

Final West Virginia Restore Clean Water Action Items

January 1, 2018 – December 31, 2019 Jurisdiction Programmatic Two-Year Milestones

	Target Date	Milestone (WIP page reference)	Deliverable	Lead Agency	Comments/Status Updates
Phase 3 WIP					
1.	06/30/2019	Coordinate the development of the Phase III WIP among WV's Chesapeake Bay partners.	Final Phase III WIP	WV DEP-Hartman	Complete.
2.	06/30/2018	Assess Phase 6 projected loads and targets and identify sector loads.	WIP III	WV DEP - Montali/Donner/Hartman	Complete.
3.	06/07/2019	Determine implementation strategies to achieve target loads in the Phase 6 model.	WIP III	WV DEP, WVDA, WVCA, R9, and stakeholders	Complete.
4.	12/31/2018	Conduct a series of Local Leadership Work Sessions to obtain input and understand feasible strategies for nutrient and sediment reductions during WIP III development.	WIP III	Region 9 Planning and Development Council	Complete. Region 9 held a series of local input meetings with its communities during the summer of 2018. The Region 9 Coordinator continues to meet with local leaders updating them on the outcomes of those meetings and engaging them on current program status and future projections to meet program responsibilities.
5.	6/7/2019	Involve local government and stakeholders in the development of WIP III strategies to address developed lands runoff especially in non-regulated areas.	WIP III	WV DEP - Donner	Complete. WV personnel attended local government and stakeholder meetings to solicit input. Also requested WIP III review from key individuals, stakeholders, and the general public.

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6.	6/7/2019	Incorporate BMPs in WIP III to address growth in urban loads.	WIP III	WV DEP - Donner	Complete. Counties expected to experience growth have pre- and post-construction BMP requirements in place.
Urban Stormwater					
7.	12/31/2019	Fulfill training requests by MS4s.	2-year milestone annual report	WV DEP - Donner	Complete. Presented a Stormwater workshop on 10-25-2018 to solicit WIP III input, promote New Performance Standard BMPs, BMP reporting, the WV Watershed Resources Registry, and a detailed section on Regenerative Stormwater Conveyance. Collaborated with the Chesapeake Stormwater Network to present workshop. Trained PEs on using the WV Runoff Reduction BMP spreadsheet tool in Martinsburg, WV on January 29, 2019.
8.	12/31/2019	Train interested parties on LID and BMPs.	2-year milestone annual report	WV DEP - Donner	Complete. Trained PEs and interested parties on BMP design and implementation at the WV Construction EXPO on March 21, 2019. Also addressed in trainings listed under Milestone 7.

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9.	12/31/2019	Continue to encourage LID, Better Site Design, and BMPs that address water quality. Focus on New Performance Standard BMPs for both Runoff Reduction and Stormwater Treatment.	2-year milestone annual report	WV DEP - Donner	Complete. Advised PEs, property owners, local government, and partner organizations on BMP selection and pollution reduction calculations. Also addressed in trainings listed under Milestones 7 and 8.
10.	12/31/2019	Continue outreach to communities without stormwater regulations to encourage stormwater BMP implementation and maintenance.	2-year milestone annual report	WV DEP - Donner	Complete. Conducted outreach and contracted with TetraTech through EPA to hold educational workshops and develop conceptual plans for green infrastructure opportunities in Romney and Martinsburg. Also addressed in trainings listed under Milestones 7 through 9.
11.	12/31/2019	Simplify current BMP tracking database to use for Phase 6 only.	2-year milestone annual report	WV DEP - Donner	Complete. Simplified database and removed CBWM Phase 5 reporting capability to simplify and reduce confusion by users.
12.	12/31/2019	Provide training for simplified BMP reporting and tracking to interested parties.	2-year milestone annual report	WV DEP - Donner	Complete. Added BMP reporting training to WV Runoff Reduction BMP spreadsheet tool.
13.	12/31/2018 12/31/2019	Collaborate with Cacapon Institute to ensure inspection and reporting of BMPs.	NEIEN data submission	WV DEP - Donner	Complete. CommuniTree tree planting numbers are included in 2019 progress submittal. Cacapon Institute has been a valuable and effective partner over the years with a terrific track record of BMP implementation and educating pupils, the public, and local organizations.

