

Report Submittal Date:

Reporting Period:

Contact Person (name and title):

Phone Number:

E-mail Address:

DC Stormwater Website URL:

Part 1 Discharges Authorized Under this Permit

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. Report the same permit limits for prior years as reported in those annual reports. Leave boxes for future years empty. PROW acres may also be reported for respective major basins, as relevant. PROW numbers will not be added to major basin numbers. Acres Managed should include all types of installations detailed in Section 3.2 of the permit.

**Acres Managed
 By Annual Report Year**

	2019	2020	2021	2022	2023
Anacostia River					
Potomac River					
Rock Creek					
Public Right-of-Way					

Total

3. Net Tree Planting in the MS4 Permit area

2019	2020	2021	2022	2023	Total tree plantings to date this permit term

Are tree plantings included in the estimate of Acres Managed in #2?

4. Square Feet of green roofs installed in the MS4 Permit area

2019	2020	2021	2022	2023	Total square feet of green roofs installed to date this permit term

5. Are green roofs in the estimate of Acres Managed in #2?

Per Section 1.5.3.2 of the permit, report pounds of trash captured, removed, or prevented from entering the Anacostia River. 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
Annual Report Year (year in which this report is due)

2019	2020	2021	2022	2023

6. Are tables for all WLA benchmarks attached to this annual report?

Part 2 Stormwater Management Planning

7. For the Annual Report due December 1, 2019:
 - a. Per Section 2.3 of the permit, is the Inspection Strategy for Regulated On-Site and Off-Site Measures attached?

8. For the Annual Report due December 1, 2020:
 - a. Per Section 2.2.3 of the permit, Is the Stormwater Fee Options Evaluation attached?

 - b. Per Section 2.2.4 of the permit, is the Analysis of Updating the Stormwater Regulations attached?

 - c. Per Section 2.6 of the permit, are alternatives for ice and snow management discussed in the attached Snow and Ice Removal Plan?

9. For the Annual Report due December 1, 2021:
 - a. Per Section 2.4 of the permit, are Standardized Public Right-of-Way Optimal Designs attached?

10. Per Section 2.2.1 of the permit, on maintaining and refining TMDL databases, provide a short status update.

11. Per Section 2.2.5.1 of the permit, have any TMDLs with MS4 WLA been approved during this permit term?

- a. If so, list the TMDL(s) and briefly note measures taken to develop milestones and benchmarks.
-
12. Per Section 2.7 of the permit, on Infrastructure Resilience Assessments, provide a brief narrative of actions taken during this reporting period.

Part 3 Stormwater Management Program Implementation

13. 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?

Stormwater regulations website, if different then the URL posted above.

14. Per Section 3.2.1.3 of the permit, how many site plan reviews were conducted during this permit term?

- a. How many of these projects were in the PROW?
- b. How many site plans were finally approved during this reporting period?

15. How many gallons were retained for development projects completed this reporting year subject to the requirements of Section 3.2.2, 3.2.4, and 3.2.5 of the permit?

- a. Total on-site retention (gallons):
- b. Total off-site retention (gallons):

16. Per Section 3.2.3.2, has Stormwater Retention Credit (SRC) eligibility for projects installed prior to July 1, 2013 been eliminated (in association with revisions to the District stormwater regulations)?

17. Per Section 3.2.3.3, has the SRC Purchase Agreement Program been established?

- a. Provide a brief description of the SRC Purchase Agreement Program status?

 - b. At the end of this reporting period how many SRCs more than 1-year old are going unused?
18. Per Section 3.2.6 of the permit, have any modifications been made to the District's Stormwater Management Guidebook during this reporting period?
- a. If yes, provide a brief summary of changes.
19. 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?
- a. If yes, provide a brief summary of the changes.

20. Per Section 3.2.11 of the permit, as relevant, provide specific metrics (miles, square feet, etc.) for any stream, buffer, or floodplain restoration project for which the Permittee claims either Acres Managed credits or Pollutant Load Credits during this reporting period.

b. Are these projects included in the estimates of acres managed in #2?

21. Per Section 3.3.1 of the permit, how many storm sewer overflows (SSOs) to the MS4 occurred during this reporting period?

Were responses consistent with the requirements of Section 3.3.1 of the permit?

22. Per Section 3.3.2 of the permit, provide the number of District-owned, operated, and leased facilities and job sites within the MS4 area that conducted industrial activities during the reporting period.

a. Number of these facilities with Stormwater Pollution Prevention Plans (SWPPPs) meeting the requirements of Section 3.3.2.2a-e of the permit or MSGP.

b. If not all facilities have SWPPPs, are they being developed?

c. Do all facilities conduct self-inspections no less frequently than quarterly?

d. If you answered 'no' to either of the questions above, describe corrective actions being taken.

23. Per Section 3.3.2.4 of the permit, have wash water discharges to the MS4 from District operations been fully prohibited and eliminated?

a. If not, describe corrective actions being taken.

b. Number of inspections of District industrial operations this reporting period.

c. Number of corrective actions taken?

d. Is the Permittee maintaining a database inventory of all municipal operations that conduct industrial activities and/or are considered critical sources?

