Chesapeake Bay TMDL Implementation Annual Status Report

Permittee Name:	Permit Number:	Reporting Period:
Permit Requirement	Instruction	Response
"[Include] 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 BMPs: (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."	Use the included "CBTMDL Annual Status Report BMP Template" excel file to document a list of Chesapeake Bay TMDL action plan BMPs implemented prior to the reporting period. The included excel file includes fields for selecting the BMP type and specifying the estimated reduction of pollutants of concern achieved by each BMP type. The excel file will also automatically count BMPs by type. A separate tab on the excel file can be used to report annual practices that were implemented during the reporting period. Please check one of the responses in the next column. Please check one of the responses in the next column to confirm that existing BMPs have been electronically reported to the DEQ BMP Warehouse in accordance with Part III.B.	Please check one: A list of Chesapeake Bay TMDL action plan BMPs implemented prior to the reporting period has been attached. A list was not attached because there are no Chesapeake Bay TMDL action plan BMPs implemented to date. Please check one: All BMPs implemented and inspected, as applicable, between July 1 and June 30 of the reporting period have been electronically reported to the DEQ BMP Warehouse in accordance with Part III.B. BMPs implemented and inspected, as applicable, between July 1 and June 30 of the reporting period have not been reported to the DEQ BMP Warehouse in accordance with Part III.B. Please indicate why reporting was not completed below:

Permittee Name:	Permit Number:	Reporting Period:	
Permit Requirement	Instruction Use the included "CBTMDL Annual	Response	
"[Include] a list of newly	Status Report BMP Template" excel file to document a list of Chesapeake Bay TMDL action plan BMPs implemented during the reporting period. The included excel file includes fields for selecting the BMP type, BMP location and specifying the estimated reduction of pollutants of concern achieved by each BMP type. The excel file will also automatically count BMPs by type. A separate tab on the excel file can be used to report annual practices that were implemented during the reporting period. Please check one of the responses in the next column.	Please check one: A list of Chesapeake Bay TMDL action plan BMPs implemented during the reporting period has been attached. A list was not attached because there were no Chesapeake Bay TMDL action plan BMPs implemented during this reporting period.	
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."	Please check one of the responses in the next column to confirm that new BMPs have been electronically reported to the DEQ BMP Warehouse in accordance with Part III.B.	Please check one: All BMPs newly implemented and inspected, as applicable, between July 1 and June 30 of the reporting period has been electronically reported to the DEQ BMP Warehouse in accordance with Part III.B. There were no newly implemented BMPs that required reporting to the BMP Warehouse during the reporting period. BMPs newly implemented and inspected, as applicable, between July 1 and June 30 of the reporting period have not been reported to the DEQ BMP Warehouse in accordance with Part III.B. Please indicate why reporting was not completed below:	

Permittee Name:	Permit Number:	Reporting Period:
Permit Requirement	Instruction	Response
"If the permittee acquired credits during the reporting period to meet all or a portion of the required reductions[], a statement that credits were acquired."	The attached "CBTMDL Annual Status Report BMP Template" excel file has a tab that can be used to report whether credits were acquired during the reporting period.	Refer to the "Credits & Annual Practices" tab in the "CBTMDL Annual Status Report BMP Template" excel file.
"The progress, using the final design efficiency of the BMPs, toward meeting the required cumulative reductions for total nitrogen and total	Extract the required 100% reductions from the Chesapeake Bay TMDL action plan and enter the values in the column to the right. Then, sum the total estimated reduction of	Required 100% reduction for Total Nitrogen (lbs/year):
phosphorous." If reporting reductions for more than one river basin, please specify the	pollutants of concern achieved by BMPs implemented prior to and during the reporting period, any credits acquired, and annual practices	Required 100% reduction for Total Phosphorus (lbs/year):
100% required reductions and achieved reductions to date by each river basin in the far-right column. For example, you may type: "York: 45 lbs/yr Rappahannock: 36 lbs/yr"	implemented during this reporting period and provide the totals in the column to the right. Note: pollutant load reductions generated by annual practices shall only be applied to the reporting period in which the annual	Achieved Total Nitrogen reduction to date (lbs/year):
	practice was implemented. Do not use annual practice load reductions from prior reporting periods when completing this information.	Achieved Total Phosphorous reduction to date (lbs/year):
"[Include] any revisions made to the Chesapeake Bay TMDL action plan."	Briefly summarize any revisions that were made to the Chesapeake Bay TMDL action plan during the reporting period and include the summary in the column to the right.	Please check one: There were no revisions during the reporting period. There were revisions during the reporting period as summarized below:
"[Include] a list of BMPs that are planned to be implemented during the next reporting period."	Provide a summary of any BMPs planned to be implemented between July 1 and June 30 of the next reporting period in the column to the right. Include any project name(s) and type(s) of BMP(s).	

