

Municipal Separate Storm Sewer System (MS4)

VPDES General Permit No. VAR040094

**Chesapeake Bay TMDL Implementation
Annual Status Report**

**for the Reporting Period
July 1, 2024 - June 30, 2025**

**University of
Mary Washington**

September 30, 2025

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1. SIGNED CERTIFICATION (PART IV K-2):

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.

Responsible Official Signature	9/12/2025
Jacob Long Vice President of Administration & Finance, CFO	Date

<u>VAR040094</u>	<u>University of Mary Washington</u>
Permit Number	MS4 Name

2. INTRODUCTION

The University of Mary Washington (UMW) was originally issued an MS4 permit in 2003 by the Commonwealth of Virginia. This permit sets forth minimum requirements for the operation of UMW's storm sewer system, including storm water treatment systems, and is reissued every five years. The UMW's current permit number is VAR040094, and the current permit cycle duration is from November 1, 2023, to October 31, 2028. The permit mandates that a Chesapeake Bay TMDL Implementation Annual Status Report be submitted to the Virginia DEQ by October 1st during each permit cycle. The annual status report details progress in meeting permit requirements for the Chesapeake Bay TMDL from July 1st to June 30th of the previous year. This CB TMDL Implementation Annual Status Report covers UMW's progress in meeting the permit requirements for the period from July 1, 2024, to June 30, 2025.

3. ANNUAL REPORTING REQUIREMENTS (PART I D.)

In Part I section D of the MS4 general permit, the permit lists specific items to be addressed in the Annual Report. The following are the items listed in the permit in *italic* typeface followed by responses in **bold** typeface:

Part I D. Annual Reporting Requirements.

6. *For the purposes of this permit, the MS4 program plan, annual reports, the Chesapeake Bay TMDL action plan, and Chesapeake Bay TMDL implementation annual status reports shall be maintained as separate documents and submitted to the department as required by this permit as separate documents.*

Response: Understood! The MS4 program plan, annual reports, Chesapeake Bay TMDL action plan, and Chesapeake Bay TMDL implementation annual status reports are maintained and submitted to the department as separate documents. This Chesapeake Bay TMDL Implementation Annual status report is for the period of July 1, 2024 to June 30, 2025.

4. PART II – TMDL SPECIAL CONDITIONS

A. CHESAPEAKE BAY TMDL SPECIAL CONDITION

As per Part I D. 6. (stated above) of the MS4 general permit, the Chesapeake Bay TMDL Implementation Annual Status Report must be maintained as a separate document from the Annual Report and submitted to the department independently.

In Part II A. 14. of the MS4 general permit, the permit lists specific items to be addressed in the Chesapeake Bay TMDL Implementation Annual Status Report. The following are the items listed in the permit in *italic* typeface followed by responses in **bold** typeface:

14. *Chesapeake Bay TMDL implementation annual status report.*

a. Permittees previously covered under the General VPDES Permit for Discharges of Stormwater from MS4 effective November 1, 2018, shall submit a Chesapeake Bay TMDL implementation annual

status report in a method (i.e., how the permittee must submit) and format (i.e., how the report shall be laid out) as specified by the department no later than October 1 of each year. The report shall cover the previous year from July 1 to June 30.

Response: Acknowledged. UMW submits MS4 Chesapeake Bay TMDL implementation annual status report to DEQ no later than October 1 of each year in a method and format acceptable to DEQ and in accordance with the general permit requirements. This annual status report specifically covers the period from July 1, 2024, to June 30, 2025.

b. Following notification from the department of the start date for the required electronic submission of Chesapeake Bay TMDL implementation annual status reports, as provided for in 9VAC25-31-1020, such forms and reports submitted after that date shall be electronically submitted to the department in compliance with 9VAC25-31-1020 and this section. There shall be at least a three-month notice provided between the notification from the department and the date after which such forms and reports must be submitted electronically.

Response: Acknowledged. UMW submits all MS4-related forms and reports, including Chesapeake Bay TMDL implementation annual status reports, to DEQ electronically.

c. The year two Chesapeake Bay TMDL implementation annual status report shall contain a summary of any public comments on the Chesapeake Bay TMDL action plan received and how the permittee responded.

