Annual Report Template
District of Columbia Municipal Separate Storm Sewer System
NPDES Permit Number DC0000221

Reporting Period July 1:	2023	to June 30:	2024	Report Submittal Date	12/01/2024

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Part 1 DISCHARGES AUTHORIZED UNDER THIS PERMIT

	Yes	No
1. Per Section 1.4.3 of the permit, does the Permittee certify that there are sufficient finances, staff, equipment, and support capabilities to implement the provisions of this permit?	☑	☐

2. Per Section 1.5.3.1 of the permit, fill in only the boxes for prior and current years. Leave boxes for future years empty. PROW acres may also be reported for respective major basins, as relevant. Acres Managed should include all types of installations detailed in Section 3.2 of the permit.

Acres Managed Permit Limits
Annual Report Year (Year in which the report is due)

	2024	2025	2026	2027	2028
Anacostia River	134.16				
Potomac River	23.24				
Rock Creek	7.90				
Public Right-of-Way	87.80				

3. Net Tree Plantings in the MS4 Permit Area (Section 1.5.3.2)

2024	2025	2026	2027	2028	Total net tree plantings to date this permit term
6,660					6,660

	Yes	No
Are tree plantings included in the estimate of Acres Managed in #2?	☑	☐

4. Per Section 1.5.3.3 of the permit, fill in only the boxes for prior and current years. Report the same permit limits for prior years as reported in those annual reports. Leave boxes for future years empty.					
Pounds of Trash Permit Limit Annual Report Year (Year in which the report is due)					
	2024	2025	2026	2027	2028
Pounds of trash captured, removed, or prevented from entering the Anacostia River	1,931,887				

	Yes	No
5. Are tables for all WLA benchmarks attached to this annual report?	☑	☐

Part 2 STORMWATER MANAGEMENT PLANNING

1. For the Annual Report due December 1, 2025:	Yes	No
a. Is the Stormwater Fee Status Update (Permit Section 2.2.3) attached? Not Due	☐	☑
b. Are results of the pilot project to test alternatives for ice and snow management (Permit Section 2.6) attached? Not Due	☐	☑
c. Did the permittee submit QAPPs consistent with Permit Sections 4.3 and 4.4.1.1? DOEE is expecting to submit the Discharge Monitoring QAPP in February 2025, see further explanation in Part 4 Question 17.	☐	☑
d. Was targeted pet waste disposal education/outreach conducted in the Fort Chaplin catchment area? (Permit Section 4.5.2) Not Due	☐	☑

2. For the Annual Report due December 1, 2026:	Yes	No
a. Was the FloodSmart Homes Program (permit Section 2.7.2) completed? Not Due	☐	☑
b. Was the illicit discharge investigation for the Rock Creek watershed (Permit Section 4.5.2) completed? Are results attached? Not Due	☐	☑

3. For the Annual Report due December 1, 2027:	Yes	No
a. Was an Analysis of the impacts of increasing the Retention Standard to 2 inches (Permit Section 2.2.4.3) completed and submitted to EPA? Not Due	☐	☑
b. Has the strategy to support diversity, equity, inclusion, and justice into CWA objectives (Permit Section 7.3.2) been completed? Not Due	☐	☑

4. For the Annual Report due December 1, 2028:	Yes	No
a. Were updates to the stormwater regulations (Permit Section 2.2.4) proposed? Not Due	☐	☑

b. Has the stormwater piping infrastructure maintenance program (Permit Section 3.3.6) been completed? Not Due	☐	☑
c. Was the Consolidated TMDL Implementation Plan revised and made available for public notice during the reporting period? (Permit Section 2.2.5) Not Due	Yes ☐	No ☑
d. List date of notice and link to document below: Not Due		
e. Was the Stormwater Management Program Plan revised and made available for public notice during the reporting period? (Permit Section 2.9) Not Due	Yes ☐	No ☑
f. List date of notice and link to document below: Not Due		

5. For the Annual Report due December 1, 2029:		
a. Has the development of a comprehensive flood model (Permit Section 2.7.1.1) been completed? Not Due	Yes ☐	No ☑
b. Has the Permittee identified actions for areas of high flood risk that could minimize water quality impacts of a flood event? (Permit Section 2.7.1.2)	Yes ☐	No ☑
c. Has the Permittee identified areas of highest risk as candidates for stormwater management plans? (Permit Section 2.7.1.3) Not Due	Yes ☐	No ☑
d. List the candidates below: N/A		
e. Was the illicit discharge investigation completed for the Fort Dupont and Fort Chaplin catchment areas? (Permit Section 4.5.2) Not Due	Yes ☐	No ☑

Not Due

6. Per Section 2.2.1 of the permit, on maintaining and refining the TMDL Implementation Plan Modeling Tool, provide a short status update.