Tabs

Use the "Prior Implemented BMPs" tab to enter all Chesapeake Bay TMDL action plan BMPs implemented prior to the reporting period. For example, if the reporting period that just ended was FY2023, then report all BMPs implemented prior to FY2023 that were specified in the Chesapeake Bay TMDL action plan. Note: Only report the cumulative number of BMPs by type and the total reductions achieved by each BMP type. For example, if there are 3 wet ponds, then use the "Number of BMPs" field to indicate 3 with the sum of the TN and TP reductions achieved by all 3 wet ponds in the "Estimated Removal of Pollutants of Concern" fields.

Use the "BMPs Implemented This Period" tab to enter all Chesapeake Bay TMDL action plan BMPs implemented during the reporting period. For example, if the reporting period that just ended was FY2023, then report all BMPs newly installed/implemented during the FY2023 reporting period.

Use the "Credits & Annual Practices" tab to report any credits acquired or annual practices implemented during this reporting period.

The "Data Fields" tab is a fixed tab used for sourcing data for dropdown menus in the other tabs. No action is needed for this tab.

Fields

Use the "BMP ID" field to indicate the unique identifier assigned to the BMP, if applicable. This ID can be whatever the MS4 uses to distinguish individual BMPs. For example, this may be "BMP001" "SMF0204", etc.

In the **Prior Implemented BMPs** tab, the "Number of BMPs" field is offered to provide a count of all BMPs of a certain type. If a locality has 3 wet ponds, then enter "3" in this field, rather than listing them out individually. This field does not apply to the "BMPs Implemented This Period" tab.

The "BMP Type" field is a drop down menu that includes BMP types sourced from the BMP Clearinghouse and Chesapeake Bay Program. For any BMPs that do not fit these types, please use the "Other (Explain)" option and describe the BMP/practice type in the "BMP 'Other' Explanation" field.

Use the "Estimated Removal of Pollutants of Concerr Achieved" fields to enter the pounds of pollutant reduction per year for Total Nitrogen (TN) and Total Phosphorous (TP).

Use the "BMP 'Other' Explanation" field to describe any BMPs or practices that do not meet the descriptor in the "BMP Type" field.

Use the "BMP Location" field on the "BMPs Implemented This Period" tab to provide a general location of the BMP (e.g., address, latitude/longitude etc.) Once completed, include this excel file with the Chesapeake Bay TMDL implementation annual status report fillable PDF and submit these documents to regional office MS4 contact. Please ensure that all fields are reviewed for errors. Please submit a new annual status report each year in accordance with the permit requirements.

Only complete fields on the "Prior Implemented BMPs", "BMPs Implemented This Period" and "Credits & Annual Practices" tabs that are not tinted. Tinted fields do not require any modification.

Helpful Links

Chesapeake Bay TMDL Special Condition Guidance (Rev. 11/12/20, GM20-2003)

Virginia Stormwater BMP Clearinghouse

Chesapeake Bay Program Publications

DEQ BMP Warehouse

10/25/2024

Second State Seco	RMPs Ir	pplemented Prior to This Reporting Period Estimated Reduction of Pollutants of Concern Achieved				is Reporting Period Estimated Reduction of Pollutants of Concern Achieved			
The content	Number of BMPs	BMP Type	Total Nitrogen (lbs/year)						
A	1	Constructed Wetlands	195	40		Total Phosphorous (lbs/year) 735.24			
	22	Extended Detention (ED) Ponds	18.99	5.98					
Michael Mich	5	Infiltration Practices	98.72	6.78					
Productive control Product	55	MTD/Proprietary: Hydrodynamic Devices	215.03	30.31					
Miles Mile	27	Permeable Pavement	8.56	1.19		Ifathered Projects discussed in Chesapeake Bay TMDL Action Plan in further detail.			
Marie	1	Urban Stream Restoration	30.54	3.09					
Normany	5	Wet Ponds	3705.18	478.63					
	3	Rainwater Harvesting	0	0					
10/25/2024	1	Bioretention	13.67	1.64					
10/25/2024									
10/25/2024									
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	10/2	40/2027				2			

