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

Action #	Description	Performance Target(s)	Responsible Party(ies) and Partnerships	Geographic Location	Expected Timeline	Potential Implementation Challenges or Recommendations	Resources Available				Resources Needed				Review Checklist Comments
							Technical	Source	Financial	Source	Technical	Suggested Source	Financial	Suggested Source	
Priority Initiative 2: Urban and Developed Stormwater															
2.1	MS4 Community Partnership Projects	Partner with MS4 Communities to assist with sediment and nutrient removal projects. Target projects that MS4 communities are implementing that would increase nutrient reductions.	WVSA, DAMA, municipalities, LCD, County Planning	MS4 Communities	2021-2025	Cost of implementation and development of partnership.	Program Guidance, project design	DEP, Consultants	Cost of implementations	Municipal funds, other grant funds	Provide input and identify possible cooperative efforts for project implementation/enhancement	LCD Watershed Specialist & additional outreach staff member	Dedicated and sustainable funding source for district staff positions & implementation of projects	State & Federal grant funds $40,000 per year for staffing	
2.1a	Collect data on existing/planned PRPs from MS4s Permittees	Quantify completed and planned efforts and projects to meet MS4 Permit requirements.	WVSA, DAMA, municipalities, LCD, PennDOT	MS4 Communities	2021-2025	Staffing to collect and report existing pollution reduction plans.	Knowledge of existing MS4 permits	DEP, MS4 Coordinators	N/A	N/A	Dedicated staff to compile existing data and complete outreach to MS4 permittees and data entry	LCD outreach staff member	Dedicated and sustainable funding source for district staff position	State & Federal grant funds $40,000 per year for staffing	
2.2	Residential Stormwater Management Program	Develop an outreach, technical assistance, and cost-share program for implementing	LCD, PSU Extension, WVSA, DAMA	County	2022-2025	Lack of staffing, funding for materials; resistance to participation; maintaining BMPs	Existing example programs	Virginia Conservation Assistance Program	Cost of management	Private funds, state grant funding	Dedicated staff to develop and coordinate the program	LCD, PSU Extension	Dedicated and sustainable funding source for district staff positions &	DEP Growing Greener, DEP CBP, dedicated state funding $100,000 per year	

		water quality improvement BMPs on residential and small commercial properties. 75 residential properties per year											implementation of outreach programs and projects	
2.3	Nutrient and Fertilizer Planning for Turf Grass	Create outreach program to encourage and provide guidance to property owners and local governments for the development of and implementation of plans and for improving nutrient/fertilizer use on turf grass. 2 programs per year	LCD, PSU Extension	County Turf grass areas	2024	Reporting and Lack of participation	Guidance documents, outreach materials	PSU Extension	Funding for planning	Private funds	Dedicated staff to develop and coordinate the program, Example plans, outreach,	LCD, PSU Extension, Local governments, consultants	Dedicated and sustainable funding source for district staff positions & implementation of outreach programs	DEP Growing Greener, DEP CBP, dedicated state funding, Local Grants $75,000 per year
2.4	Existing Stormwater BMP retrofit and Maintenance Program	Upgrade and maintain existing basins, drainage systems to improve function 10 systems per year	Municipalities, WVSA, DAMA, School Districts, landowners, Recreational properties	Existing sites within county	2022-2025	Funding; identifying suitable facilities	Example projects, Guidance documents, Development of planting specs, coordinating projects with landowners	LCD, WVSA, DAMA, consultants	Municipal/ authority funds	Local taxes/fees	Design assistance, landowner outreach, and project design/permitting, Site data collection;	LCD Watershed Specialist, Consultants	Dedicated and sustainable funding source for staff position(s)/ consultants and design/implementation funds	DEP Growing Greener, DCED Flood Mitigation Program DCED Watershed Restoration & Protection Program other state local grants/funds $400,000

2.5	Urban Green Space and Planting	Increase Green Space and continue to plant trees and shrubs within urban settings 35 acres per year	Municipalities, Landowners, LCD, PSU Extension	Developed areas with minimal green space	2021-2025	Funding and Participation	Development of planting specs, coordinating projects with landowners	LCD, PSU Extension	Tree sapling source	CBF K10, DCNR C2P2 Program	Design assistance, landowner outreach, and project design	LCD, PSU Extension	Dedicated and sustainable funding source for staff position(s) and design/implementation funds	DEP Growing Greener, DCNR C2P2 Program, CBF K10 Program, other state local grants/funds $200,000 per year	

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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).