• Updated the TMDL inventory to include allocations from the 2024 “TMDL for Organics and Metals in the Anacostia River Watershed” (https://doee.dc.gov/publication/anacostia-watershed-organics-and-metals-tmdl).
• Updated the BMP inventory to account for ongoing BMP implementation and retirement.
• The process for streamlining tree data imports into the Implementation Plan Modeling Tool (IPMT) was started last year and continued into this reporting year. For this reporting year, all trees were included in the Surface and Groundwater System and manual tree data entries were no longer needed when updating the IPMT BMP inventory.

7. Per Section 2.2.5.1 of the permit, have any TMDLs with MS4 WLAs been approved during this permit year?	Yes ☑	No ☐

a. If so, list the TMDL(s) and briefly note measures taken to develop milestones and benchmarks

TMDL for Organics and Metals in the Anacostia River Watershed (2024)
Due to the relatively late approval of this TMDL as compared to the end of DOEE’s annual reporting period, the benchmarks for the revised MS4 WLA included in the TMDL report are still in the process of being updated in the IPMT and Annual Report analyses. For this annual report, these benchmarks remain unchanged from last year. Updates to the relevant benchmarks are projected to be ready in time for the 2025 Annual Report.
Updated milestones were incorporated into this Annual Report based on the numeric limits presented in Subsection 1.5.3.1 of the permit. The 5-year acres managed limits were converted to 1-year milestone targets for the Anacostia River, Potomac River, and Rock Creek.

8. Per Section 2.3 of the permit, on maintaining and implementing the SISR program, provide a short status update.
DOEE reviewed 210 SISR submissions during the reporting period ,of which 80 submissions were for stormwater control measures in the MS4, four were included in our quarterly program audit, and one was found non-compliant. Any instances of non-compliance are handled in a manner consistent with Chapter 5 of Title 21 of the District of Columbia Municipal Regulations (DCMR). The DOEE Inspection and Enforcement Division (IED) is developing a SISR certification process to increase service contractor participation in the voluntary program. In January 2024, a SISR training was conducted for a local developer and property management company. DOEE is continuously making improvements to our online portals.

9. Per Section 2.4 of the permit, list the number of PROW projects in the MS4 Permit Area that utilized Optimal Designs during this reporting period.
One (1) site - Blaine Street NE

	Yes	No
10. Per Section 2.5.1.1 of the permit, did the Permittee utilize its mobile application for tracking and estimating material removed from catch basins during the reporting period?	☑	☐
11. Per Section 2.5.1.2 of the permit, did the Permittee utilize its mobile application for estimating the amount of pollutant reductions achieved from catch basin cleaning during the reporting period?	☑	☐
a. Is the list of pollutants and estimated reductions attached to the Annual Report?	☑	☐
b. If not, list any issues encountered and/or concerns with the program		
During the months of January 2024 through June 2024, DC Water was consistently short of catch basin cleaning vehicles. This led to DC Water falling behind schedule. In the spring months of April, May, and June, DC Water deployed additional crews from investigation, sewer cleaning, and sewer repair divisions in pick-up trucks to perform inspections of the catch basins in the MS4 area. These crews were not trained in using the Mobile cleaning application and used paper maps to identify and document the condition of catch basins. Catch basins documented without the Mobile App were processed through the Computer Asset Management System. Part 3, Question 18c - This number of catch basins cleaned calculated using the mobile app is an underestimate of total catch basins cleaned in the MS4.		
12. Per Section 2.7.2 of the permit, how many homes were enrolled in the FloodSmart Homes Program during the reporting period?	42 received assessments	

Part 3 STORMWATER MANAGEMENT PROGRAM IMPLEMENTATION

	Yes	No
1. Per Section 3.2.1.1, is the performance status, including on-site and off-site retention volumes, of all projects subject to the District stormwater regulations posted on the District stormwater website?	☑	☐
2. Per Section 3.2.1.3, does the Permittee maintain a database to track the review, inspection, and performance of each project subject to the stormwater regulations? Please provide URL for database:	☑	☐

https://doee.dc.gov/sgs		

3. Per Section 3.2.1.2, how many site plan reviews were submitted for projects in the MS4 Permit Area during this reporting period?	102	reviews
a. How many of these projects were in public rights-of-way?	2	projects
b. How many site plans were finally approved during this reporting period?	104	approvals

4. How many gallons were retained for development projects completed in the MS4 Permit Area this reporting year subject to the requirements of Sections 3.2.2, 3.2.4 and 3.2.5 of the permit?		
a. Total on-site retention	2,013,659	gallons
b. Total off-site retention	8,028	gallons