Column C	BMPs In	nplemented During This Reporting Period BMP Type	BMP Location	Estimated Reduction of F Total Nitrogen (lbs/year)	Pollutants of Concern Achieved Total Phosphorous (lbs/year)	BMP "Other" Explanation	Number of BMPs by Type
Column C	2013-0001 02 2013-0001 03 2013-0001 04	Vegetated Roof Vegetated Roof Filtering Practices Filtering Practices	4600 King St 4600 King St 4600 King St	2.42 4.18 0	0.34 0.58 0.77 1.26		Rooftop (Impervious Surface) Disconnection 0
Order Control of C	15-0025 17-0014 01 17-0014 02	Permeable Pavement Bioretention (inc. Urban Bioretention) MTD/Proprietary: Hydrodynamic Devices	2300 Richmond Hwy 1101 N Washington St 1101 N Washington St	0.3	0.42 0.06 0.03		Rainwater Harvesting
100	017-0014 05 017-0023 01 017-0023 02	MTD/Proprietary: Filtering Devices Vegetated Roof MTD/Proprietary: Hydrodynamic Devices	1101 N Washington St 2455 Mandeville Ln 2455 Mandeville Ln	0.06 15.98 0	0.06 1.88 1.1		Wet Swales 0 Filtering Practices 43 Constructed Wetlands 0
100 100	017-0023 04 017-0023 05 017-0023 06	Filtering Practices Filtering Practices Filtering Practices	2455 Mandeville Ln 2455 Mandeville Ln 2455 Mandeville Ln	0.17 0.17 0.17	0.02 0.02 0.02		Extended Detention (ED) Ponds 0 MTD/Proprietary: Hydrodynamic Devices 3 MTD/Proprietary: Filtering Devices 6
Additional	018-0006 01 018-0006 02	Filtering Practices Filtering Practices	880 S Pickett St 880 S Pickett St 880 S Pickett St	1.31 1.31	0.07		Land Use Change
200 2	018-0006 04 018-0006 05 018-0006 06	Filtering Practices Filtering Practices Filtering Practices	880 S Pickett St 880 S Pickett St 880 S Pickett St	1.31 1.31 0.99	0.07 0.07 0.04		Urban Tree Canopy Expansion
Column	018-0006 09 018-0006 10 018-0006 11	Filtering Practices Filtering Practices Filtering Practices	880 S Pickett St 880 S Pickett St 880 S Pickett St	1.34 1.24 1.12	0.08 0.07 0.05		Total Nitrogen (lbs/year) 758.93
Column	018-0028 02 018-0028 03	Filtering Practices Filtering Practices	2395 Mill Road 2395 Mill Road	0	0.09		
March Marc	019-0003 01 019-0003 02	Filtering Practices Filtering Practices	2000 N Beauregard St 2000 N Beauregard St	0 0.56 0.56	0.92 0.07 0.07		
100 1	019-0003 04 019-0003 05 019-0003 06	Filtering Practices Filtering Practices Filtering Practices	2000 N Beauregard St 2000 N Beauregard St 2000 N Beauregard St	0.56 0.56 0.56	0.07 0.07 0.07		
March Marc	019-0003 08 019-0003 09 019-0003 10	Filtering Practices Filtering Practices Filtering Practices	2000 N Beauregard St 2000 N Beauregard St 2000 N Beauregard St	0.56 0.56	0.07 0.07 0.07		
According to Management According to Accordin	019-0003 12 019-0003 13 019-0003 14	Filtering Practices Filtering Practices Filtering Practices	2000 N Beauregard St 2000 N Beauregard St 2000 N Beauregard St	0.56 0.56 2.65	0.07 0.07 0.32		
Million Mill	019-0004 02 019-0004 03 019-0026 01	MTD/Proprietary: Hydrodynamic Devices Bioretention (inc. Urban Bioretention) Bioretention (inc. Urban Bioretention)	400 Green St. 1200 N Quaker Ln 1200 N Quaker Ln	5.95 12.43	0.82 0.6 1.7 0.51		
March Marc	019-0026 03 020-00001 02 020-00001 03	MTD/Proprietary: Filtering Devices Filtering Practices Filtering Practices	1200 N Quaker Ln 1200 N Henry St 1200 N Henry St	0 0.42 0.42	0.84 0.05 0.05		
March Peter	020-00001 05 020-00001 06 020-00001 07	Filtering Practices Filtering Practices Filtering Practices	1200 N Henry St 1200 N Henry St 1200 N Henry St	0.42 0.42 0.42	0.05 0.05 0.05		
March Service (Note Assessment)	2020-00001 09 2020-00001 01 2020-0002	Filtering Practices MTD/Proprietary: Filtering Devices Permeable Pavement	1200 N Henry St 1200 N Henry St 4301 W Braddock Rd	0.42 0.42 0.29	0.05 0.05 0.04		
Miles Mile	020-0015 02 020-1025 01 020-1025 02	MTD/Proprietary: Filtering Devices Bioretention (inc. Urban Bioretention) Bioretention (inc. Urban Bioretention)	801 North Fairfax 3601 University Drive 3601 University Drive	0 2.75 0.35	0.14 0.33 0.04		
Section Committee Commit	020-1025 04 020-1025 05 020-1025 06	Bioretention (inc. Urban Bioretention) Bioretention (inc. Urban Bioretention) Bioretention (inc. Urban Bioretention)	3601 University Drive 3601 University Drive 3601 University Drive	0.16 0.18 0.16	0.02 0.03 0.02		
State Stat	2020-1025 08 2020-1025 09 2020-1025 10	Bioretention (inc. Urban Bioretention) Bioretention (inc. Urban Bioretention) Bioretention (inc. Urban Bioretention)	3601 University Drive 3601 University Drive 3601 University Drive	0.33 1.13 0.43	0.04 0.14 0.05		
1995	2020-1025 12 2020-1025 13 2020-1025 14	Bioretention (inc. Urban Bioretention) Bioretention (inc. Urban Bioretention) Bioretention (inc. Urban Bioretention)	3601 University Drive 3601 University Drive 3601 University Drive	0.51 0.68 1.39	0.06 0.08 0.09		
10/25/2024	2020-1025 16	Bioretention (inc. Urban Bioretention)	3601 University Drive	4.05	0.49		
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Credits Acquired & Annu	ual Practices Implemented This Repo	orting Period			
	ng this reporting period? If yes, please following information.	ease Select Y/N: Yes		ual credits acquired to date , including during this period.	
Total Nitrogen (lbs/year)	0		Total Nitrogen (lbs/year)	0	
Total Phosphorous (lbs/year)	0.03		Total Phosphorous (lbs/year)	0.03	
please complete the following is reductions achieved from annu	period? If yes, Plus formation. Provide the total amount of all practices, then describe the practices dits achieved for each type.	No No			

