

Phase 3 Watershed Implementation Plan (WIP) Planning and Progress Reporting Template

Date:

Green - action has been completed or is moving forward as planned Yellow - action has encountered minor obstacles Red - action has not been taken or has encountered a serious barrier

Action #	Description	Performance Target(s)	Responsible Party(ies) and Partnerships	Geographic Location	Expected Timeline	Potential Implementation Challenges or Recommendations	Resources Available		Resources Needed		Progress to Date	Justification for Change to Action Item
							Technical	Financial	Technical	Financial		
Priority Initiative 1: Communications and Outreach												
Section 2, State Action, Numeric Commitments												
2.1.1A	Continue communication, outreach and stewardship programs to increase the use of conservation tillage and no-till practices.	306,196 acres in conservation tillage; 805,778 acres in no-till	PDA, SCC, CDs, CCAs, Private Consultants, Penn State Extension, No Till Alliance, Farmland Preservation, Local Farmland Trusts/Conservancies, PA Farm Bureau	Chesapeake Bay	December 2025							
2.1.2A	Continue communication, outreach and stewardship programs to increase implementation of cover crops.	547,695 acres with fall nutrients, traditional cover crop; 161,601 acres of land without fall nutrients, traditional cover crop; 124,106 acres no fall nutrients and harvested crop	PDA, SCC, CDs, CCAs, Private Consultants, Penn State Extension, No Till Alliance, Farmland Preservation, Local Farmland Trusts/Conservancies, PA Farm Bureau	Chesapeake Bay	December 2025	Challenges include CBP definition of cover crop and the inability to report commodity cover crop via transect survey methodology.						
2.1.3A	Continue communication, outreach and stewardship programs to increase implementation of pasture management.	180,201 acres of land used for pasture would follow NRCS Prescribed Grazing Plan or Resource Improvement Practice.	NRCS, Penn State Extension, Private Consultants, CDs			Challenges include CBP definition of Prescribed Grazing and non-alignment with PA State regulatory requirements under Chapter 91 Manure Management and Chapter 102 Ag E&S.						
2.1.1F	Implement a comprehensive communication/outreach strategy to engage farmers/landowners in	85,000ac. of forest buffers planted on agricultural lands, and 3,100 acres of forest buffers on developed/non-ag lands.	DCNR, DEP, PSC, RFBAC, PA WIP III Forestry Workgroup, SCC, PDA, PSU, etc.	PA Bay-Wide	By 2022	Coordination, scheduling, lack of funding for marketing/communications/outreach/education, etc.						