5. Per Section 3.2.3., is the SRC program (including the SRC Price Lock and SRC Aggregator programs) still implemented?	Yes ☑	No ☐
a. Provide a brief description of the status.		
DOEE has enrolled 18 projects in the SRC Price Lock program at the time of this report, with 14 projects receiving a purchase agreement and 4 projects receiving a subsidy agreement. To date, participants have installed green infrastructure to manage 29.24 acres with another 14.74 acres in design, permitting, or construction. Note: Since the 2023 MS4 Annual Report, an SRC Aggregator decided not to move forward with 5 projects enrolled in SRC Price Lock. DOEE is in the process of reallocating the reserved funding to support new SRC Price Lock projects.		
b. At the end of this reporting period how many SRCs more than 1-year old are going unused?	176,767	SRCs

6. Per Section 3.2.6 of the permit, have any modifications been made to the District's *Stormwater Management Guidebook* during this reporting period?	Yes ☐	No ☑
a. If so, provide a brief summary of changes.		
7. Per Section 3.2.7 of the permit, have any modifications been made to the District's Green Area Ratio program during this reporting period?	Yes ☑	No ☐
a. If so, provide a brief summary of changes.		
The GAR regulatory rulemaking process commenced with drafting revisions to the GAR regulations and updating the program's technical guidelines, including the GAR Guidebook. A significant achievement in this period is the successful expansion of the crediting scope to include GAR stormwater BMPs previously unrecorded in stormwater management plans (SWMPs). These BMPs are now effectively incorporated into MS4 program reporting. These efforts ensure that the GAR program supports the MS4 permit's objectives by improving stormwater management while maintaining flexibility for developers and designers to install green practices.		

8. Per Section 3.2.9 of the permit, did the Permittee make any changes to its suite of RiverSmart programs during this reporting period?	Yes ☐	No ☑

a. If so, provide a brief summary of changes.

9. Per Section 3.2.10 of the permit, as relevant, provide specific metrics (miles, square feet) for any stream, buffer, or floodplain restoration projects for which the Permittee claims either Acres Managed credits or pollutant reduction credits during this reporting period.	Units The Park Drive 2 stream restoration project was completed in June 2024 and consists of three reaches in Fort Davis Tributary with a restored length of 1079.8 feet and one reach in Texas Avenue Triabutary with a restored length of 306.1 feet. This stream restoration project contributes 2.1 acres managed.	
a. Are these projects included in the estimates of acres managed in question #2 in Part 1?	Yes ☑	No ☐

10. Per Section 3.2.11 of the permit, were at least two projects implemented in priority watersheds during this reporting period?	Yes ☑	No ☐
a. Provide a brief description of the activity:		
Hamlin Street/Langdon Park Retrofit: Two stormwater retrofit projects using Low Impact Development (LID) were constructed at Hamlin Street, NE and Hickey Lane, NE to maximize stormwater capture. Hendley Elementary School River Smart Schools: Hendley Elementary School removed 16,316 square feet of impervious surface and created a bioretention basin with native meadow planting, canopy trees, an ADA ramp, and an outdoor learning lab. The outcomes include: 898 gallons of stormwater treatment volume, 32,225 square feet of contributing drainage area improved, 16,316 square feet of impervious surface removed, 25 new canopy trees planted, 85 Pre-K through 4th graders participated in preparing the meadow and planting seedlings, 4 teachers trained on how to use the new outdoor learning lab, and school administrators created a schedule for equitable access to the new outdoor learning lab.		

11. Per Section 3.3.1 of the permit, how many SSOs to the MS4 occurred during this reporting year?	25	overflows	
a. Were responses consistent with the requirements of Section 3.3.1 of the permit?		Yes ☑	No ☐

12. Per Section 3.3.2 of the permit, provide the number of District-owned, operated, and leased facilities and job sites within the MS4 Permit Area that conducted industrial activities during this reporting period.	37	facilities/ sites		
a. Provide the number of these facilities with Stormwater Pollution Prevention Plans meeting the requirements of Section 3.3.2.2 a-e of the permit, or the MSGP.	37	facilities/ sites		
b. If not all facilities have SWPPPs, are they being developed?		Yes ☐	No ☐	N/A ☑
c. Do all facilities conduct at least quarterly self-inspections per Subsection 3.3.2.3?		Yes ☑	No ☐	
d. If you answered ‘no’ to either of the questions above, describe corrective actions being taken.				

