

January 1, 2016 – December 31, 2017 Delaware’s Programmatic Milestone

Target Date	Milestone (Phase 2 WIP Section Reference)	Deliverable	Lead Agency	Comments/Status Updates
Stormwater				
2016	Provide technical support to Delegated Agencies for implementing the revised sediment and stormwater regulations (Section 7.1.1.4)	Staff Support	DNREC, SSP	Technical staff from the Sediment & Stormwater Program will attend project application meetings in 2016 on an as-needed basis.
2016-2017	Maintenance Inspections as part of Verification Program (Section 4.2.2)	Inspect 200 BMPs	Conservation Districts	Districts will inspect expired BMPs and provide inspection reports. The intent is to ensure proper and continued function of the stormwater facilities and look for ways to gain additional water quality improvements. This project is funded through the Chesapeake Bay Regulatory and Accountability Grant.
6/2016	Stormwater Water Quality Projects/Stormwater Retrofits for Town of Blades (Section 4.2.2)	1 BMP	Sussex Conservation District	The Town of Blades’ stormwater retrofit project is scheduled to commence in Spring 2016 with an expected completion by 6/2016. This project funded by the Chesapeake Bay Implementation Grant.
2016-2017	Working with conservation partners, assess nitrogen loads from urban nutrient management (Section 8.6.1)	Increase landowner participation in the CB watershed from 0 to 50 for step 1 and 0 to 5 for step 2	DNREC, TBD	The Livable Lawns Program was launched in 2014 as an incentive program for homeowners to encourage those who apply their own fertilizer to use Livable Lawns practices. The Livable Lawns program has been expanded to Sussex County and the Chesapeake Bay Watershed which will help us assess the urban nutrient issues. The requirements for both Step 1 and Step 2 of Livable Lawns are here: http://www.delawarelivablelawns.org/statement.php . This project is to be funded through the Chesapeake Bay Regulatory and Accountability Grant and Implementation Grant. Outreach will continue to the Chesapeake Bay communities.
12/2016	GIS Analysis of high risk lawns in CB watershed; provide targeted outreach to those identified (Section 8.5.12)	Outreach	DNREC	
12/2017	Increase participation of commercial applicators in the Livable Lawns program (Section 8.5.12)	Increase certified applicators to 8 statewide (2 of those being in the CB watershed)	DNREC	The Livable Lawns Program certifies lawn care companies that follow environmentally-friendly practices in fertilizer application while educating property owners: http://www.delawarelivablelawns.org/commercial.php . We will increase the number of certified applicators in the state.
12/2017	Refine Sediment & Stormwater Program (SSP) offset program (Section 7.1.1.4)	Policy & Procedural Guidelines	DNREC, SSP	The SSP will develop formal policies and procedural guidelines to further refine the offset program under the revised Delaware Sediment & Stormwater Regulations. This will involve coordinating with the Water Infrastructure Advisory Council as well as various stakeholders to expand the list of eligible offsets beyond the current fee-in-lieu process.

				As of January 2016, the Sediment and Stormwater Program is establishing a workgroup to discuss and develop an offset process. The workgroup will convene over the next couple of months.
12/2017	Increase Urban Tree Canopy (Section 8.6.2)	5 acres/year	DDA, Delaware Forest Service	
10/2016, unless a public hearing is requested	Finalization of Phase II MS4 General Permit for the State of Delaware (Section 7.1.2.2.3)	Fully developed and fully reviewed Phase II MS4 Permit	DNREC, SWDS	The Phase II MS4 finished the internal review process and was posted on the DNREC-SWDS website for preliminary informal comment in October 2015. This informal comment period will remain open through January 31, 2016. DNREC-SWDS will then address comments, continue outreach efforts, and proceed to formal public notice during the summer of 2016 unless comments warrant significant revision and stakeholder discussion. If this schedule can be maintained, it is anticipated the permit will be finalized and signed effective by October 2016 unless a public hearing is requested.
12/2016	Work with communities on MS4 permit compliance (Section 7.1.2.2.4)	Identify municipalities needing coverage, Outreach	DNREC, SWDS	<p>Through 2010 census data, fifteen additional municipalities in Delaware were newly identified as requiring a Phase II MS4 permit; several of the newly identified MS4s drain to the Chesapeake Bay Watershed. Five of the fifteen newly identified MS4s may be eligible to submit a waiver request. Upon issuance of the Draft Phase II MS4 General Permit (MS4 GP) for public comment, Loss of our MS4 Technical lead has delayed roll out of the MS4 GP, but SWDS will notify newly identified MS4s of requirement for permit coverage and initiate outreach efforts to educate permittees on MS4 GP. SWDS has the goal of transitioning all Phase II MS4 permittees (newly identified and exiting) to the Phase II MS4 General Permit by 2016.</p> <p>The fifteen (15) municipalities identified as requiring MS4 Phase II permit coverage via 2010 Census data were notified in writing of this change in status in October 2015. This notification letter explained the current status of the Phase II MS4 General Permit, encouraged comments, and notified jurisdictions that they are required to obtain coverage under the Phase II General Permit upon finalization.</p> <p>On November 5, 2015 DNREC and DEAWRA held a MS4 Symposium in Bridgeville, DE to present draft Phase II MS4 General Permit requirements and provide an MS4 networking and training opportunity for those in attendance. DNREC-SWDS will continue outreach efforts via meeting with constituents, newly identified MS4, and interested parties. DNREC is also working to contract for MS4 outreach assistance for Chesapeake Bay communities by Spring of 2016.</p> <p>The draft Phase II MS4 General Permit has been distributed for informal public comment and new MS4s have been notified of their designation as of October 2015. SWDS intended to utilize the NEMO (Nonpoint Education for Municipal Officials) Program through the</p>