	planting and maintaining riparian forest buffers.											
2.1.2F	Implement a communication/outreach program to engage a variety of turf owners to plant trees and meadows on their properties.	5K acres of “Urban Forest Expansion” (turf to trees) + 5K acres of “Conservation Landscaping” (turf to meadow).	PRPS, DCNR, DEP, agencies and partners, municipalities and parks, etc.	PA Bay-Wide	By 2023	Brand new program- Coordination, scheduling, lack of funding, etc.						
2.1.3F	Communicate the importance and values of forests to facilitate and encourage state and local land conservation programs.	Increase conserved lands both in the headwaters of the PA Chesapeake Bay watershed and near developing areas.	DCNR, DEP, PALTA, etc.	PA Bay-Wide	By 2023	Coordination, scheduling, lack of funding.						
2.1.4F	Emphasize the full range of benefits & co-benefits of stream and wetland restoration to facilitate additional implementation.	Increased acres of wetlands created and restored to approximately 400 acres annually; increased feet of stream restoration projects implemented to approximately 60,000 linear feet annually.	DEP and appropriate NGO partners.	PA Bay-Wide	By 2023	Coordination, scheduling, lack of funding.						
Section 3, Countywide Actions												
3.1.1	Develop communications and outreach strategy for staged approach to WIP planning and implementation in all counties.	Webinars and calls to provide overview of WIP, define the expectations, and discuss next steps with Tier 3 & 4 counties. Designed to prepare these counties for the second phase of the WIP process.	DEP, Technical Coordinator, Bay office, Agencies Outreach, Communication contractor, Communication and Engagement Workgroup, External Contractor	Tier 3 & 4 counties	October-December 2019	Participation and engagement from Tier 3 & 4 counties. DEP/state staffing limitations	See Funding and Resources Section, <i>Resources Needed Phase 2</i> columns below	See Funding and Resources Section, <i>Resources Needed Phase 2</i> columns below	See Funding and Resources Section, <i>Resources Needed Phase 2</i> columns below	See Funding and Resources Section, <i>Resources Needed Phase 2</i> columns below		
3.1.2	Conduct outreach via webinars and one-on-one meetings to provide overview of WIP, define the expectations, and discuss next steps to prepare counties for the WIP planning process.	Tier 3 & 4 counties will explore the potential of forming regionalized planning groups of 2-4 counties. Regional planning groups will begin their regionalized planning process with an assigned external coordinator for focused outreach and engagement to county stakeholders.	DEP, Technical Coordinator, Bay office, Agencies Outreach, Communication contractor, Communication and Engagement Workgroup, External Contractor	Tier 3 & 4 counties	Begins February 2020 (following the completion of Tier 2 county planning)	Regionalized planning still requires counties to submit an individual county plan. State staffing support	See Funding and Resources Section, <i>Resources Needed Phase 2</i> columns below	See Funding and Resources Section, <i>Resources Needed Phase 2</i> columns below	See Funding and Resources Section, <i>Resources Needed Phase 2</i> columns below	See Funding and Resources Section, <i>Resources Needed Phase 2</i> columns below		
3.1.3	Begin implementation of WIP plans completed by four pilot counties.	Assign an external coordinator to each Tier 2 county to assist with WIP planning and implementation efforts.	DEP, Technical Coordinator, Bay office, Agencies Outreach, Communication contractor,	Tier 2 Counties	Begins July 2019	State staffing support Internal and External Coordination	See Funding and Resources Section, <i>Resources Needed</i>	See Funding and Resources Section, <i>Resources Needed</i>	See Funding and Resources Section, <i>Resources Needed</i>	See Funding and Resources Section, <i>Resources Needed</i>		

			Communication and Engagement Workgroup, External Contractor				<i>Needed Phase 1 & 2 columns below</i>	<i>Phase 1 & 2 columns below</i>	<i>Phase 1 & 2 columns below</i>	<i>Phase 1 & 2 columns below</i>		
3.1.4	Seek staffing to support this large-scale coordination and support effort.	An external coordinator will work one on one with the pilot counties to begin the implementation of their countywide action plan.	DEP, Technical Coordinator, Bay office, Agencies Outreach, Communication contractor, Communication and Engagement Workgroup, External Contractor	Pilot Counties	Begins July 2019	State staffing support Internal and External Coordination	See Funding and Resources Section, <i>Resources Needed Phase 1</i> columns below	See Funding and Resources Section, <i>Resources Needed Phase 1</i> columns below	See Funding and Resources Section, <i>Resources Needed Phase 1</i> columns below	See Funding and Resources Section, <i>Resources Needed Phase 1</i> columns below		
Section 10, Communication and Engagement Strategy												
10.1.1	Complete the public comment period and provide a response to comments received.	Comment Response Document will be attached to the final Phase 3 WIP	DEP CBO		August 2019							
10.1.2	Develop the outreach materials, webinars, templates for letters and mailings and success stories identified by the Communications and Engagement Workgroup for their use in message delivery and outreach.	Final materials will be distributed to the C& E Workgroup materials as they are finished for their use.	DEP/DCNR/PDA Communication Office, DEP CBO		As needed			\$200,000				
10.1.3	Finalize the DEP Web-based StoryMap.	Final StoryMap	DEP Communication Office		Summer 2019			\$20,000				
10.1.4	Schedule and participate in focus groups, forums and workshops, as appropriate.	Presentations and summaries of such events and the input provided will be shared as appropriate.	C & E Workgroup members; DEP/DCNR/PDA Communication Offices, DEP CBO	Chesapeake Bay	As needed							
10.1.5	Communications and Engagement Workgroup members will use the delivery tools developed to reach their respective constituents through mailings, newsletters, their respective websites, conferences, workshops, etc. about the importance of clean water and the goals of the Phase 3 WIP.	Mailings, newsletters, websites, conferences and workshops of C&E Workgroup are utilized as appropriate to convey the message developed.	C & E Workgroup members; DEP/DCNR/PDA Communication Offices, DEP CBO	Chesapeake Bay	Between now and 2025							