N/A

13. Per Section 3.3.2.4 of the permit, have wash water discharges to the MS4 from District operations been identified and addressed in an effort to effectively eliminate these illicit discharges?	Yes ☐	No ☑
a. Please describe all corrective actions being taken.		
No washing signs have been developed and facility personnel are trained on illicit discharges, but occasional vehicle washing still occurs. A list of potential discharge prevention actions, including utilizing spigot covers, has been provided to facilities.		

14. Per Section 3.3.2.5, provide the number of regulatory BMP maintenance inspections of District industrial operations this reporting period.	9	inspections
a. Number of corrective actions taken?	1	actions

15. Per Section 3.3.2.6, is the Permittee maintaining a database inventory of all municipal operations that conduct industrial activities and/or are considered critical sources?	Yes ☑	No ☐

16. Per Section 3.3.2.7 of the permit, are appropriate records being retained?	Yes ☑	No ☐

17. Per Section 3.3.3 of the permit, are those facilities under the purview of DOEE utilizing pesticides, herbicides, and fertilizers consistent with District IPM regulations?	Yes ☑	No ☐
a. Number of Integrated Pest Management Plans being implemented by those applicable facilities.	17	plans

18. Per Section 3.3.4 of the permit, how many catch basins are in the MS4 Permit Area?	15,128	basins
a. During this reporting year, how many of those catch basins were inspected?	14,696	basins
b. During this reporting year, how many of those catch basins were repaired?	296	basins
c. During this reporting year, how many of those catch basins were cleaned?	3,738	basins
d. What is the total estimated volume or weight of material removed from the catch basins that were cleaned?	670,950	gallons
	897	tons

e. Has the GIS-based mobile field application been implemented to track catch basin maintenance activities?	Yes ✔	No ☐

19. Per Section 3.3.4.3 of the permit, describe any modifications to catch basin cleaning frequencies.
None

20. Per Section 3.3.5 of the permit, how many MS4 outfalls are in the MS4 Permit Area?	575	outfalls
a. During this reporting year, how many of those outfalls were repaired, i.e., repairs completed?	4	outfalls
b. What is the cumulative number of outfalls with repairs completed in this permit term?	4	outfalls

21. Per Section 3.3.7 of the permit, provide miles of streets swept in the MS4 Permit Area in this reporting year:	11,020	miles

22. Per Section 3.3.8 of the permit, are transportation and utility construction activities inspected to ensure that they are implementing all appropriate soil erosion and sedimentation control measures?	Yes ✔	No ☐
a. Describe correction actions being taken when concerns are identified.		
DOEE inspects permitted Transportation (DDOT) and Utility (DC Water/Pepco) projects that require an Erosion and Sediment Control plan for land disturbances. This includes large excavations (e.g. Douglass Bridge/West Potomac Tunnel), and linear projects (e.g. DC Water Lead Line Replacement/PEPCO DC Plug). Emergency activities are covered under a blanket permit and are typically not reported. Pre-construction meetings are held with the plan owners and stakeholders to inform them of potential non-compliance issues and inspections schedule, including Compliance Monitoring Inspections, Final Inspection and closing documents needed where applicable. Additionally, larger projects (5000 sq/ft or more) are required to have on-site or available, Third-Party inspectors responsible for the ESCP compliance and may coordinate with DOEE for reporting ESCP self inspections. Land disturbances for construction sites vary in their constraints and potential for noncompliance and therefore require dynamic measures to ensure proper ESC compliance. This includes adding, removing, or changing of ESC best practices. Therefore, communicating concerns and expectations with the responsible parties, and using enforcement tools, including compliance assistance when violations are observed, promotes permit compliance and the best outcomes for the DOEE land disturbance plans.		

23. Per Section 3.3.9 of the permit, describe any modifications to water quality-related elements of the District's snow and ice management activities and policies during this reporting period.
None

24. Per Section 3.4 of the permit, is the Permittee maintaining an up-to-date inventory of all facilities in the MS4 Permit Area that are defined in the permit as critical sources?	Yes ✔	No ☐
a. Number of inspections of critical source facilities conducted during this reporting year.	101	inspections
b. Number of problems identified during these inspections.	70	problems

c. How many of these problems were resolved?	70	resolved
d. How many are still pending?	0	pending

25. Per Section 3.5.2 of the permit, how many erosion and sediment control plan reviews were completed during this reporting year for projects in the MS4 Permit Area?	622	reviews
a. How many plans were approved?	600	approved
26. Per Section 3.5.3 of the permit, how many site inspections were conducted in the MS4 Permit Area?	397	inspections
a. How many construction site compliance inspections were conducted in the MS4 Permit Area?	2826	inspections
b. Were routine compliance monitoring inspections performed at the appropriate frequency depending on size of disturbance?		Yes ☑ No ☐
c. How many construction site follow-up inspections were conducted in the MS4 Permit Area?	2,398	inspections
d. How many construction site final inspections were conducted in the MS4 Permit Area?	427	inspections
e. How many inspections identified compliance problems?	487	inspections
27. Per Section 3.5.4 of the permit, how many enforcement actions (NOVs, Stop Work Orders, etc.) were initiated?	130	actions