				University of Delaware to perform this Task; however, NEMO does not have the availability to perform the actions detailed in the Task at this time. Therefore, SWDS will need to issue a Request for Proposal and establish a contract for this task.
Wastewater				
2016-2017	Review Wastewater Treatment Workgroup protocol for advanced onsite systems (Section 6.6)	Protocol Review and Approval	DNREC, GWDS	Review and approve protocol for advanced onsite wastewater treatment systems across all of the Bay Watershed jurisdictions. Two FTEs participate on the Chesapeake Bay Data Sharing committee sponsored by EPA for approval of N units for on-site wastewater and is an active member of the Wastewater Treatment Workgroup. This work will be ongoing.
2016-2017	Development of Septic Pumpout Tracking Database (Section 6.4)	Septic Pumpout Tracking Database; Phone application for pumpouts using the existing DE Environmental Navigator (DEN) to have GIS capabilities to record location and number of gallons pumped from septic tanks	DNREC, GWDS/DTI	Database needs are ongoing to update systems and make more user friendly applications. The application of this milestone is contingent upon funding.
2017	Update permit fee schedule (Section 6.3) and review funding for water and wastewater	New fees for wastewater permitting and operation; possible resources to update infrastructure for water and wastewater	DE General Assembly	Must be approved by Delaware's General Assembly and signed by Governor; fees have not been updated since 1991. The General Assembly passed a resolution to form a Task Group to review funding for water and wastewater. The group will report back to the General Assembly 2016.
01/2016 - 2017	Implement new Class I Construction Inspectors (Section 6.4) for on-site wastewater treatment and disposal systems	License Class I Construction Inspectors to inspect all new and replacement	DNREC, GWDS	Currently 14 Class I Construction Inspectors have been trained and licensed by the State. Inspections shall start 1/12/2016. The implementation has begun and is going through the QA/QC process by GWDS staff; inspections that have been submitted are going through a random review process.

		systems (100 percent inspection rate) of on-site wastewater treatment and disposal systems (septics).		
8/2016	Reissue the NPDES permit for the Town of Laurel. Reissued permit will include a compliance schedule with measurable goals to meet the new waste load nutrient requirements of the WIP (Section 5.4)	Revised permit	DNREC, SWDS	A contractual engineer was hired to address the Laurel WWTP permit renewal. Draft permit is 95% completed. DNREC has been in discussion with Region 3 on the best method of dealing with the CSO in regards to the NPDES permit renewal. EPA Region 3 has indicated that since the CSO separation project is scheduled to be performed this year and funding has been allocated towards the project, the CSO separation can be handled via separate Compliance Order with Laurel and the NPDES permit may proceed without incorporation of CSO requirements. DNREC anticipates public notice and final permit renewal to occur in early summer 2016.
2017	Develop an inventory of wastewater treatment plants that have been upgraded and those scheduled for upgrades (Section 5.4)			We have 1 minor and 4 majors in the Chesapeake Bay watershed.
6/2016	Revise regulations for industrial storm water sites that addresses not only the Chesapeake Bay TMDLs, but also other TMDLs established within the State of Delaware. The new regulations will also establish new guidelines that reflect new federal mandates, implement stricter standards such as the inclusion of effluent limitations, and may require stricter reporting and monitoring requirements. (Section 7.1.2.1.4)	Revised Regulations	DNREC, SWDS	SWDS has initiated discussions with an outside party to determine costs/level of effort for development of a Delaware specific industrial storm water general permit based on EPA's MSGP. SWDS is in the process of hiring a part-time contractual employee to perform this task.
2016-2017	SWDS remains committed to reducing the NPDES permitting backlog in Delaware (Section 5.4)	New Staff	DNREC, SWDS	SWDS hired a part-time contractual engineer late May 2015 through mid-July 2015 to work on drafting the Laurel WWTP permit renewal. The NPDES permit renewal for the Laurel WWTP was drafted prior to the contractual engineer leaving for medical reasons; however, DNREC is working with Laurel and EPA Region 3 to determine best path forward for addressing Laurel's CSO separation project in the permit renewal prior to going to public notice.