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14.	12/31/2018 12/31/2019	Submit Stormwater BMPs annually.	NEIEN data submission	WV DEP - Donner	Complete.
15.	12/31/2019	Coordinate with federal facilities to ensure accurate submission of stormwater BMPs at federal facilities.	NEIEN data submission	WV DEP – Hartman/Donner	Complete. Received DoD’s BMP report; reached out to USFWS to clarify which BMP name their 3 acre tree planting fit into; found a new contact for NFWF project reporting (John Dawes, who manages FieldDoc).
16.	12/31/2019	Make major progress on BMP implementation for the Shepherd Village Co-Housing project.	2-year milestone annual report	WV DEP - Donner	Project complete.
17.	12/31/2019	Appear on one, radio broadcast per month to discuss local environmental issues, which may include but not limited to water quality and the Chesapeake Bay program. Conduct education and outreach at all levels of society.	2 year milestone annual report	Region 9 Planning and Development Council	Complete. The Region 9 Chesapeake Bay Coordinator has appeared on WEPM 1340 AM Martinsburg radio every month, with the exception of October being cancelled to illness and November being cancelled due to the Thanksgiving Holiday. Talking points of these segments can be provided upon request.
18.	12/31/2019	Work with 2 local governments to include urban tree canopy goals into their comprehensive plan.	2 year milestone annual report	Region 9 Planning and Development Council	Complete - <ul style="list-style-type: none"> • The City of Charles Town has included language regarding Urban Tree Canopy (UTC) on page 152-153, and 164. (https://www.charlestownwv.us/vertical/sites/%7B497B4BB1-9A1F-47D0-AF93-

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					<p>611C825E6674%7D/uploads/Comprehensive_Plan_-_Final(1).pdf) February 2018</p> <ul style="list-style-type: none"> The City of Martinsburg has identified using Tree Canopy as a strategy to mitigate stormwater (pg. 40) https://drive.google.com/file/d/1rN0ggp2YJGF9gUm4j9-NAhWTfGbYEQDQ/view
19.	8/31/2019	Reissue the Municipal Separate Storm Sewer Systems Permit.	Reissued permit	DEP - Permits	Preparing draft permit and hoping to issue by 12/31/2020.
20.	5/31/2018	Reissue the Oil and Gas Construction Stormwater Permit.	Reissued permit	DEP - Permits	Under litigation, hopefully, modified or reissued by 12/31/2020.
21.	12/31/2018	Reissue WV NPDES construction stormwater general permit.	Reissued Permit	DEP - Permits	Under litigation and EPA's objection; working on drafting new permit to be issued by 12/31/2020
22.	12/31/2018	Complete revisions to WV MS4 Modification Application.	2 year milestone annual report	DEP - Permits	Once permit is issued, WV DEP will revise.
23.	3/31/2019	Investigate the feasibility of improving documentation/reporting of fertilizer sales data used to track future fertilizer application rates.	2 year milestone annual report	DEP – Koon WVDA - Monroe	WVDA and WVDEP will continue to work toward a more accurate accounting of fertilizer sales and use data.

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Wastewater					
24.	12/31/2018 12/31/2019	Input compliance schedules and orders into EPA's Integrated Compliance Information System.	Data in system	WV DEP - Patel	Complete.
25.	12/31/2018 12/31/2019	Update inventory of WWTPs with upgrades and schedules as needed.	Spreadsheet	WV DEP - Wandling	Complete. Updated spreadsheet attached.
26.	12/31/2018 12/31/2019	Review compliance of newly upgraded systems with NPDES permit limits.	2 year milestone annual report	WV DEP - Wandling	Complete. Significant facilities were reviewed quarterly by WVDEP Program Support Staff. In 2018, the City of Petersburg's Outlet 001 (permit number WV0021792) and the Berkeley County PSSD's Outlet 005 at Opequon-Hedgesville WWTP (permit number WV0082759) exceeded their annual TN and TP limits. In addition, WVDEP Program Support Staff identified discharge monitoring reports reporting errors for Shepherdstown Corp.'s Outlet 001 (permit number WV0024775) and worked with the facility for corrections and resubmissions of those reports. Shepherdstown Corp. was also identified as having exceeded their annual TN allocation; therefore, the facility was referred to WVDEP's Environmental Enforcement on July 18, 2018. In 2019, the City of Martinsburg's Outlet 001 (permit number WV0023167) also exceeded their annual TN limit. All

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					facilities received Notices of Violation (NOVs) for exceeding the permitted limitations for said parameters.
Offsets and Trading					
27.	12/31/2018 12/31/2019	Update and maintain offsets tracking and accountability system in accordance with EPA requirements.	2 year milestone annual report	WV DEP - Patel	Complete. Spreadsheet attached.
28.	12/31/2018 12/31/2019	Consider and, if appropriate, approve, offset requests on a case by case basis.	2 year milestone annual report	WV DEP - Patel	4 offsets in 2018 – see spreadsheet.
29.	4/12/2019	Account for and describe how WV will offset growth in Phase III WIP.	Draft Phase III WIP	WV DEP	Complete (can be found on p.10-11 of WIP3)
Agriculture					
30.	12/31/2018	Maintain cover crop adoption of a minimum of 7,000 acres annually (with high potential for additional acreage) within the Potomac Valley and Eastern Panhandle Conservation Districts by providing increased incentives to plant additional acreage and boost early cover crop adoption in 2018.	2 year milestone annual report	WVCA	Due to a much wetter than normal year, annual reportable cover crop implementation for the 2 districts in 2018 was 4,157 acres. Cover crop implementation in 2019 was 9,355.64 acres.
31.	12/31/2019	Update WV based Chesapeake Bay display to showcase the annual progress that has been	2 year milestone	WVDA/WVCA	Complete. There are 2 displays that are updated annually. Currently, one display