24. Per Section 3.3.2.7 of the permit, are appropriate records being retained?

25. Per Section 3.3.3 of the permit, are all District operations utilizing pesticides, herbicides, and fertilizers consistent with requirements?

a. Number of Integrated Pest Management (IPM)/ Nutrient Management (NM) Plans being implemented in the District.

b. Description of IPM/NM planning through the Permittee's Pollution Prevention program.

26. Per Section 3.3.4 of the permit, how many catch basins are in the MS4 Permit area?
- a. During the reporting year, how many of those catch basins were inspected?
 - b. During this reporting year, how many of those catch basins were cleaned?
 - c. What is the total estimated volume or weight of materials removed from the catch basin that were cleaned? (gallons or tons)
 - d. Has the GIS-based mobile field application been implemented to track catch basin maintenance activities?
 - e. Per Section 3.3.4.3 of the permit, describe any modifications to catch basin cleaning frequencies.
27. Per Section 3.3.5 of the permit how many MS4 outfalls are in the MS4 Permit area?
- a. During the reporting year, how many of those outfalls were repaired?
 - b. What is the cumulative number of outfalls with repairs complete in this permit term?
28. Per Section 3.3.6 of the permit, provide miles of streets swept in the MS4 Permit area in this reporting year?

29. Per Section 3.3.7 of the permit, are transportation and utility construction activities implementing all appropriate soil and sedimentation control measures?
- a. If not, describe corrective action being taken.
30. Per Section 3.3.8 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.
31. Section 3.4 of the permit, is the Permittee maintaining an up-to-date inventory of all facilities that are defined in the permit as critical sources?
- a. Number of inspections of critical sources conducted during this reporting year.
- b. Number of problems identified during these inspections.
- c. How many of these problems were resolved?
- d. How many problems are still pending?
32. Per Section 3.5 of the permit, how many construction plan reviews were completed during this reporting year?
- a. How many plans were approved?
- b. How many construction site inspections were conducted?
- c. How many inspections identified compliance problems?

- d. How many enforcement actions were initiated?
 - e. How many of the identified compliance problems were resolved?
33. Per Section 3.6.1 of the permit, is the Permittee maintaining an up-to-date inventory of all outfalls in the MS4 area and all illicit discharge information?
- a. How many outfalls are included in the inventory?
 - b. Is the Permittee implementing a system for reporting illicit discharges?
 - c. Number of reports received through the reporting system during this reporting period.
 - d. Number of illicit discharges identified through all mechanisms during this reporting year.
 - e. Number of illicit discharges eliminated during this reporting year.
34. Per Section 3.6.2 of the permit, summarize illegal disposal incidents documented and corrective actions taken during this reporting period.

35. Per Section 3.7.1.1 of the permit, provide annual trash reductions in the Anacostia River basin for this reporting period. Totals should be reported under Question 5.

Annual Trash Reductions in the Anacostia River Basin

Program	Trash Removed (lbs)	Annual Load Reduction (lbs)
Trash Traps		
Environmental Hotspots		
Clean-up Events		
Skimmer Boats		
Clean Team Program		
Bag Law		

- a. Does the Permittee continue to participate in the Anacostia Trash Multi-jurisdictional Collaboration?
- b. How are these trash reduction technologies and activities being applied in other parts of the MS4 area?

36. Per Section 3.7.2 of the permit, how many bag law compliance inspections were conducted?

- a. How many violations were identified?
- b. How many NOVs were issued or other corrective actions taken?

37. Per Section 3.7.3 of the permit, how many polystyrene foam food container ban compliance inspections were conducted?

- a. How many violations were identified?
- b. How many NOVs were issued or other corrective actions taken?

38. Per Section 3.7.4 of the permit, how many coal tar ban compliance inspections were conducted?
- How many violations were identified?
 - How many NOVs were issued or other corrective actions taken?
39. Per Section 3.7.5 of the permit, how many phosphorus lawn fertilizer compliance inspections were conducted during this reporting period?
- How many violations were identified?
 - How many NOVs were issued or other corrective actions taken?
40. Per Section 3.7.6 of the permit, how much household hazardous waste was collected in this reporting period?
- Total gallons of household hazardous waste.
 - Total linear feet of household hazardous waste.
41. Per Section 3.7.7 of the permit, how many tons of leaves and holiday trees were collected in this reporting period?
- Total tons of leaves collected.
 - Total tons of holiday trees collected.
42. Per Section 3.8.1 of the permit, how many District-operated stormwater control measures inspections were conducted during the reporting period?
- How many violations were identified?
 - How many corrective actions were taken?
43. Per Section 3.8.2 of the permit, how many Non-District operated stormwater control measure inspections were conducted during this reporting period?