				DNREC-SWDS has made significant progress on NPDES permit backlog reduction over the last two years. The part-time contractual engineer hired via CBRAP funding was able to draft three (3) NPDES permit renewals during his employment with SWDS. One of the three has been signed effective and is no longer contributing to Delaware's backlog. The other two will go to public notice in the 2016=2017 milestone period.
Agriculture				
9/2016	Establish early planted acres of cover crops by utilizing the Sussex Conservation District's Air Seeder. (Section 9.3.6)	Additional 2,000 acres of cover crops per year	SCD	By utilizing the SCD Air Seeder, the SCD will implement approximately 2,000 acres of additional early planted cover crops in the watershed.
10/2016	Agricultural Water Quality BMP Inspections as part of Verification Program (Section 9.3.6)	100 Structural Ag BMP inspections and all cover crop acres	SCD, DNREC	Sussex Conservation District will work with DNREC to inspect and to verify expiring practices by October 2016.
2017-2020	Increase BMPs for beginning farmers (Section 9.3.6)	Assist beginning farmers implement poultry headquarters water quality BMPs. Increase BMPs for beginning farmers.	SCD	In February 2016, Sussex Conservation District received approval for an RCPP grant to help beginning farmers with the implementation of poultry headquarters BMPs. The NRCS EQIP program is oversubscribed in Sussex County and beginning farmers may have to wait two years or more before receiving financial assistance with BMP implementation. Through the RCPP, SCD will assist beginning farmers with EQIP funding in a timely manner. A farmer will only wait a couple months instead of a couple years.
2017	Sussex Conservation District will purchase a mobile application for reporting, tracking, and verifying BMPs (Section 9.3.6)	Mobile application	SCD	Purchase a field tracking tool called "PracticeKeeper" to verify and track water quality BMPs including all historical BMPs, cover crops, conduct conservation planning, compliance inspections.
12/31/2016	Education and Outreach Cost-Share Policy (Section 9.3.6)	Installation of agricultural BMPs at 2 schools	Sussex Conservation Districts	The Sussex Conservation District implemented a cost-share policy for school districts, FFA programs, 4-H programs, etc. to assist with implementation of water quality BMPs. In 2016, additional BMPs to be installed at Sussex Technical High School's. Sussex Conservation District anticipates other school districts or Ag education programs may take advantage of these funds in FY 16 and FY 17.
1/2017 and 3/31/17	Animal feeding operations in Ches. Bay Watersheds to be covered by a Concentrated Animal Feeding Operation permit (Section 9.3.2)	167 NOIs for CAFOs public noticed by end of 2016 and registered under CAFO GP1 by 3/31/17. CAFO	Delaware Dept. of Agriculture/DNREC	DNREC has a regulatory appeal to the CAFO NPDES General Permit for Large and Medium poultry farms that do not have any crop production and do not land apply manure (GP1). This General Permit was set for final issuance 4/26/16. As of 4/28/16, 167 farms have submitted a Notice of Intent (NOI) for coverage under this General Permit. DNREC and DDA will be working to move on from the appeal process and notice the 167 NOIs under this permit in the coming year. Language for the next CAFO general permit for land-applying poultry operations (GP2) will be drafted, anticipating one complete and ready for

