



2020-2021 Programmatic and Numeric Milestones

Revisions and Response to the Environmental Protection Agency

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Milestones and Significant Events Timeline

- December 1 – 2019 Progress Report
- January 15 – 2018-2019 Programmatic Milestones Closeout Report
- February 11 – Final 2019 Progress
- March 2 – 2020-2021 Draft Programmatic and Numeric Milestones
- March 9 – Begin Milestones Public Comment
- March 12 – General Assembly Session Adjourns – Passes \$135B two-year budget
- March 12 - Declaration of a State of Emergency Due to Novel Coronavirus (COVID-19)
- April 7 – End Milestones Public Comment
- April 22 – Reconvened GA Session – Budget “Timeout”
- April 30 – EPA Milestones Evaluation
- May 15 – Phase One easing of COVID restrictions
- June 1 – Final 2020-2021 Programmatic and Numeric Milestones
- TBD - Special Legislative Session to address the biennial budget
- August 1 – EPA Final Milestones Evaluation

Public Comments Received

- VMA
- JRA
- HRPDC
- VAMWA
- CBF
- PEC
- HRSD
- VAMSA
- VFBF
- PRN
- FOR

Public Comments Received

- VMA – Virginia Manufacturers Association
- JRA – James River Association
- HRPDC – Hampton Roads Planning District Commission
- VAMWA – Virginia Association of Municipal Wastewater Agencies
- CBF – Chesapeake Bay Foundation
- PEC – Piedmont Environmental Council
- HRSD – Hampton Roads Sanitation District
- VAMSA – Virginia Municipal Stormwater Association
- VFBF – Virginia Farm Bureau Federation
- PRN – Potomac Riverkeeper Network
- FOR – Friends of the Rappahannock

EPA Evaluation of Virginia's 2018-2019 & 2020-2021 Milestones

Identified **19** 2018-2019 Milestone **Achievements**

Identified **8** 2018-2019 Milestones **Missed**

Identified **23** 2020-2021 Milestone **Strengths**

Identified **18** 2020-2021 Milestone **Key Areas to Address**

Data submitted by Virginia for 2019 Progress was incomplete.

The 2018-2019 simulations and resulting load reduction review included in the evaluation are not indicative of Virginia's actual 2019 progress.

Load difference of 773K pounds N, 63K pounds P, 38M pounds TSS

2019 Progress Reporting Error

- DEQ aggregates data from implementation partners in BMP Warehouse
- Data transmitted to NEIEN for annual progress
 - Nearly 200,000 BMP records
 - Submitted in about 80 separate, uniquely named, XML files
- 2019 submission inadvertently overwrote several XML files
 - 44,000 BMP records lost
 - BMPs were from 2009 to 2018
 - Problem was not evident on NEIEN error reports
 - Problem not caught in VA or CBPO Progress QA/QC
- Final 2019 Progress Scenario February 11
- Missing records identified during review of CAST2019 model updates (3/16)
- Missing records restored in CAST2019 (4/6)
- Change in BMPs Included
 - Poultry Waste Management from 0 to 918K AU treated
 - Livestock Waste Management from 12.6K to 37.2K AU treated
 - Pasture Management Composite from 124K to 349K acres
- Load difference of 773K pounds N, 63K pounds P, 38M pounds TSS

Key Changes

- Added statement regarding uncertainty associated with COVID19 and intent to revisit the Milestones in the fall to determine if revisions are necessary
- Additional detail/clarification on many programmatic milestones
- Numerous updates based on ratified legislation
- Several dates modified, typically 1 - 6 month delay
- Added new Programmatic Milestones
 - D21 – Golf course nutrient management plan renewals
 - D22 – Implementation of living shoreline legislation (SB776)
 - R11 - Append the final nutrient and sediment targets to WIP III
 - R12 – Development of Verification SOP for use by implementation partners

Milestones Documents



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Bay TMDL FAQs

Phase III Watershed Implementation Planning

Chesapeake Bay Watershed Implementation Plans

Chesapeake Bay Nutrient and Sediment Reduction Milestones

Historic Documents: Tributary Strategies

BMP Verification

Resources and Tools

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Virginia's Programmatic Milestones

In addition to the Phase III Watershed Implementation Plan (WIP), Virginia is committed to setting and working towards two-year Nutrient and Sediment Reduction Milestones. These milestones are a part of EPA's accountability framework designed to ensure, with confidence, that the nitrogen, phosphorus, and sediment allocations of the TMDL will be met.

At the beginning of a milestone period, EPA evaluates the proposed commitments and assesses their ability to achieve the reductions outlined in the WIP. At the end of each milestone period, EPA reviews the progress that each jurisdiction has made; the model-estimated loads based on implemented practices are expected to be at or below the jurisdiction's trajectory for meeting the target load for nitrogen, phosphorus, and sediment by 2025.

2020-2021 Programmatic and Numeric Milestones

[2020-2021 Programmatic Milestones](#), [2020-2021 Numeric Milestones](#). If you would like a version of these documents with track changes from the draft milestones, please email the request to Chesbayplan@deq.virginia.gov.

[The EPA Evaluation of Virginia's 2018-2019 and 2020-2021 Milestones with Virginia's comments](#)

[Secretary of Natural Resources Matthew Strickler's letter in response to EPA's evaluation](#)

2018-2019 Programmatic Milestones

Virginia's [2018-2019 Milestones Closeout Report](#) was submitted to EPA on January 15, 2020.



2020-2021 Programmatic and Numeric Milestones

Discussion...Questions?

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Virginia Department of Environmental Quality

7/18/2019

Phase III WIP Implementation Updates

Chesapeake Bay Stakeholders Advisory Group

June 4, 2020

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Agriculture

- HB 1422/SB 704
- Farmer Survey

Wastewater

- WQMP Regs.
- Septic Mapping

Urban

- SB 849
- PDC
Contracting

Multiple

- Mapping State
Lands

Phase III WIP Implementation Updates

QUESTIONS?