28. Per Section 3.6.1 of the permit, is the Permittee maintaining an up-to-date inventory of all outfalls in the MS4 Permit Area and all illicit discharge information?		Yes ☑ No ☐
a. How many outfalls are included in the geospatial inventory?	575	outfalls
29. Is the Permittee implementing a system for reporting illicit discharges?		Yes ☑ No ☐
a. Number of reports received through the reporting system during this reporting period.	0	reports
b. Number of illicit discharges identified through all mechanisms during this reporting year.	87	identified
c. Number of illicit discharges eliminated during this reporting year.	87	eliminated

30. Per Section 3.6.2 of the permit, summarize illegal disposal incidents documented and corrective actions during this reporting period.
DOEE, MPD Environmental Crimes Unit, and DPW collaborate on implementation of an illegal dumping enforcement program called DumpBusters. The involvement of all three agencies allows for efficient use of District resources and effective use of both civil and criminal penalties to abate illegal dumping. The program tackles dumping via a three pronged approach, focusing on remediation and mitigation via debris cleanups by DPW, dumping prevention via knowledge building through signage and community outreach, and enforcement via surveillance and subsequent fines and arrests. In the reporting year MPD and DPW collaborated on removing more than 30 dumpsites with a significant focus on Wards 5 and 7. Dumpsites were removed along Fairlawn Avenue, Highway 295 and Suitland Parkway. Signage and surveillance was installed throughout the District.

31. Per Section 3.7.1.1 of the permit, provide annual trash reductions in the Anacostia River basin for this reporting year. Totals should be reported under Question #4 in Part 1.		
Annual Trash Reductions in the Anacostia River Basin		
	Trash Removed (pounds)	Annual Load Reduction (pounds)
Trash Traps	5,766	5,766
Environmental Hot Spots	3,018	3,018
Clean-up Events	127,759	87,794
Skimmer Boats	336,000	164,925
Clean Teams Program	3,455,435	1,670,384
Bag Law	242	242
Other:		
Other:		
Totals	3,928,220	1,931,887

32. How are these trash reduction technologies and activities being applied in other parts of the MS4 Permit Area?
DOEE tackles trash pollution with a holistic approach, combining pollution prevention, mitigation, and removal of existing litter. This strategy relies on District policy, programs, monitoring, and research. Programs that promote education, regional collaboration and community engagement work to prevent pollution at the source. Policies addressing foam and plastic pollution reduce the amount of pollution entering the environment. Lastly, trash traps and cleanups tackle capture and removal.

33. Per Section 3.7.2 of the permit, how many bag law compliance inspections were conducted in the MS4 Permit Area?	597	inspections
a. How many violations were identified?	127	violations
b. How many NOVs were issued, or other corrective actions taken?	127	actions

34. Per Section 3.7.3 of the permit, how many food service ware compliance inspections were conducted in the MS4 Permit Area?	342	inspections
a. How many violations were identified?	14	violations
b. How many NOVs were issued, or other corrective actions taken?	14	actions

35. Per Section 3.7.5 of the permit, how many coal tar ban compliance inspections were conducted in the MS4 Permit Area?	60	inspections
a. How many violations were identified?	0	violations
b. How many NOVs were issued or other corrective actions taken?	0	actions

36. Per Section 3.7.6 of the permit, how many phosphorus lawn fertilizer compliance inspections were conducted during this reporting period in the MS4 Permit Area?	5	inspections
a. How many violations were identified?	1	violations
b. How many NOVs were issued or other corrective actions taken?	1	actions

	Yes	No
37. Per Section 3.7.7 of the permit, does the District implement a household hazardous waste collection Program?	☑	☐
a. Describe the methods used by the District to encourage residents to properly dispose of household hazardous waste.		
DPW cross promotes household hazardous waste collection dates and locations across several platforms including website and social media and cross-promotes with DOEE and Zero Waste DC. DPW recently scaled back from monthly collection dates to quarterly collection dates.		