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		made in the eight-county region (to be utilized by Ag partners for outreach purposes).	annual report		is in the Eastern Panhandle Conservation District and the other is in the Potomac Valley Conservation District.
32.	12/31/2019	Continue to develop a series of WV Chesapeake Bay videos promoting BMP adoption (i.e. Nutrient Management Plans, Cover Crop, Stream Restoration, Riparian Buffers, Animal Waste Storage).	2 year milestone annual report	WVDA/WVCA	A video showcasing WV's Nutrient Management Planning accomplishments was developed and released in the summer of 2017. Video equipment has been purchased and footage is being gathered. A video showcasing a stormwater project at the Jefferson County Fairgrounds has been completed and released. The project utilized a material that would be ideal for Heavy Use Area Protection.
33.	12/31/2019	Implement a formal riparian buffer outreach strategy to increase the adoption of effective buffers by 200 acres annually. This will be in conjunction with our federal, state and local partners and could include mass mailings, public meetings, news article series, videos, etc. that promote both riparian buffers in general and CREP.	2 year milestone annual report	Agriculture	WVCA and FSA worked in conjunction to mail approximately 500 one-page informational flyers to producers in the 8 county Bay region in 2018. In 2019, a workgroup was created to explore ways to promote CREP and buffers. Due to the delay in finalizing rules after the 2018 Farm Bill, the program was not promoted in 2018. Despite that, over 200 acres of CREP were enrolled or re-enrolled during the sign up that ended 8/23/19.
34.	12/31/2018	Host a comprehensive programmatic and technical CREP training with classroom and field components for all CREP partners. This	2 year milestone	FSA/WVDOF/WVCA	CREP training was delayed due to some program revisions between NRCS and FSA as well as due to some unresolved

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		will address new staff, consistency in program delivery, program compliance, and monitoring and maintenance issues.	annual report		issues between WVCA and FSA with respect to WV's CREP agreement and one-time payments. Due to the delay in availability of CREP rules as a result of the 2018 Farm Bill, a training was not held in 2019. However, it is expected to take place in Spring 2020.
35.	12/31/2018	Implement agriculture BMP verification training program for staff	2 year milestone annual report	WVDA/WVCA/NRCS/FSA/WVDOF	West Virginia's Agriculture Verification Program is currently under development. It is slated for completion by late spring 2020. Before launching, WVDA will complete a training program with all staff involved. This will be accomplished by June 30, 2020.
36.	12/31/2018	Begin Verification program using an adaptive management approach	2 year milestone annual report	WVDA/WVCA/WVDOF	West Virginia's Agriculture Verification Program is currently under development. It is slated for completion by late spring 2020. Before launching, WVDA will complete a training program with all staff involved. This will be accomplished by June 30, 2020.
37.	12/31/2018	Outreach to Agricultural Partners to communicate WIP III Targets and expectations.	2 year milestone annual report	WVDA/WVCA	Complete. Meetings were held with representatives from the Potomac Valley and Eastern Panhandle Conservation Districts, NRCS, FSA, and DOF as these are the agencies that will be involved in WIP III implementation.
38.	12/31/2019	Work with Agricultural Partners to develop strategies to meet WIP III goals. Form a	2 year milestone	WVDA/WVCA	Complete. Meetings were held with representatives from WVDA, WVCA,

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		workgroup to meet on a monthly or quarterly basis to develop numerical goals to achieve targets	annual report		NRCS, FSA, and DOF to develop numeric goals to achieve the WIP III targets. The WIP was submitted to EPA.
39.	12/31/2019	Form workgroup to meet on a monthly or quarterly basis to write the narrative section of the WIP III	2 year milestone annual report	WVDA/WVCA	Complete. While an official workgroup was not formed, staff from WVDA, WVCA, and WVDEP joined forces to develop and edit the WIP III document.
40.	12/31/2019	Increase litter transfer tonnage annually through WVCA and Region 9 focused efforts on outreach and increased funding	2 year milestone annual report	WVCA	Approximately 6,200 tons of poultry litter was transferred out of the Bay watershed as part of the cost-share program in 2018. It is important to note that wetter than average weather impacted the transfer of litter. Approximately 7,327 tons of poultry litter was transferred in 2019.
41.	12/31/2019	Develop a proposal outlining potential, viable market options for poultry litter and poultry biochar. <ul style="list-style-type: none"> • Alternative Uses of Poultry Litter - West Virginia has numerous ongoing projects that are evaluating alternative uses and new technology for poultry litter. • (Pg. 63, WV-WIP-2) • Pg. 77, WV-WIP-2, Section 8D.3.e 	2 year milestone annual report	Region 9 Planning and Development Council	Complete – Region 9 partnered with Eastern West Virginia Community and Technical College Workforce Regional Center and Services, to aggregate current and existing research, conduct value chain mapping, and recommend next steps in making poultry litter more accessible to emerging markets in a report. The report can be found at http://www.region9wv.com/chesapeake-bay.html