Priority Initiative 2: Funding and Resources												
Section 2, State Action, Programmatic and Narrative Commitments												
2.2.1	Pass legislation providing a funding source or combination of funding sources for the implementation of the Phase 3 WIP.		PDA, DCNR,DEP, State Legislature, Governor’s Office		2019-2020 Session							
2.2.2	Identify the process and develop specific procedures for the award of “block grants” to the lead planning teams for the implementation of the CAPs.	Policy and procedures and a grant agreement developed for use in the development and award of grants to counties in the implementation of the CAPs	DEP, Comptroller’s Office		Fall 2019							
Section 2, State Action, Numeric Commitments												
2.2.1A	Investigate the incorporation of alternative manure treatment technologies and other potential strategies to address areas of excess manure nutrient generation and capital investment required for implementation of manure treatment systems.	Identify various strategies to minimize nutrient imbalances in areas of excess manure nutrient generation, including the incorporation of manure treatment technologies and manure transport, as they are determined to be feasible.	PDA, SCC, DEP Nutrient Trading Program, NRCS	Counties that are identified to have excess manure generated for crop need	December 2025	Capital investment and cost effectiveness is of concern.						
2.2.1F	Maximize existing funding sources for riparian forest buffer implementation in Pennsylvania.	Fully utilize existing funding sources for buffer implementation and maintenance annually, including federal, state, and private programs (esp. under-utilized programs such as REAP).	DEP (GG, 319), UDSA (CREP+), SCC (REAP), DCNR (C2P2) TreePennsylvania (TreeVitalize) CBF (K10), etc.	PA Bay-Wide	By 2025	Rigid programs, existing restrictions, coordination, lack of understanding about all individual programs, etc. Lack of funds to start a new program.						
2.2.2F	Expand TreeVitalize and utilize other programs to facilitate community tree planting and maintenance.	50 New Acres of New Urban Trees (300 trees = 1 acre)	Tree Pennsylvania, DCNR, PSU, municipal partners, etc.	PA Bay-Wide	By 2022	Coordination, scheduling, lack of funding.						
2.2.3F	Create additional, flexible funding options for riparian forest buffers.	Develop new, innovative PA (or Ches. Bay) funding source and mechanism for Buffers, including incentive programs for landowners utilizing buffer co-benefits such as wildlife habitat, income/product potential, flood mitigation,	All agencies and partners	Bay	Ongoing/ ASAP	Innovation, Funding, Coordination, etc.						

