

Phase 3 WIP Development Guide

Goal

The development of a final plan that:

1. Is implementable to achieve the Total Maximum Daily Load (TMDL) nutrient and sediment load reduction allocations for Pennsylvania.
2. Results in local water quality improvement while restoring the Chesapeake Bay.
3. Addresses the US Environmental Protection Agency's expectations as described in their finalized "Expectations for the Phase III Watershed Implementation Plans" documentation including:
 - a. Pollutant Source Sector-specific plans for reductions.
 - b. Local area planning goals.
 - c. Consideration of climate change, Conowingo Dam and sector growth, depending on partnership resolution of these issues.
4. Addresses the additional special conditions and expectations EPA has delineated for Pennsylvania due to the Commonwealth's current "backstop" status for the agriculture and urban sectors.
5. Includes stakeholder input, public engagement and comment.

To accomplish this the Phase 3 WIP will build upon the principles of the Chesapeake Bay Restoration Strategy to:

1. Achieve water quality improvement and protection through an effective combination of technical and financial assistance, outreach and inspection, and where needed compliance and enforcement.
2. Focus on local water quality improvement through:
 - a. Effective targeting and prioritization of available resources
 - b. Data collection, monitoring and continuous analysis
3. Document progress and performance through effective data collection and analysis and practice verification.
4. Look for innovative technical and finance strategies to maximize available public and private sector funding.

Timeframe for the Plan

One of the current issues that needs to be resolved as part of the Midpoint Assessment is the final timeframe for implementation. The current timeframe for the plan is 2018 through 2025. Based on analysis, etc. the Program Partnership may come to the conclusion that implementation may have to go beyond 2025, but for now, the assumption has to be that all the plan elements have to be in place by 2025.

Draft Outline for Phase 3 WIP

Executive Summary

Section 1. Introduction

- Background
- Planning Target Allocations
- Progress to Date
- Measures of Success – Outcome Indicators Summary

Section 2. Public Participation Strategy

- Short Term Plan Development
- Long Term Plan Implementation

Section 3. Local Planning Goals

- Priority Watersheds
- Local Initiatives
- Areas of High Nutrient Loadings
- Other (ex. Legacy Sediments)

Section 4. Agriculture

Section 5. Stormwater

Section 6. Wastewater

Section 7. Forestry (Riparian Buffers, Tree Canopy, Land Conservation, etc.)

Section 8. Federal Facilities

Section 9. Other Priority Initiatives

Section 10. Funding

Appendices

- Outcome Workplans

Schedule

DATE	MIDPOINT ASSESSMENT	PHASE 3 WIP
2017		
April-May	Calibration of Models	Steering Committee convened, Game Plan developed.
June-July	Partnership Review of Models	June 5 – Kick-Off Conference to solicit input on what should be in the WIP. Formation of workgroups. Thirty day public comment period to solicit additional written comments.
July -- November	Discussion and Resolution of Issues around Conowingo, Sector Growth, Climate Change	Compilation of input from conference and written comments. Analysis of Watershed Agreement strategies and other data. Discussion of issues being considered by Partnership. Finalization of Methodology for Development of Phase 3 WIP Document. Development of Methodology for Definition of Local Planning Goals
December	Draft Planning Targets	Workgroups begin working on action plans. Review planning targets to determine if realistic, provide comments and recommendations and adjust accordingly.
2018		
April		Finalize review of Draft Planning Targets Workgroup results on analysis of Implementable Plan vs Draft Planning Targets
May	Final Planning Targets Released	
End of August		Draft action plan due from each workgroup
September		Steering committee compiles workgroup products, completes final review of draft WIP and makes recommendations to DEP for its finalization
October-November		Public Comment period on draft WIP
2019		
January		Steering Committee and workgroups review comments and make recommendations to DEP for revisions
February 8	Draft Phase 3 WIP Due	DEP submits draft Phase 3 WIP to EPA
June 7	Final Phase 3 WIP Posted	

Phase 3 WIP Section Development

Each workgroup will use the provided template (see insert below for reference) to identify:

1. Inputs – available resources, needed resources at the local, state and federal level both public and private
2. Process – what is each partner able to do, by when
3. Outputs and outcomes – both short and long-term. These are the goals and objectives that need to be achieved. These are the intermediate indicators that progress will be measured against.

Outcome: Gazillion Pounds of N, P, and S reduced from RFB installation on agricultural lands Goal: 89,000 acres of RFBs Outcome: By 2025, ...10,500 acres installed (rate of 1,500 per year) Long term Target: brook trout habitat restored, terrestrial habitat restored, multifunctional buffers established with markets Intermediate Targets: programs established, funding secured, acres increasing annually, priority area plans, marketing and outreach, change in the dialogue about buffers							
Priority Practice: Riparian Forest Buffers (Agriculture)							
Key Action** <i>Description of work/project. Define each major action step on its own row. Identify specific program that will be used to achieve action.</i>	Performance Target(s) <i>Identify incremental steps to achieve Key Action.</i>	Participating Entity <i>Identify responsible partner for each step.</i>	Geographic Location	Timeline <i>Identify completion date (month & year) for each step</i>	Estimated Project Cost <i>Best estimate of total project cost (needed)</i>	Available funding by Partner	Factors Influencing and/or Gap <i>Identify related factor or gaps</i>
Totals					\$0	\$0	
					gap	\$0	
Totals					\$0	\$0	
					gap	\$0	