		GP2 drafted and submitted to EPA by 12/31/16 and public noticed by 3/31/17.		the formal approval process in the coming year. 2017 goals, due to the legal challenge are too speculative. Staffing funded through Chesapeake Bay Regulatory and Accountability Grant Program.
12/2016	Lead efforts to correctly determine the quantity and nutrient balance of Delmarva (Section 9.3.1)	Drafting technical spreadsheet and report	DDA, Delmarva Litter Challenge	DE's NM Program is leading the technical team of data analysts to develop a Delmarva Mass balance with the best available data and scientific assumptions.
2017	DNREC will commission a pilot watershed assessment to help characterize and assess the status of a small, agriculturally impaired subwatershed (Section 9.6)	Assessment Report	DNREC, DDA, USDA, Conservation Districts	This assessment will guide implementation efforts of AG BMPs to reduce nitrogen and phosphorus loadings. This assessment will take place in the Choptank watershed.
12/2016	Develop a 1619 Data Sharing Agreement	Agreement	DNREC, NRCS	Delaware will work with NRCS to develop a 1619 data sharing agreement between the two agencies to submit NRCS cost shared agricultural practices for inclusion in CBWSM.
12/2016	Conduct Soil Health Workshops in the Chesapeake Bay Watershed (Section 9.6)	4 Outreach workshops	Kent and Sussex Conservation Districts	The Districts will hold four workshops for farmers to educate them on soil health techniques such as no-till, crop rotations, and planting cover crops. In order to change the mindset of the farming community, these proven technologies need to be shared with farmers and show them by using these soil health management practices will improve soil health, increase crop yields, and the bottom line. This project funded through Chesapeake Bay Implementation Grant. Overall, Sussex Conservation District reached over 300 people through soil health workshops and field days in 2015. More workshops are planned for 2016.
2016-2017	Maintain Manure Transport (Section 9.6.1.14)	Maintain manure transport numbers	DDA	Manure transport rates are currently \$0.12 per ton mile. Total tons of manure moved to sites or alternative uses with low/non-existent P levels was upwards of 60,000. Portions of this project may be funded through the Chesapeake Bay Implementation Grant Funds.
12/2016	Research conducted by UD in conjunction with USGS and DNREC on the effectiveness of irrigation on Ag BMPs (Section 9.6)	Research Phase of Project Completed; Final Report (2016)	UD, DNREC, USGS	This research evaluates irrigation as a BMP. Knowledge gained from this research will be presented to AGWG and pending expert panel evaluation. This project funded through Chesapeake Bay Implementation Grant. Final report completed by the end of 2016.
12/2016	Evaluate the effects tax ditch dip out practices and impacts on water quality (Section 9.6)	Research Phase of Project Completed; Final Report (2016)	UD, DNREC	Recommendations will guide future management practices to improve environmental benefits. Last samples collected December 2015. Preparing and submitting final report to DNREC by June 2016. Pending results of this investigation, the final report may be presented to the CBPO for consideration as a BMP in the CBWSM. This project funded through Chesapeake Bay Regulatory and Accountability Grant Program.

2016	Work with AG partners to pilot a woodchip bioreactor and denitrification wall (Section 9.6)	Implementation of 1 BMP	NRCS, Conservation Districts	Sussex Conservation District will identify a project location in 2016. This project to be funded with Chesapeake Bay Implementation Signatory Funds.
11/2017	Increase early planting of rye cover crops in Sussex County portion of the Chesapeake Bay Watershed (Section 9.3.6)	Additional 6,950 acres of early planting, rye, cover crop implementation	DNREC, Sussex Conservation District	To accelerate implementation of the WIP and address water quality degradation due to excess nutrients and sediment, SCD will assist DNREC to cost share an additional 6,950 acres of cover crops as part of a larger Soil Health Initiative. Funding was awarded through the NRCS RCPP a multi-state grant with MD and VA to increase high priority WIP BMPs.
12/2016	Explore possible legislation regulating non-farm fertilizers (Section 8.6.1)	Participate in exploration	DDA and Delaware Center for Inland Bays	Technical and Agency personnel will have concerted discussions with subject matter experts related to the feasibility and cost of the DE Nutrient Management Program increasing effort to regulate urban nutrient application. This will include estimates of increased education an outreach state-wide.
2017	Scientific review of Phosphorus Site Index (Section 9.6.4.8)	Informal report with sources	DDA and UD	Investigate the scientific literature on phosphorus transport and water quality impacts since the DE P index was published, including the recent NRCS Conservation Innovation Grant projects on P indices in the Chesapeake Bay watershed, to determine if P Site index revision is necessary for DE Nutrient Management Program's technical standards in order to avoid P over-application, P build up in soils, and P losses. Host a meeting with EPA to discuss the results of this investigation.
12/2017	DNREC and DDA will work together to quantify and offset any increase in nutrient loads resulting from increases of bird numbers from growth in the poultry industry (Section 9.3.2)	Assessment	DNREC and DDA	More details will be forthcoming in DE's comments to the EPA Expectations document.
12/2016	Compliance improvement plan (Section 9.3.1)	Participate in local and regional Grant Proposals	DDA and other state partners	The DE Nutrient Management plan will develop proposals for grants connecting fertilizer sales data with statistical confidence intervals for which to base inspection protocols. Additional projects may include farmer survey and outreach as well as targeted follow-up site visits for program participants with inadequate feedback in manure testing, annual report submissions and continuing education credit maintenance.
12/2016	Database Correction Plan (Section 9.3.1)	NM database conversion to new system	DDA	The DE NM program will convert their early 90's era database to a modern database on the Salesforce architecture which already houses contact information for program participants. BMPs like NMPs, Manure transport and practices associated with CAFOs will be gleaned and collected into the future in this tool. Other enhancements will be evaluated as well.
12/2016	Increase oversight of Urban Nutrient Management (Section 8.6.1)	Implement new inspection protocols for NM Plans	DDA	The DE NM Program Administrator will meet individually with all newly certified Planning Consultants to ensure higher quality plans and improve inspection performance. This is a new initiative.
2016	Participate in the newly established Agricultural Drainage Ditch BMPs	Expert panel coordination	DDA and DNREC staff	DE Nutrient Management Program staff are leading by coordination the first AG BMP expert panel not hosted by the Bay Program Office. This panel has a scope of 12 sub-