Response: Acknowledged! UMW updated its Chesapeake Bay TMDL action plan in April 2024 and posted it on stormwater website for public comments. No public comments received.

d. Each Chesapeake Bay TMDL implementation annual status report shall include the following information:

(1) A list of Chesapeake Bay TMDL action plan BMPs, not including annual practices, implemented prior to the reporting period that includes the following information for reported BMP;

(a) The number of BMPs for each BMP type;

(b) The estimated reduction of pollutants of concern achieved by each BMP type and reported in pounds of pollutant reduction per year; and

(c) A confirmation statement that the permittee electronically reported Chesapeake Bay TMDL action plan BMPs inspected using the DEQ BMP Warehouse in accordance with Part III B 5.

Response: A list of Chesapeake Bay TMDL Action Plan BMPs implemented prior to the reporting period, along with the BMP type and the estimated pollutant reduction achieved by each type, is provided below. These BMPs are also included in UMW’s Chesapeake Bay TMDL Action Plan. UMW has electronically reported these BMPs through the DEQ BMP Warehouse. The BMP list is also provided in the attached Excel and PDF templates, as required by DEQ.

5.1 Table 3 - BMPs in Excess of VSMP Requirements (Appendix V.A)

	Type	Impervious Area Treated (Ac)	Pervious Area Treated (Ac)	Nitrogen Removal (lb/yr)	Phosphorus Removal (lb/yr)	Year Implemented
Annex B Parking Lot	Hydrodynamic	0.28	0.38	0.72	0.11	2017
Jepson Science	Hydrodynamic	1.19	0.75	2.63	0.39	2019
Facilities	Hydrodynamic	2.35	0.71	4.82	0.72	2013

5.2 Table 4 - Land Conversion (Appendix V.H)

	Impervious Area Converted to Open (Ac)	Nitrogen Removal (lb/yr)	Phosphorus Removal (lb/yr)	Year Implemented
Alvey Hall Demo	0.23	2.51	0.11	2021

5.3 Table 5 - Stream Restoration (Appendix V.J)

	Length Restored (LF)	Nitrogen Removal (lb/yr)	Phosphorus Removal (lb/yr)	Year Implemented
SR-1	120	5.94	15.49	2014
SR-2	230	24.97	89.71	2014
SR-3	110	7.95	29.96	2014
SR-4	180	11.22	49.08	2014

5.4 Table 6 - BMPs Installed After 1/1/2006 and Before 7/1/2009 (Appendix VI)

	Type	Impervious Area Treated (Ac)	Pervious Area Treated (Ac)	Nitrogen Removal (lb/yr)	Phosphorus Removal (lb/yr)	Year Implemented
Alvey Parking Garage	WQV Vault	0.8	0.0	3.02	0.45	2006
Goolrick Artificial Turf Field	Sand Filter	2.5	0.0	7.04	2.12	2008
Lee Hall	Stormfilter	0.5	0.0	1.89	0.28	2009
Stafford Campus	Bioretention	2.11	3.16	23.47	2.30	2007

(2) A list of newly implemented BMPs including annual practices implemented during the reporting period that includes the following information for each reported BMP or a statement that no BMPs were implemented during the reporting period:

(a) The BMP type and a description of the location for each BMP;

(b) The estimated reduction of pollutants of concern achieved by each BMP and reported in pounds of pollutant reduction per year; and

(c) A confirmation statement that the permittee electronically reported BMPs using the DEQ BMP Warehouse in accordance with Part III B 3.

Response: There were no Chesapeake Bay TMDL action plan BMPs implemented during this reporting period.

e. If the permittee acquired credits during the reporting period to meet all or a portion of the required reductions in Part II A 3, A 4, or A 5, a statement that credits were acquired.

Response: No credits were acquired during the reporting period to meet the required reductions in Part II A.3, A.4, or A.5 of MS4 General Permit.

f. Pollutant load reductions generated by annual practices, such as street and storm drain cleaning, shall only be applied to the compliance year in which the annual practice was implemented.

Response: No annual practices was applied during the reporting period.

g. The progress, using the final design efficiency of the BMPs, toward meeting the required cumulative reductions for total nitrogen and total phosphorus.