10/25/2024 4



Transportation and Environmental Services Stormwater Management Division 301 King Street, City Hall Alexandria, VA 22314

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October 24, 2024

David A. Taylor
State MS4 Compliance Coordinator, Central Office
Virginia Department of Environmental Quality
1111 East Main Street, Suite 1400
Richmond, VA 23219
Electronically: david.a.taylor@deq.virginia.gov

RE: Corrections Needed – Chesapeake Bay TMDL Implementation Annual Status Report

Dear Mr. Taylor,

Thank you for your review of the City of Alexandria's FY2024 Chesapeake Bay Total Maximum Daily Load (TMDL) Implementation Annual Status Report submitted October 1, 2024. This letter and attachments provide the City's response. Once Virginia Department of Environmental Quality's (DEQ) review is complete and the Report is found to be satisfactory, please let us know and the City will post the updated Chesapeake Bay TMDL Implementation Annual Status Report, along with our correspondence, to the City's MS4 Program webpage.

DEQ Correction Needed: The report did not list BMPs implemented prior to the FY2024 reporting period. The CB TMDL Implementation Annual Status report, as required in Part II.A.14.d.(1)(a)-(c) must include the number of BMPs for each type of BMP (it is not necessary to list out all prior implemented BMPs, but rather the number and type of BMPs – e.g., if you have 10 wet ponds, you'd list 10 wet ponds and the cumulative reductions for those 10 wet ponds and so on), the estimated reduction of pollutants of concern achieved by each BMP type (as mentioned in my example above) and a confirmation statement that these BMPs and their most recent inspection dates were uploaded to the BMP Warehouse in accordance with Part III.B.5.

