

Henrico County Chesapeake Bay TMDL Action Plan
for the Cumulative 100% Reduction Requirements

The permittee shall submit an updated Chesapeake Bay TMDL action plan for the cumulative 40% reductions required in Part I.D.1.b), c) and d) within 12 months of the permit effective date. The permittee shall submit an updated Chesapeake Bay TMDL action plan for the cumulative 100% reductions required in Part I.D.1.b), c) and d) by June 30, 2026. The action plans shall include the following information:

- 1) Any new or modified legal authorities, such as ordinances, permits, policy, specific contract language, orders and inter-jurisdictional agreements, implemented or needing to be implemented, to meet the requirements of Parts I.D.1.b), c) and d) to include a review in the development of these actions;

None

- 2) The load and cumulative reduction calculations for each river basin calculated in accordance with Parts I.D.1.b), c) and d);

<u>Pollutant</u>	<u>Subsource</u>	<u>Loading Rate</u>	<u>Existing Developed Lands</u>	<u>Load</u>	<u>Percentage of MS4 loading reduction</u>	<u>Percentage of reduction required by June 2028</u>	<u>100% cumulative reduction</u>	<u>Sum of 100% cumulative reduction</u>
Nitrogen	Regulated Urban Impervious	9.39	14,187.16	133,217.43	9%	100%	11,989.57	19,341.28
Nitrogen	Regulated Urban Pervious	6.99	17,529.11	122,528.48	6%	100%	7,351.71	
Phosphorous	Regulated Urban Impervious	1.76	14,187.16	24,969.40	16%	100%	3,995.10	4,630.53
Phosphorous	Regulated Urban Pervious	0.5	17,529.11	8,764.56	7.25%	100%	635.43	

3) The total reductions achieved to date for each pollutant of concern in each river basin;

See Table Below

4) A list of BMPs implemented to date to achieve reductions associated with the Chesapeake Bay TMDL including: (a) The date of implementation; and (b) The reductions achieved.

<u>BMP</u>	<u>Date of Implementation</u>	<u>Reductions Achieved Nitrogen</u>	<u>Reductions Achieved Phosphorous</u>
Jamestown Apartments Stream Restoration	December 2006	103.73	94.04
Henrico Communications Center Stream Restoration	June 2009	95.83	86.89
Energy Dissipators (installed before July 2014)	Prior to July 2014	1,979.07	254.72
BMPs (installed before July 2009)	Prior to July 2009	405.31	79.09
Skipwith Elementary Stream Restoration	May 2012	44.57	40.41
Woodman Park Energy Dissipator	September 2016	86.01	10.52
Hungary Creek Stream Restoration	May 2016	819.74	243.63
Dunncroft Park Stream Restoration	August 2017	291.01	66.23
Virginia Home for Boys and Girls Stream Restoration	September 2019	609.49	218.93
Quarter Mill Apts Stream Restoration	March 2020	2,143.45	1,091.69
Bretton Woods Stream Restoration	October 2020	821.89	307.57
Henrico Water Reclamation Facility Stream Restoration	November 2021	3,070.50	916.60
Henrico Old Nine Mile Road Landfill Stream Restoration	December 2022	1,099.30	479.80
Tuckahoe Park Drainage Improvements	September 2022	1,288.33	452.41
Adams Elementary Stream Restoration	September 2024	855.40	350.00
Lake Overton Dam Safety Improvements	July 2025	578.86	165.51
Wilder Middle Stream Restoration	December 2025	349.00	68.00
Hidden Creek Park Stream Restoration	June 1, 2026	868.00	140.00
Deitrick Road Outfall Restoration	June 1, 2026	200.00	45.00

Please note that these totals are different than previously reported due to the updated guidance on Enhanced Efficiencies for Stream Restoration. The previous annual reports presented the reductions using the baseline reduction of 50%. Utilizing the Expert Panel Recommendations, the BMPs achieve the increased reductions indicated above.

- 5) The BMPs to be implemented by the permittee prior to the expiration date of this permit to meet the cumulative reductions calculated in Parts I.D.1.b), c) and d), including, as applicable: (a) Type of BMP; (b) Project name; (c) Location; (d) Percent removal efficiency for each pollutant of concern; and (e) Calculation of the reduction expected to be achieved by the BMP calculated and reported in accordance with the methodologies established in Part I.D.1.g) for each pollutant of concern.

			<u>Reductions</u>	<u>Achieved</u>
<u>BMP Name</u>	<u>Type of BMP</u>	<u>Location</u>	<u>Nitrogen</u>	<u>Phosphorous</u>
Ridgefield Pkwy BMP and Stream Restoration	Stream Restoration	37.626318 -77.598426	153.00	14.00
JSRCC Stream Restoration	Stream Restoration	37.635990 -77.472729	86.00	6.00
Three Lakes Park Stream Restoration	Stream Restoration	37.619361 -77.428687	999.00	158.00
Tuckahoe Library Stream Restoration	Stream Restoration	37.608436 -77.565245	554.00	99.00
Total			1,792.00	277.00
Overall Total			20,979.52	5,388.03

Any reductions in excess of the 100% cumulative Chesapeake Bay Special Condition requirement, whether identified in this TMDL Action Plan or reported to DEQ in future MS4 Annual Reports, will be applied to any reductions required by future TMDL, implementation plan, or MS4 permit condition.

6) An estimate of the expected cost to implement the necessary reductions during the permit cycle.

\$3,558,266.00

7) A summary of any comments received as a result of public participation required in Part I.D.1.k), the permittee's response, identification of any public meetings to address public concerns, and any revisions made to the Chesapeake Bay TMDL action plan as a result of public participation.

None