38. Per Section 3.7.8 of the permit, how many tons of leaves and holiday trees were collected in this reporting year?		
a. tons of leaves	7,754.41	tons
b. tons of holiday trees	304.80	tons

39. Per Section 3.8.1 of the permit, how many District-operated post-construction stormwater control measure maintenance inspections were conducted during this reporting period in the MS4 Permit Area?	83	inspections
a. How many violations were identified?	26	violations
b. How many corrective actions were taken?	26	actions

40. How many District-owned and operated green stormwater infrastructure maintenance activities were conducted during this reporting period in the MS4 Permit Area?	1,500 estimated	activities

41. Per Section 3.8.2 of the permit, how many Non-District-operated post-construction stormwater control measure maintenance inspections were conducted during this reporting period in the MS4 Permit Area?	341	inspections
a. How many control measures were verified?	341	verified
b. How many violations were identified?	117	identified
c. How many enforcement or corrective actions were taken per practice inspected?	106	actions
d. Provide a brief description of the verification process.		
SWMP verification is completed for new construction by the issuance of A Final Approval Notice indicating full compliance with the district of Columbia regulations for land disturbance, and completion of a regulated stormwater management plan. Verification is further documented by operation and maintenance field inspections and Request for Maintenance Records Notice sent to land or SWMP owners.		

42. Per Section 3.9 of the permit, list stormwater training conducted during this reporting year:

Stormwater Trainings this Year			
Topic	Audience	# Sessions	# People Trained
Stomwater Pollution Prevention	SWPPP Teams and Contractors	13	258
Water Quality	Municipal Staff	16	16
Surface and Groundwater System	DC Water, DC Government Agencies, Public	3 sessions, 45 video clips	44 attendees, 2944 views
Snow and Salt	Snow Team	7	164
SWPPP Review	SWPPP Teams	4	37
Chesapeake Bay	Municipal Staff	22	22
Equity and Outreach	Municipal Staff	7	7
Stormwater Retention Credits	DC Government Agencies, Federal Government, Public	6 sessions, 13 clips	43 attendees, 710 views
Inspector Training	Municipal Staff	14	14
Pest Management	Municipal Staff	10	10
GIS and Mapping	Municipal Staff	3	3
Environmental Engineering	Municipal Staff	25	25

43. Per Section 3.10 of the permit, provide the following information regarding targeted public education in this reporting year:

a. Number of views of the District stormwater website.	2,227	views
b. Number of impressions and engagements on District website related to stormwater topics.	Views - 26,175 Likes - 100 Retweets - 47	impressions/ engagements
c. For pet waste, number of bag dispensers/disposal containers.	16	units
d. For pet waste, number of pet waste disposal bags used.	1886	bags
e. Number of RiverSmart audits completed.	1,352	audits

f. Number of RiverSmart projects installed by type:

Number of RiverSmart Projects Installed						
361	Rain barrels	82	Rain gardens	45	Permeable pavers	
0	Cisterns	0	Green roofs	0	Stormwater planters	

g. Number of District youth receiving environmental training.	1,650	youth
h. Number of District teachers receiving environmental training.	80	teachers
i. Number of participants in environmental boat tours.	4,432	participants

j. Provide a brief summary of the environmental education training programs.

In FY24 DOEE continued the Nature Near Schools (MWEE) program with District fourth graders and brought back the three day, two night Meaningful Watershed Education Experience (MWEE) Overnight program for District fifth graders.
DOEE's MWEE programs continued working with its grantee and their partners to offer District students the opportunity to learn about their local watersheds and the Chesapeake Bay while immersed in their local, school-based environment.
During the reporting period, the grantee provided MWEE programming at schoolyards and local overnight field trips to approximately 1,500 youth, 50 schools, and 60 teachers. The program reached 18% of fourth and 10% of fifth grade of DCPS and DCPCS students. The students experienced multiple touches on topics including watershed health, air and water quality, food webs, and teambuilding. As part of the Meaningful Watershed Educational Experience, the students also started working on taking individual action by creating their own action projects.
In addition to the MWEEs reported above, DOEE offers watershed experiences such as boat tours and other one-day education efforts. New grant awards were made this reporting period to the Anacostia Riverkeeper and Anacostia Watershed Society to continue the Anacostia River Explorers program. The program hosted 289 tours on motorized pontoons. These tours engaged 4,408 individuals who learned about the river's history, wildlife, environmental threats it faces, and solutions helping to address those threats. Grantees engaged participants from groups that otherwise may not have been able to participate in motorized boat tours on the Anacostia River. Grantees also continued to showcase virtual materials including video tours of the river.
The Watershed Stewards Academy grantee Anacostia Watershed Society trained 24 District residents in issues addressing watershed restoration and water quality. The program was offered in spring 2024.
DOEE also continued its green boats program, an initiative that allows residents to engage in pollution prevention through direct action cleanups by kayak. A grant was awarded to Living Classrooms National Capitol Region. The grantee led 772 boat tours from Spring 2023 till June of 2024.
The RiverSmart Schools program held three professional learning sessions, which included 20 teachers.