- a. How many control measures were verified?
- b. How many violations were identified?
- c. How many enforcement or corrective actions were taken?
- d. Provide a brief description of the verification process.

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

Stormwater Trainings this Reporting Year

Topic	Audience	Number of Sessions	Number of People Trained

Topic	Audience	Number of Sessions	Number of People Trained

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

Number of views of the District stormwater website	
Number of retweets of District tweets on stormwater topics	
For pet waste, number of bag dispensers/ disposal containers	
For pet waste, number of pet waste disposal bags used	
Number of pet waste signs installed	
Number of RiverSmart audits completed	

Number of RiverSmart Practices Installed

Rain Barrels	Rain Gardens	Permeable Pavers	Stormwater Planters	Green Roofs	Cisterns

- a. Stormwater Retention Credits generated by the RiverSmart Program.
- b. Number of District youth receiving environmental training.
- c. Number of District teachers receiving environmental training.
- d. Number of participants in environmental boat tours.
- e. Provide a summary of the environmental education training program.

- f. Provide a brief summary of the litter prevention campaign.

Part 4 Water Quality Assessment

46. 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?

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

48. Per Section 4.1.3.3 of the permit, are appropriate flow measurement devices and methods being utilized?

49. Per Section 4.1.3.4 of the permit, are monitoring and assessment records being retained?

50. Is all wet weather discharge monitoring consistent with the requirements of Section 4.2 of the permit?

51. Per Section 4.2.3 of the permit, have any oversample sites been substituted for continuous record sites, or other new continuous record sites established?

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:	

52. For the 2019 Annual Report only: Per Section 4.3.1.1 of the permit, has the QAPP describing receiving water assessment methods been submitted to EPA?

53. Do all receiving water assessments adhere to the Maryland Biological Stream Survey methods, any alternative methods described in the QAPP, and all requirements of Section 4.3.1 of the permit?

54. Per Section 4.3.1.9 of the permit, are all data maintained in a central geodatabase?

55. Is all in-stream water quality sampling consistent with the requirements of the QAPP and Section 4.3.2 of the permit?

56. Is all benthic macroinvertebrate sampling consistent with the requirements of the QAPP and Section 4.3.3 of the permit?

57. Are all geomorphological assessments consistent with the requirements of the QAPP and Section 4.3.4 of the permit?

58. Are all habitat assessments consistent with the requirements of the QAPP and Section 4.3.5 of the permit?

59. Is all dry weather screening and source identification consistent with the requirements of Section 4.4.1 of the permit?

60. For 2019 and 2020 Annual Reports only: Is the Bacteria Source Tracking Study consistent with the requirements of Section 4.4.2 of the permit and on track to be completed and submitted to EPA by July 1, 2021, or has an alternative schedule been requested?

61. Is all trash monitoring consistent with the requirements of Section 4.5 of the permit?

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

63. Per Section 4.6.2.1 of the permit, Estimated Annual Cumulative Pollutant Loads in this reporting year.

	Rock Creek	Anacostia River	Potomac River	Total
Total Suspended Solids				
Total Nitrogen				
Total Phosphorus				
Copper				
Lead				
Zinc				
Cadmium				
<i>E.coli</i>				

64. Estimated Annual Cumulative Pollutant Reductions in this reporting year.

	Rock Creek	Anacostia River	Potomac River	Total
Total Suspended Solids				
Total Nitrogen				
Total Phosphorus				
Copper				
Lead				
Cadmium ¹				
<i>E.coli</i>				

1. An EPA report (402-R-99-004B- linked below) that reviewed several studies with varied site conditions has documented mean partition coefficients for metals. DDOE used these metal-specific partition coefficients (Kd) and associated particle associated fraction (fp) values to model pollutant reduction for these metals through BMP implementation. Since many of the relevant low impact development (LID) practices have similar removal rates for lead and cadmium, the relationship between these two metals, their fp values, and the areas retrofitted were used to estimate cadmium reductions achieved through the Retrofit Program. DDOE will use this methodology to estimate the pollutant load reduction for cadmium in future Annual Reports.

65. Per Section 4.6 of the permit, is an evaluation of the effectiveness of the Stormwater Management Program attached?
- a. Does it include a synthesis of programmatic and watershed indicators, per Section 4.6 of the permit, using data from this reporting year and prior reporting years in order to identify changes or trends over time?
 - b. Does it include, per Section 4.6.2.2 of the permit, an estimate of progress towards all numeric limits in Section 1.5.3.1 of the permit?
 - c. Per Section 4.6.3.1 of the permit, does the evaluation 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?
 - d. For the 2022 Annual Report only: is a short synopsis of progress towards meeting all WLAs applicable to the MS4 attached?
 - e. Is the development of a multi-faceted suite of indicators on track to be submitted with the updated SWMP in 2022?
66. Are all databases being maintained per the requirements of Section 4.7?

Signature and Certification

This report must be signed by either a principle 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 and/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 person who managed 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:		Date:	12-2-2019
Print Name:	Jonathan Champion	Title:	Associate Director