the permit requires the City to plan to restore 20% of its impervious area by 2025. The City indicated in its Work Plan that it will submit a list of remaining projects to meet the 20% restoration target in the next Progress Report. To meet the permit requirement, the City must submit a plan and an updated RAS in the next Progress Report demonstrating how it plans to meet the restoration target by 2025.

As discussed during our virtual meeting of March 16, 2022 due to the factors reported in 2021 report the city will not be able to meet the 20% restoration target by 2025. The factors discussed included:

- *Delayed Water Quality Treatment projects due to the pandemic impacts to our staffing and contractor*
- *Revision of the alternative treatment credit computations.*
- *The need to redirect staff efforts and City's resources to address flooding problems in 2020*

As a result, based on our projected work schedule, the City will fall short of the required 20% treatment goal by 2025. The City will submit an updated RAS with this Progress Report. The City will develop a plan with projects identified that will meet the required target by 2030. This new target will consist of 10% of the impervious area base line or 54.7 acres plus the difference of 2025 permit target and IA treatment provided during this period. IF APPROVED THE NEW TARGET WILL BE SET AT 61.2 acres

5. The Work Plan was submitted in the required format and described restoration activities over the five-year permit term. In the fifth year, the City planned to submit a list of remaining projects to meet the 20% restoration target, hire a contractor to conduct a Stormwater Resiliency Study, expand its street sweeping and tree planting programs, and implement outfall stabilization and stream restoration projects.

comment noted

A revised RAS is submitted with this report. The City contracted with LIDC for a Stormwater Resiliency Study which will be completed in Fall of 2023.

Street sweeping with newly acquired EV sweeper is in progress.

City will continue to develop and schedule Outfall Stabilization and Stream restorations projects.

6. A Restoration Activity Schedule (RAS) was submitted in the required format.

a. The City listed 4 outfall stabilization that it has taken credit for that are located on Maryland National-Capital Parks and Planning Commission (MNCPPC) property, the projects were approved by MNCPPC and funded by the City. The City planned to develop a Memorandum of Understanding (MOU) this year between the City and MNCPPC. Submit a copy of the MOU in the next Progress Report.

The City and MNCPPC will continue to collaborate on projects that are on MNCPPC's property on the basis of the permit obtained. An MOU was not obtained.

b. Please continue to plan for restoration implementation beyond 2025. An updated RAS submitted in the 2023 Progress Report should provide an estimate of impervious area restoration implementation through 2030. The Department recommends that the City should plan for additional restoration equivalent to 10% by 2030. This information will help to inform future permit requirements.

The City developed an updated restoration plan for the 2023 Progress Report that include an estimate of impervious area to be restored. The City will comply with recommendation of the Department regarding additional 2030 target restoration equivalent to 10% of the current baseline plus the shortfall credit for this permit. The 10% of the current baseline target is equal to 54.7 acres. The deficiency from 2025 permit is 6.5 acres of Impervious area restoration. The target impervious area restoration through 2030 is, therefore, set at 61.2 acres. As the actual implementations occurs, target restorations will be revised.

7. The BMP database was submitted in the proper format. Please correct the following:

a. All 136 BMPs had a current triennial inspection date, and all had a Passing status.

The City is congratulated for this significant effort.

comment noted

b. The City reported for Minimum Control Measure 5 that there were 174 BMPs in the jurisdiction and the database were complete and up to date. However, only 136 were listed in Table B.1.a of the BMP database. Please clarify the total number of BMPs. Ensure all BMPs are entered in the database and provide a status update in the next Progress Report.

<i>No. Of Permits</i>	<i>42 Permits</i>
<i>Permitted</i>	<i>82 BMPs</i>
<i>Public</i>	<i>95 BMPS</i>
<i>Alternative</i>	<i>22</i>

Currently 42 permitted facilities that are listed reflect 82 permitted BMPs. There are also 95 Public BMPs as well as 22 Alternative BMPs.

In the 2023 report all BMPs completed will be entered in the database and status will be update The projects will be included after completion. Table B.1.a of the BMP database will be revised to reflect all BMPs associated with permitted facilities clearly.

MCM #1: Personnel Education and Outreach

8. The City provided sufficient information to demonstrate compliance with this MCM.

comment noted.

9. The City distributed outreach to the public through various channels including by mail, newsletter, website, and during stakeholder meetings.

comment noted.

10. The City shall continue to implement this program and provide an update in future Progress Reports as requested by the Department.

comment noted

MCM #2: Public Involvement and Participation

11. The City provided sufficient information to demonstrate compliance with this MCM.

comment noted.

12. The City engaged 125 participants including 8 staff in public activities to plant 221 trees and clean approximately 2,640 feet of stream.

comment noted.

MCM #3: Illicit Discharge Detection and Elimination (IDDE)

14. Further information listed below must be submitted in the next Progress Report to demonstrate compliance with permit requirements.

comment noted.

15. The City must establish a local code or ordinance that prohibits illicit connections and non-stormwater discharges to the MS4 and that authorizes the City to inspect and enforce to ensure compliance.

Noted. The City has started the process for adoption of an ordinance that prohibits illicit connections and non-stormwater discharges to the MS4 and that authorizes the City to inspect and enforce to ensure compliance. The City will submit a draft ordinance to MDE prior to adoption. The council has included adoption of the ID Ordinance for September Schedule

16. The City screened all 78 outfalls, observed 37 dry weather flows, and determined 36 were illicit discharges. A summary of results was provided.

comment noted.

17. The City shall continue to implement this program and provide an update in future Progress Reports as requested by the Department.

comment noted.

MCM #4: Construction Site Stormwater Runoff Control

18. The City provided sufficient information to demonstrate compliance with this MCM.

comment noted

19. The City responded to three complaints by visiting the respective sites and coordinating with Montgomery County to resolve the issues. A summary was provided.

comment noted

20. The City shall continue to implement this program and provide an update in future Progress Reports as requested by the Department.

comment noted

MCM #5: Post Construction Stormwater Management

21. The City provided sufficient information to demonstrate compliance with this MCM.

comment noted

22. The City reported 33 triennial inspections were done on 174 existing BMPs; no violations were issued.

comment noted

23. The City described maintenance of public bioretention BMPs is done multiple times per year and as needed for Filterstrips and stream restorations but at least every three years. The City inspects and maintains any private BMPs where there is no response from the owner or maintenance is inadequate. In-house inspection and maintenance efforts are supplemented with support from contractors for specialized inspections. This process meets the requirements of the permit.

comment noted

24. The City shall continue to implement this program and provide an update in future Progress Reports as requested by the Department.

comment noted

MCM #6: Pollution Prevention and Good Housekeeping

25. The City provided sufficient information to demonstrate compliance with this MCM.

comment noted

26. The City described property management activities including inlet cleaning and training.

comment noted

27. The City shall continue to implement this program and provide an update in future Progress Reports as requested by the Department.

comment noted

FINANCIAL INFORMATION

28. The City reported the total cost at this time includes \$4.6M for restoration activities and \$1.4M to implement the Minimum Control Measures. The Department commends the City for its commitment to maintaining program funding. Please continue to report cost information in future Progress Reports as requested by the

comment noted