k. Number of outreach events conducted in historically underserved communities.	37	events
l. Number of multi-lingual educational materials distributed	47 document	materials

m. Describe community level activities performed in underserved areas

-Jones Memorial Methodist Church, 4625 G St SE- Bioretention and rain barrel installed. Hosted a community planting event in Spring 2024 with 30 participants
-Washington Senior Wellness Center- Bioretention and rain barrel installed. Hosted a community planting event in Spring 2024 with 12 participants.
-Community Stormwater Solutions Grant: Friends of Anacostia Park, Urban Learning and Teaching Center, The Green Scheme, After School All Stars, Ward 8 Woods Conservancy, Wake the 8 DC, Living Classrooms Foundation. For more information on this work visit https://doee.dc.gov/service/community-stormwater-solutions-grants.
-DOEE has partnered with the Faunteroy Community Enrichment Center to participate in the monthly resilience series at the Center. The Center is located at 4800 Nannie Helen Burroughs Avenue, NE, Washington DC 20019. The format provides opportunities to receive the latest updates on the flood resilience plans and programs in the Watts Branch area, as well as provide opportunities for open dialogue.

Part 4 WATER QUALITY ASSESSMENT

	Yes	No
1. Per Section 4.1.3.1 of the permit, are all analyses performed in accordance with analytical methods approved under 40 C.F.R. Part 136 and subsequent amendments?	☑	☐

2. Per Section 4.1.3.2 of the permit, describe or provide citation(s) for any alternative method(s) being used.

Clean Water Act Analytical Methods – Methods Update Rule – 2017
Methods Update Rule - 2017. The method was adopted in the Federal Register on August 28, 2017.

	Yes	No
3. Per Section 4.1.3.3 of the permit, are appropriate flow measurement devices and methods being utilized?	☑	☐

	Yes	No
4. Per Section 4.1.3.4 of the permit, are monitoring and assessment records being retained for at least five years?	☑	☐

5. Is all wet weather discharge monitoring consistent with the requirements of Section 4.2 of the permit?	Yes ☐	No ☑

6. Per Section 4.2.3, have any oversample sites been substituted for continuous record sites, or other new continuous record sites established?	Yes ☐	No ☑
a. If yes, note the old/oversample sites and the new/continuous sites below.		

Old site		New site	
Old site		New site	
Old site		New site	
Old site		New site	

7. **For the 2029 Annual Report only**: Per Subsection 4.3, has the evaluation of all accessible stream reaches been completed by the end of the five-year permit term?	Yes ☐	No ☐	N/A ☑

8. Do all receiving water assessments adhere to the methods described in the QAPP, and/or all requirements of Section 4.4.1 of the permit?	Yes ☑	No ☐

9. Per Section 4.4.1.7, are all data maintained in a central geodatabase?	Yes ☑	No ☐

10. Is all in-stream water quality sampling consistent with the requirements of the QAPP and Section 4.4.2 of the permit?	Yes ☑	No ☐

11. Is all benthic macroinvertebrate sampling consistent with the requirements of the QAPP and Section 4.4.3 of the permit?	Yes ☑	No ☐

12. Are all geomorphological assessments consistent with the requirements of the RSA QAPP and Section 4.3.1 of the permit?	Yes ☑	No ☐

13. Are all habitat assessments consistent with the requirements of the RSA QAPP and Section 4.3.2 of the permit?	Yes ☑	No ☐

14. Is all dry weather screening and source identification consistent with the requirements of Section 4.5.1 of the permit?	Yes ☑	No ☐

15. **For 2025-2029 Annual Reports only**: describe the targeted bacteria source reduction efforts undertaken consistent with the requirements of Section 4.5.2 of the permit.

Not Due

16. Is all trash monitoring consistent with the requirements of Section 4.6 of the permit?	Yes	No
	✔	☐

17. Explain any deviations from the required elements of Part 4 of the permit.

4.5 - The requirements of Section 4.2 of the MS4 permit – wet weather discharge monitoring – has been affected by a combination of challenges. The minimum number of three wet weather sampling events per site could not be achieved at all monitoring sites. The qualifying wet weather events for sampling specified under the Guidance EPA 833-8-92-001, July 1992, and required under 4.2.4 of the Permit is outdated. The permit's definition of "qualifying weather events" just applies to the types of weather events we're seeing now less often than it used to. In recent years, the occurrence of a qualifying rainfall event has been changing. The intensity, frequency, duration, and special distribution over the MS4 Permit Area been such that, a number of storms had to be precluded from sampling on the basis of the qualifying rainfall specified in the EPA Guidance. Also, the rainfalls are often more intense, less frequent, and of short duration. In addition, the weather predictions that the program relies on for mobilizing the field personnel, have been found to vary by a wide range of probability. Also, although the District's MS4 area is relatively small, it is common that it will rain in one part of the city and not in another, thus precluding some sites scheduled for sampling. Lack of distributed rain gages across the city has limited the confirmation of a qualifying wet weather event. The potential need for additional rain gauges has only arisen in the last couple of years. There are a variety of complications to DOEE taking on installation and monitoring of additional gauges: funding limitations, location limitations, access issues. DOEE is early in the process of pursuing the purchasing and maintenance of some additional gauges with HSEMA.

