

**HENRICO COUNTY
CHESAPEAKE BAY TMDL ACTION PLAN**

CHESAPEAKE BAY TMDL ACTION PLAN

Henrico County Chesapeake Bay TMDL Action Plan
for the Cumulative 40% 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);

Pollutant	Subsource	Loading Rate	Existing Developed Lands	Load	Percentage	Percentage	40% cumulative reduction	Sum of 40% cumulative reduction
					of MS4 loading reduction	of reduction required by June 2026		
Nitrogen	Regulated Urban Impervious	9.39	14,187.16	133,217.43	9%	40%	4,795.83	7,736.51
	Regulated Urban Pervious	6.99	17,529.11	122,528.48	6%	40%	2,940.68	
Phosphorous	Regulated Urban Impervious	1.76	14,187.16	24,969.40	16%	40%	1,598.04	1,852.21
	Regulated Urban Pervious	0.5	17,529.11	8,764.56	7.25%	40%	254.17	

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

See Table Below

**HENRICO COUNTY
CHESAPEAKE BAY TMDL ACTION PLAN**

- 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.

BMP	Date of Implementation	Reductions Achieved	
		Nitrogen	Phosphorous
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	3,038.00	901.60
Henrico Old Nine Mile Road Landfill Stream Restoration	December 2022	1,062.56	462.87
Tuckahoe Park Drainage Improvements	September 2022	1,291.34	453.79
Sanitary Sewer Connections		3,227.04	
Totals		16,019.04	4,311.97

**HENRICO COUNTY
CHESAPEAKE BAY TMDL ACTION PLAN**

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.

None. Projects to date have accomplished the 40% requirement.

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

\$0. Projects to date have accomplished the 40% requirement.

- 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