		etc. Streamline funding source similar to DCNR’s NFWF-Funded Stream ReLeaf program.										
2.2.4F	Ensure that riparian forest buffers are adequately maintained to ensure survival by developing a Maintenance funding source for NGOs to develop their own maintenance programs.	Develop a Riparian Forest Buffer Maintenance funding source to create the capacity for NGOs to develop their own maintenance programs for new and already-implemented buffers (up to 5 years after initial planting).	All agencies and partners involved in riparian forest buffer implementation	PA Bay-Wide	Ongoing	Lack of interest in funding maintenance from traditional funding sources as it does not result in “new” load reductions.						
2.2.5F	Continue and Increase Urban Tree Canopy Grants to Communities and non-governmental organization Partners	Utilize and increase funding available through the TreeVitalize annual grant program. Encourage tree planting and/or conservation of existing tree canopy in existing DCNR Grant programs, other agency grant programs as appropriate (grants to community parks, etc.) Connect this work to DCNR’s Climate Plan.	DCNR, Tree Pennsylvania, PRPS	PA Bay-Wide	Ongoing	Current Funding does not meet demand. Processes, procedures, and administration.						
2.2.6F	Leverage existing funding sources for Stream and Wetland Restoration.	Explore potential to improve leveraging of EQIP, CFA and REAP programs to support creditable/conforming stream and wetland restoration implementation, management and monitoring.	DEP, NRCS, SCC, NGOs, DCNR, Universities, etc.	PA Bay-wide	Ongoing	Strict program regulations, lack of knowledge about existing programs and creditable BMPs, etc.						
2.2.7F	Develop funding opportunities for turf conversion programs.	Include Conservation Landscaping as an eligible BMP in existing conservation grant programs. Seek new innovative funding sources and mechanisms. Explore funding opportunities tied to flood mitigation.	DCNR, TreePennsylvania, TreeVitalize, DEP, etc.	Bay-wide	By 2021	Time, finding funding sources, etc.						
2.2.8F	Continue to implement stream restoration, emphasizing creditable, load-reducing projects. Pair stream restoration projects with tree planting BMPs whenever possible. Identify areas that may have a high cost-to-benefit ratio for load reductions from legacy sediment removal	Identify areas that would benefit from Legacy Sediment Removal and Ecosystem Restoration throughout priority areas of the watershed	DEP, CDs, Watershed Organizations, Private sector companies or NGOs working on remote sensing tools			Capital investment for design/implementat ion is of concern.						

	and associated ecosystem restoration.											
Section 3, Countywide Actions												
3.2.1	<p>Phase 1 (Pilot and Tier 2 counties): Provide 8 – Community Clean Water Coordinators (External Full Time position)</p> <p>Phase 2 (Tier 3 & 4 counties): Provide 13 – Community Clean Water Coordinators (External Full Time position)</p>	<p>External coordinating staff would be assigned to individual Tier 1 & 2 counties in phase 1, and to regionalized Tier 3 & 4 counties in phase 2. External Coordinators would be DEP contractors reporting to the DEP Internal Coordinators. Serve as the point of contact to their assigned county(ies). They would support county efforts to develop and implement countywide action plans.</p>	<p>DEP</p> <p>External Contractor</p> <p>County Planning Offices</p> <p>County Conservation Districts</p> <p>Other County Partners</p>	Bay counties	<p>Phase 1: Begins in July 2019</p> <p>Phase 2: Begins in February 2020</p>	<p>State staffing support</p> <p>Internal and External Coordination</p>			<p>Total: 21 – Community Clean Water Coordinators (External Full Time position) Phase 1: 8 – Community Clean Water Coordinators (External Full Time) Phase 2: 13 – Community Clean Water Coordinators (External Full Time)</p>	<p>Total: 21 – Community Clean Water Coordinators (\$2,100,000 (\$100,000 per coordinator) Phase 1: 8 – Community Clean Water Coordinators \$800,000 Phase 2: 13 – Community Clean Water Coordinators \$1,300,000</p>		
3.2.2	<p>Phase 1: Provide 3 – Community Clean Water Coordinator (Full Time Internal Coordinator Position)</p> <p>Phase 2: Provide 7 – Community Clean Water Coordinator (Full Time Internal Coordinator Position)</p>	<p>Internal Coordinators: Would be DEP employees. Internal Coordinators would serve as the point of contact and provide WIP coordination for DEP and all other state agencies for external coordinator and technical coordinators.</p>	DEP		<p>Phase 1: Begins in July 2019</p> <p>Phase 2: Begins in February 2020</p>	<p>State staffing support</p> <p>Internal and External Coordination</p>			<p>Total: 10 – Community Clean Water Coordinator (Full Time Internal Coordinator) Phase 1: 3 – Community Clean Water Coordinator (Full Time Internal Coordinator) Phase 2: 7 – Community Clean Water</p>	<p>Total: 10 – Community Clean Water Coordinator (\$1,000,000 (\$100,000 per coordinator) Phase 1: 3 – Community Clean Water Coordinator \$300,000 Phase 2: 7 – Community Clean Water Coordinator \$700,000</p>		