Response: UMW has already achieved the required cumulative reductions for total nitrogen and total phosphorus. Please refer to UMW’s Phase III Chesapeake Bay TMDL Action Plan for details. See table below from Chesapeake Bay TMDL Action Plan for required vs achieved total nitrogen and total phosphorus.

Table 7 – Required & Achieved Nitrogen & Phosphorus Removals

	Required Reduction (lbs/yr)	Reduction Achieved (lbs/yr)	Excess Removal (lb/yr)
Nitrogen	80.64	96.18	15.53
Phosphorus	16.74	190.72	173.98

h. Any revisions made to the Chesapeake Bay TMDL action plan.

Response: The Chesapeake Bay TMDL Action Plan was revised during the last reporting period (April 2024) to meet the requirements of the new permit. The action plan was not revised during this reporting period (July 1, 2024 – June 30, 2025). Below is a summary of the revisions made to the Chesapeake Bay TMDL Action Plan during the last reporting period.

- **Compilation of all properties currently owned by UMW within the 2010 US Census Urbanized Areas. This determined that the MS4 permit covers the Fredericksburg and Stafford campuses, but not the Dahlgren campus. Also, UMW has acquired additional parcels since 2009.**

- **Re-calculation of the regulated urban impervious and pervious areas as of June 30, 2009 using the land cover definitions in DEQ Guidance Memo 20-2003 Chesapeake Bay TMDL Special Condition Guidance (Guidance Memo). Forested areas are excluded from the urban pervious area.**
- **Identification of additional nutrient removal credits in accordance with the Guidance Memo.**

i. A list of BMPs that are planned to be implemented during the next reporting period.

Response: None. As the required reductions have been fully achieved, therefore, there are no BMPs planned to be implemented during the next and beyond reporting periods.

15. Within 60 months after permit issuance, the permittee shall update the Phase III Chesapeake Bay TMDL action plan to offset the increased loads from new sources initiating construction between July 1, 2009, and October 31, 2023, that are located in the expanded 2020 census urban areas with a population of at least 50,000, and within the permittee's MS4 service area, and designed in accordance with 9VAC25-870 Part II C (9VAC25-870-93 et seq.), if the following conditions apply:

a. The activity disturbed one acre or greater; and

b. The resulting total phosphorous load was greater than 0.45 pounds per acre per year, which is equivalent to an average land cover condition of 16% impervious cover. The permittee shall utilize Table 4 of Part II A 5 to develop the equivalent nitrogen pollutant load for new sources meeting the requirements of this condition.

Response: This is not applicable to UMW because:

- **UMW's MS4 service area did not change between the 2010 and 2020 censuses.**
- **No project was designed in accordance with Part II.C.**

16. Within 60 months after permit issuance, the permittee shall update the Phase III Chesapeake Bay TMDL action plan to offset the increased loads from projects grandfathered in accordance with

9VAC25-870-48 that are located in the expanded 2020 census urban areas with a population of least 50,000, and within the permittee's MS4 service area, and began construction after July 1, 2014, if the following conditions apply:

- a. The activity disturbs one acre or greater; and*
- b. The resulting total phosphorous load was greater than 0.45 pounds per acre per year, which is equivalent to an average land cover condition of 16% impervious cover.*

The permittee shall utilize Table 4 of Part II A 6 to develop the equivalent nitrogen pollutant load for grandfathered sources meeting the requirements of this condition.

Response: There are no grandfathered projects within UMW's MS4 service area after July 1, 2014; therefore, this requirement is not applicable to UMW.

5. SIGNATORY REQUIREMENTS

In Part IV section K. 2. of the MS4 permit, the permit lists specific items to be addressed in the annual report and Chesapeake Bay TMDL annual status report. The following are the items listed in the permit in italic typeface followed by responses in bold typeface:

Part IV K. 2.

2. Reports and other information. All reports required by state permits, including annual reports, and other information requested by the department shall be signed by a person described in Part IV K 1, or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- a) The authorization is made in writing by a person described in Part IV K 1;*
- b) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the*

operator. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and

c) The signed and dated written authorization is submitted to the department.

Response: This report has been signed by Mr. Jacob Long Vice President of Administration & Finance, CFO. See Section 1 on page 1 of this report.