4.10 - A comprehensive MS4 QAPP has not been drafted during this reporting period. A major component of the QAPP is the wet weather monitoring. A new contract was solicited for the wet weather monitoring during this reporting period. A task of the new contract is the drafting of a QAPP for the associated activities. The new contract was not let until June 27, 2024 . So, the in-stream water quality sampling continued during this reporting period under the WQD QAPP that was submitted to EPA in August 2020.

4.11 - The benthic macroinvertebrate sampling was consistent with the August 2020 WQD QAPP. The benthic macroinvertebrate sampling component will be included in the comprehensive MS4 QAPP that will be drafted.

18. Per Section 4.7.2.1, list Estimated Annual Cumulative Pollutant Loads in this Reporting Year:

	Rock Creek	Anacostia River	Potomac River	Total	
Total Suspended Solids	545.99	937.85	998.48	2,482.32	tons
Total Nitrogen	86,154.38	408,848.98	133,394.36	628,397.73	pounds
Total Phosphorus	14,354.53	36,061.65	14,873.65	65,289.82	pounds
Copper	544.67	575.11	872.57	1,992.35	pounds
Lead	117.46	163.07	178.65	459.18	pounds
Zinc	2,361.95	7,226.01	4,219.94	13,807.90	pounds
Cadmium	8.89	19.83	12.15	40.88	pounds
E. coli	6.41E+13	9.36E+14	2.19E+14	1.22E+15	MPN

19. Estimated Annual Cumulative Pollutant Load Reductions in this Reporting Year:

	Rock Creek	Anacostia River	Potomac River	Total	
Total Suspended Solids	1.86	16.17	6.87	24.9	tons

Total Nitrogen	257	1,371	289	1,917	pounds
Total Phosphorus	29	160	33	222	pounds
Copper	4.04	21.90	4.57	30.51	pounds
Lead	1.22	6.68	1.39	9.29	pounds
Zinc	7.75	50.38	8.75	66.88	pounds
Cadmium	1.34	7.32	1.52	10.18	pounds
E. coli	1,905	10,371	2,159	14,435	MPN

20. Per Section 4.7, is an evaluation of the effectiveness of the Stormwater Management Program attached?	Yes ✔	No ☐	
a. Does it include a synthesis of programmatic and watershed indicators, per Sections 4.7.1 and 4.7.2 of the permit, using data from this reporting year and prior reporting years in order to identify changes or trends over time?	Yes ✔	No ☐	
b. Does it include, per Section 4.7.2.2, an estimate of progress towards all numeric limits in Subsection 1.5.3.1 of the permit?	Yes ✔	No ☐	
c. Per Section 4.7.3.1 of the permit, does the evaluation also include a short synthesis of areas the program deemed effective with ongoing efforts, and areas where additional strategies are needed to effectively tackle certain pollutants or sources?	Yes ✔	No ☐	
d. **For the 2027 Annual Report only**: is a short synopsis of progress towards meeting all WLAs applicable to the MS4 attached (Permit Section 4.7.3.2)?	Yes ☐	No ✔	Not Due
e. Is the development of a multi-faceted suite of indicators on track to be submitted with the updated SWMP in 2027?	Yes ✔	No ☐	

21. Are all databases being maintained per the requirements of Part 4.8?	Yes ✔	No ☐

Part 7 OTHER REQUIREMENTS

1. Per Section 7.3 of the permit, describe the District's efforts to address environmental justice/equity during this reporting period.

DOEE released a Request for Applications for an eligible entity to develop a strategy to improve diversity, equity, inclusion, and environmental justice in the District's MS4 permit programs. Development must include meaningful engagement with District residents and other relevant stakeholders. The goal of this RFA is to improve diversity, equity, inclusion, and justice (DEIJ) outcomes in the District's Municipal Separate Storm Sewer System (MS4) permit programs.

Signature and Certification

This report must be signed by either a principal executive officer or ranking elected official, or his or her duly authorized representative. This report may be submitted electronically.

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.

Signature:	Jonathan Champion	Date:	12/16/24
Signatory Name:	Jonathan Champion	Signatory Title:	Associate Director - Water Quality