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Priority Initiative 3: Expanding Capacity for Technical Assistance

Section 2, State Actions, Programmatic and Narrative Commitments

2.3.1	Implement a pilot of the Center for Water Quality Excellence concept in the four pilot counties of Lancaster, York, Adams and Franklin Counties.	A Request for Proposals will be released and awardee put in place. Assistance will be provided to landowners and municipalities to complete projects.	DEP, Pennvest	Lancaster and York	RFP done Summer 2019 Pilot done Summer 2021							
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9.3.1	Complete the Penn State Study, <i>Climate Change Impacts on Pennsylvania's Watershed Management Strategies and Water Quality Goals</i>	Study will answer some key questions that will be used to more effectively select and target practices that will address climate resiliency goals.	DEP, Penn State	Statewide	December 2019							
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2.3.1S	Complete revisions to the Pennsylvania Stormwater BMP Manual		DEP, Villanova University and subcontractor	Statewide	2021		Villanova University					
Priority Initiative 4: Reporting and Tracking												
Section 2, State Actions, Programmatic and Narrative Commitments												
2.4.1	Pass legislation to revise Pennsylvania’s Right to Know Law to allow for additional confidentiality of landowner records.				2019-2020 Legislative Session							
2.4.2	Develop a planning and prioritization tool for use in the development and refinement of the CAPs.	A final tool available to county planning teams for use in the prioritization and tracking of practices and future planning	DEP, EPA, Chesapeake Conservancy	Chesapeake Bay	2020							
2.4.3	Release a request for proposals for a contractor to begin the pilot project for the use of Lidar and remote sensing technology to identify BMPs installed for the control of stormwater as part of development activities.		DEP, DCNR	Chesapeake Bay	January 2020							
2.4.4	Continue enhancements to PracticeKeeper.		DEP	Statewide								
2.4.5	Finalize the revised draft Pennsylvania BMP Verification Plan and receive EPA’s approval of the plan.	Implementation of a final approved plan.	DEP and approved verifiers	Chesapeake Bay	Begin Summer 2019							
2.4.6	Work with the EPA Bay Program Partnership to enhance the existing crediting protocols for programs and practices that improve water quality in Pennsylvania not currently getting full credit in the Chesapeake Bay Watershed Model.	Finalized crediting protocol that considers all aspects of practices and programs not currently getting credit in the Chesapeake Bay Watershed Model that improve water quality in Pennsylvania.	DEP, Bay Program Partnership		January 2022							
2.4.7	Install additional monitoring station(s) and begin to collect “real-time water quality data on the Susquehanna River to further document the story of progress made by Pennsylvania’s efforts to	Monitoring station(s) and water quality results.	DEP Bureau of Clean Water	Susquehanna River	January 2021				1 person	\$600,000		