City Response: Per the requirements in Part II.A.14.d.(1)(a)-(c), the City is attaching a list of BMPs implemented prior to the FY2024 reporting period (see: *Annual Status Report BMP_FY2024*). The City confirms that these BMPs and their most recent inspection dates are in the BMP Warehouse as indicated in the attached *Annual Status Report Checklist FY2024*.

DEQ Correction Needed: The report listed "Development SWM Facilities" alongside the "Lucky Run Stream Restoration" project as newly implemented projects during the reporting period. The list of newly implemented BMPs during the reporting period must include the BMP

type of each BMP implemented (note - this differs from prior implemented BMPs), the location of each BMP, the estimated reduction of pollutants of concern achieved by each BMP, and a confirmation statement that the permittee electronically reported those BMPs to the BMP Warehouse in accordance with Part III.B.3. (Part II.A.14.d.(2)(a)-(c)). This report did not detail what the "Development SWM Facilities" are.

City Response: The City is attaching a list of BMPs implemented during the current reporting period of FY2024 (see: *Annual Status Report BMP_FY2024*). The City confirms that these BMPs are in the BMP Warehouse as indicated in the attached *Annual Status Report Checklist FY2024*.

DEQ Correction Needed: The report did not include any revisions made over the last year to the Chesapeake Bay TMDL Action Plan (Part II.A.14.h, we understand permittees are about to submit the final CB TMDL Action Plans, but a quick, brief summary of any major changes will suffice for this report) and a list of BMPs that are planned to be implemented during this current reporting period (FY2025, Part II.A.14.i).

City Response: During the last year, the City updated the *Chesapeake Bay TMDL Action Plan* to align with the 2023 – 2028 MS4 Phase II General Permit which included removing Total Suspended Solids (TSS) from the pollution reduction requirements, updating the actual estimated pollution reductions through FY2024, removing Street Sweeping and Catch Basin Cleaning from the list of means and methods, and adding in the means and methods for 100% compliance by FY2028. Further, the City removed three BMPs that were no longer functioning as designed from the calculations.

A list of BMPS that are planned to be implemented during FY2025 are included in the attached document, Annual Status Report Checklist FY2024.

Please contact me or Jesse Maines at <u>jesse.maines@alexandriava.gov</u> or 703.746.4643 with any questions.

Sincerely,

Jessica E. B. Lassetter, MNR Senior Environmental Specialist City of Alexandria, Virginia T&ES Stormwater Management

Office: 703.746.4127 | Cell: 703.915.5695

Attachments: Annual Status Report Checklist_FY2024

Annual Status Report BMP FY2024

CC: Amy Hagerdon, MS4 Coordinator, NRO/Water Program

From: <u>Taylor, David (DEQ)</u>
To: <u>Jessica Lassetter</u>

Cc: Hagerdon, Amy (DEQ); Jesse Maines

Subject: RE: City of Alexandria | Chesapeake Bay Annual Status Report Update FY24

Date: Friday, October 25, 2024 6:40:59 AM

Attachments: <u>image001.png</u>

Good morning Ms. Lassetter:

Thank you for providing these revisions. After review, everything looks good and no further corrections are requested.

Again, thank you for providing this information. Have a great weekend,



David A. Taylor

State MS4 Compliance Coordinator, Central Office

Virginia Department of Environmental Quality

1111 East Main Street, Suite 1400, Richmond, VA 23219

(757) 705-8293

From: Jessica Lassetter < jessica.lassetter@alexandriava.gov>

Sent: Thursday, October 24, 2024 3:20 PM

To: Taylor, David (DEQ) < David.A. Taylor@deq.virginia.gov>

Cc: Hagerdon, Amy (DEQ) <Amy.Hagerdon@deq.virginia.gov>; Jesse Maines

<Jesse.Maines@alexandriava.gov>

Subject: City of Alexandria | Chesapeake Bay Annual Status Report Update FY24

CAUTION: This Email originated from OUTSIDE of the COV. Do not open attachments or click links unless this email comes from a known sender and you know the content is safe..

Dear Mr. Taylor -

Attached, please find the City of Alexandria's response to your email dated October 10, 2024.

Please let me know if you have any further questions or need clarification on anything.

Thank you for your review and we look forward to hearing back from you.

Sincerely yours,

Jessica

Jessica Lassetter

Senior Environmental Specialist / CE III City of Alexandria, Virginia Transportation & Environmental Services Office Phone Number (703.746.4127) Cell Phone Number (703.915.5695) alexandriava.gov



The City of Alexandria's 275th Anniversary