The following will be defined once in the top section of the template for each section of the WIP:

- **Outcome** – The load allocation target for each sector, local planning goal or priority practice
- **Long term Target** – Other local water quality or local restoration outcomes that have been defined as important. These are other measures for documenting progress and highlighting success that are meaningful for Pennsylvania.
- **Intermediate Targets** – Measurable steps along the way that can highlight achievement towards the final outcome and long-term target to show whether or not progress is on track.

For each Priority Initiative or program element:

- Use the fields as defined to identify the inputs and the process that will be followed to achieve that priority initiative. This is the nuts and bolts of the plan, where the “who, what, where, when and how” of the plan is described:
 - Key action = what
 - Performance target = how
 - Participating entities = who
 - Geographic location = where
 - Timeline = when
 - Cost, Available Funding = how

Sector-Specific Plans (Sections 4 through Sections 7 of the WIP Outline)

For each Sector the following questions should be answered:

1. Where are we now? What is the starting point or baseline? What has been done so far and where?
2. What are the existing program elements that should be included? For each program element:
 - a. Is the program statewide, in the Bay Watershed only or focused in a localized priority area?
 - b. What are the existing resources devoted to the program?
 - c. Is the program working effectively? If not what changes are needed and what is the plan for making those changes?
 - d. What are the outputs/deliverables produced?
 - i. Milestones
 - ii. Anticipated and actual reductions achieved
 - iii. Other benefits
 - e. Are additional resources needed? If so, what are they?
3. Are there new program elements that should be created for the purpose of achieving the goals of the Phase 3 WIP?
 - a. Should the program be implemented statewide, within the Bay Watershed or focused in a local planning area?
 - b. What are the inputs/resources needed?
 - c. What are the outputs/deliverables produced?
 - i. Milestones
 - ii. Anticipated reductions
 - iii. Other benefits

Based on the EPA Expectations Document and other input, program elements to be considered and issues to be addressed include:

1. Agricultural Plan Compliance Inspection Effort
2. Agricultural Certainty Program
3. Manure Treatment Technologies, Manure Transport
4. MS4 Permitting Program, Pollutant Reduction Plans
5. Chapter 102 Erosion and Sediment Control Program
6. Act 167 Stormwater Planning
7. Septic Systems
8. Biosolids Management (Transfer of load from point source to nonpoint source)
9. Loads from food processing
10. Delivery Ratios in Wastewater System Permits (currently based on Phase 4 of the Model)

Local Planning Areas and Priority Practices (Sections 3 and 9 of the WIP Outline)

The final plan to address each local planning area should include:

1. Characterization of the area:
 - a. Land use, population, etc.; that is, the demographics
 - b. Water Quality data, impaired streams
 - c. Practices already installed
 - d. Amount of reduction achieved through the regulated community – for example, wastewater treatment systems

Handout #5 – November 30 Steering Committee Meeting

- e. Interested groups, watershed associations, etc.
- f. A definition of the upper limit of what is possible (E3 as defined by the Bay Program using CAST)
2. Plan Development:
 - a. Resources Needed
 - b. What is going to be implemented, where and by whom?
 - c. Identified milestones, with outputs and outcomes and identified reductions

Priority Practices:

1. Is there a practice(s) that, for whatever reason, we want to implement basin wide or across a specific targeted area? For example:
 - a. Riparian Buffers
 - b. Abandoned Mine Land Remediation
 - c. Legacy Sediment
 - d. Other
2. If so:
 - a. What are the resources needed?
 - b. Where should this practice(s) be implemented and by whom?
 - c. Anticipated reductions, outputs and outcomes and other benefits
 - d. Milestones for implementation

Other questions to be answered:

1. Which option is preferable/more feasible?
 - a. The Phase 3 WIP includes a final plan for implementation in each identified local planning area
 - b. The Phase 3 WIP defines a reduction goal for each area and a process for developing the plan for implementation to reach that goal
2. Should the Phase 3 WIP include a process for the inclusion of additional local planning areas or priority practices?

Public Comment and Further Local Engagement

The public comment received through the June 5 Kick-Off Session and written comment period that ended July 5, 2017 is categorized as follows in Appendix A (to be developed):

1. Incorporate into the existing programs being considered
2. Idea for a new program
3. Common themes among commentators
4. Ideas that the Workgroup Co-chairs Team should explore further or should be presented to the Steering Committee
5. Topics needing further clarification from the discussion leader or the commentator

Additional public comment and local engagement in the development of the Phase 3 WIP will be implemented starting in January, 2018 and culminating with the posting of the final Phase 3 WIP on June 7, 2019. The strategy for implementing this public participation is described in Appendix B (to be developed). Ongoing engagement as the Phase 3 WIP is implemented will be described in the Phase 3 WIP.