	restore local streams and the Chesapeake Ba as part of implementation of the Phase 3 WIP											
Section 2, State Actions, Numeric Commitments												
2.4.1A	Work with the Chesapeake Bay Program Partnership to establish a creditable practice or combination of practices for implementation of advanced soil health strategies or plans on farms in the Chesapeake Bay Watershed Model for future crediting of these initiatives. Once established as a practice or set of practices that can be credited for progress in the model, commit additional funding or the technical and financial assistance necessary to implement these practices.		DEP, PDA, SCC		January 2021	Buy in from the Chesapeake Bay Program Partnership						
2.4.2A	Expand reporting of dairy precision feeding	Assess and report implementation of dairy precision feeding for 175,000 Animal Units (approximately 152,000 milking cows)	PDA, Dairy Co-ops, PACS Program, Dairy Nutritionists, PA Dairyman’s Assoc., CDs, NRCS		December 2025	Voluntary program. Need to have the ability to track and report what dairy farmers are already doing.						
2.4.3A	Expand reporting of Enhanced Nutrient Management	<p>64,640 acres with no manure applied would be managed based on a nitrogen and phosphorus based nutrient management plan;</p> <p>64,640 acres with no manure applied would be managed with nutrient management plans to meet nitrogen and phosphorus requirements as well as supplemental practices based on rate, timing, and placement for nitrogen and phosphorus.</p> <p>Tracking of acres with manure applied, where the land would be managed with nutrient management plans to meet nitrogen and phosphorus</p>	4R Nutrient Stewardship Alliance, PACS, CCAs, CDs, SCC, DEP		December 2025	Voluntary program. Need to have the ability to track and report what farmers are already doing.						

	reporting program that municipalities can use to report on-lot system operation and maintenance.											
Section 3. Countywide Actions												
3.4.1	Track and report progress in Phase 3 WIP planning and implementation in all counties.	Development of Countywide Action Plans (CAPs) in all counties in Pennsylvania’s Chesapeake Bay Watershed.	DEP, Local planning leaders, External Coordinators	All Counties in CBWS	Phase 1 Begins July 2019 Phase 2 Begins Feb 2020	State staffing support Internal and External Coordination						
3.4.2	Update reductions in the County Planning Progress template upon completion of each county plan.	Completion of Countywide Action Plans (CAPs) in all counties in Pennsylvania’s Chesapeake Bay Watershed.	DEP, Local planning leaders, External Coordinators	All Counties in CBWS	Phase 1 Begins July 2019	State staffing support Internal and External Coordination						
3.4.3	Track and report progress to continue implementation of the Phase 3 WIP State Numeric Commitments described in Section 4, State Actions in the counties with minimal reductions.	Completion of Countywide Action Plans (CAPs) in all counties in Pennsylvania’s Chesapeake Bay Watershed.	DEP, Local planning leaders, External Coordinators	All Counties in CBWS	Phase 2 Begins Feb 2020	State staffing support Internal and External Coordination						
Priority Initiative 5: Compliance												
Section 2, State Actions, Programmatic and Narrative Commitments												
2.5.1	Pass the Fertilizer Bill to achieve the identified nutrient reductions on urban and agriculture lands.				2019-2020 Legislative Session							
2.5.2	Review, consider and potentially incorporate a revised Phosphorus Index into the planning requirements for land application of biosolids.	Incorporate revised P index tool into future nutrient management planning efforts where approved for use	SCC, Penn State, DEP, NRCS	Statewide	July 2020							
2.5.3	Develop State Agency nutrient reduction planning goals and the associated Action Plans for meeting those planning goals for the installation of practices on lands owned and maintained by state agencies.	Completed State Agency Action Plans for the reduction of nutrients on lands owned and operated by state agencies.	DEP, DCNR, Other Agencies responsible for the management of state lands, Governor’s Office	Watershed-wide	January 2021							

Section 2, State Actions, Numeric Commitments												
2.5.1A	Implement NPDES Concentrated Animal Feeding Operation (CAFO) Program Delegation	Permit 100% of all CAFOs (350+ operations in Chesapeake Bay Watershed); Inspect 20% of all permitted CAFO operations annually, per CMS	DEP									
2.5.2A	Complete complaint follow-up for CAFO and non-CAFO facilities		DEP, SCC, CDs									
2.5.3A	Implement Chesapeake Bay Agriculture Inspection Program, Phase 1, with an emphasis on meeting state planning requirement on non-CAFO operations.	Inspect 10% of the agricultural acreage annually. 50 inspections will be performed per CD Bay Technician; 100 inspections will be performed per DEP Regional Office Water Quality Specialist per year.	DEP, CDs	Chesapeake Bay	Ongoing							
2.5.4A	Implement Chesapeake Bay Agriculture Inspection Program, Phase 2, with an emphasis on meeting both state planning and implementation requirements on non-CAFO operations.		DEP, SCC, CDs, NRCS, Private Consultants	Chesapeake Bay	Ongoing	Available funding for Technical Assistance and construction of BMPs remains a concern.						
2.5.1S	Complete the Pollutant Reduction or Total Maximum Daily Load Plan Reviews for the 2018 Municipal Separate Storm Sewer System (MS4) permits	Complete technical review and issue permits	DEP, MS4 permittees	Statewide	2019	MS4s not addressing DEP review comments, staff shortages	Existing DEP regional office staff	-	Additional DEP regional office staff	-		
2.5.2S	Develop the 2023-2028 MS4 Permit	In the development of this permit, provide opportunities for input from stakeholders, including but not limited to the Phase 3 WIP Stormwater Workgroup, as part of the normal public participation process.	DEP	Statewide	2019 through 2022							
2.5.3S	Develop the Industrial Stormwater Permit		DEP	Statewide	2019 through 2021							
2.5.4S	Develop of 2019-2024 Construction Stormwater Permit		DEP	Statewide	2019							

Phase 3 Watershed Implementation Plan (WIP) Planning and Progress Reporting Template

Each county-based local area will use this template to identify:

- 1. Inputs – These are both existing and needed resources, public and private, to implement the identified priority initiative. These include both technical and financial resources, such as personnel, supplies, equipment and funding.
- 2. Process – what is each partner able to do where and by when. These are the action items listed under each priority initiative.
- 3. Outputs and outcomes – both short and long-term. These are the priority initiatives identified by each county. The performance targets are the intermediate indicators that will measure progress.
- 4. Implementation challenges – any potential issues or roadblocks to implementation that could impede outputs and outcomes.

Asterisk: Place an asterisk next to the action number(s) for action items that appear in both the County Planning and Progress Template and the Programmatic Recommendations Template.

For each Priority Initiative or Program Element: Use the fields, as defined below, to identify the inputs and the process that will be followed to achieve each priority initiative. This is the “who, what, where, when and how” of the plan:

Description = What. This may include programs that address prevention, education, or as specific as planned BMP installations that will address the Priority Initiative. A programmatic or policy effort will require some ability to quantify the anticipated benefits which will allow calculation of the associated nutrient reductions.

Performance Target = How. This is an extension of the Description above. The Performance Target details the unique BMPs that will result from implementation of the Priority Initiative and serves as a benchmark to track progress in addressing the Priority Initiative. Performance Targets may be spread across multiple Responsible Parties, Geographies, and Timelines based on the specifics of the Initiative.

Responsible Party(ies) = Who. This is/are the key partner(s) who will implement the action items though outreach, assistance or funding, and who will be responsible for delivering the identified programs or practices.

Geographic Location = Where. This field identifies the geographic range of the planned implementation. This could extend to the entire county or down to a small watershed, based on the scale of the Priority Initiative, range of the Responsible Party, or planned funding/resources. *NOTE: Resource limitations alone should not limit potential implementation as additional funding may become available in the future.*

Expected Timeline = When. Provide the expected completion date for the planned activity. This should be a reasonable expectation, based on knowledge and experience, that will aid in tracking progress toward addressing the Priority Initiative.

Resources Available: Technical & Funding = This field will note technical and financial resources secured/available to implement the program (Description). This is the total of the resources identified in the County Resources Inventory Template below allocated to the priority initiative as a whole; or, if available, to each action.

Resources Needed: Technical & Funding = This field will note technical and financial resources needed/outstanding to implement the program (Description). This is the total of the additional resources projected and identified as needed in the County Resources Inventory Template below allocated to the priority initiative as a whole; or, if possible, to each action.

Potential Implementation Challenges/Issues = This field will note challenges and issues that may delay program implementation (Description).