	Expert Panel (Section 9.6.3.4)			practices and expects to produce a report for the Phase 6 model.
12/2017	Increase implementation of animal mortality freezers (Section 9.6.1.18)	BMP implementation	DNREC and Sussex Conservation District	Increase mortality freezers from 16 to 20.
12/2017	Implement “4R nutrient stewardship” including advanced nutrient management, wetland restoration and other natural filters, denitrification bioreactors, gypsum soil amendments, and cover crops (Section 9.6)	Implementation of Ag BMPs in the targeted watersheds of Choptank, Nanticoke, and Pocomoke	Chesapeake 4R Alliance	<p>Through the Regional Conservation Partnership Program (RCPP) and the Delmarva Conservation Partnership, NRCS will provide new funding to landowners in focus watersheds on the Delmarva Peninsula.</p> <p>The three-year effort will bring \$5 million to farmers and landowners in the Choptank, Nanticoke and Pocomoke watersheds in Maryland and Delaware to implement 4R nutrient management enhancements. The Chesapeake 4R Alliance highlights choosing the Right nutrient source to apply at the Right rate in the Right place at the Right time, and install targeted practices to trap nutrients before they move to waterways.</p>
2017-2019	DACD partnered with MASCD to Submit an RCPP Grant for the implementation of cover crops in the Chesapeake Bay Watershed (Section 9.6)	Additional 9,000 acres of cover crop implementation	Delaware Association of Conservation Districts	To accelerate implementation of the WIP and address water quality degradation due to excess nutrients and sediment, conservation districts will cost-share an additional 9,000 acres of cover crops. Funding was awarded through the NRCS RCPP multi-state grant with Maryland Association of Conservation Districts. Implementation beginning in 2017.
10/2016	Delaware will provide adequate documentation to EPA to support its 2015 nutrient management compliance levels.	Documentation.	DDA and DNREC	<p>The Compliance documentation will be on par with the accepted compliance documentation of the other Delmarva states and include the following:</p> <ul style="list-style-type: none"> • Aggregated compliance inspection results and compliance determinations conducted by DDA for the model reporting year, to the extent that they are meaningful, including the % of operations inspected and process for choosing the operations to inspect (random sampling, etc.). • Aggregated compliance levels reported in the Annual Reports that Delaware producers are required to submit for the model reporting period, including the % of total farms complying with the annual report submission requirements following a sufficiency review by DDA. • An update to the crosswalk report narrative describing how DDA used the relevant data sources to estimate compliance levels for each nutrient management tier for the model reporting period.

Planning & Landuse

6/2016	NFWF Chesapeake Bay Small Watershed Grant – Building Local Government Capacity in Sussex County,	Provide technical assistance to the nine municipalities	Sussex Conservation District	The Sussex Conservation District met with the Chesapeake municipalities to inform them of the project and the technical assistance that was available to them. In communicating successes and lessons learned, SCD has established a monthly email newsletter with relevant
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	DE (Section 8.2.3)	located all or in part of the Chesapeake Bay Watershed		articles and upcoming events and funding opportunities. Five of these newsletters have been sent out to date, and the District continues to evaluate the most effective and accessible methods of knowledge transfer. SCD has worked with the towns of Seaford, Laurel, Georgetown, Bridgeville and Greenwood to identify and prioritize potential green infrastructure projects, as well as some of the barriers to implementation. SCD has also identified and is pursuing a tracking and reporting tool that may be used for these and other projects. SCD provided assistance to apply for grant funding for implementation of several green infrastructure projects, and will work with the municipalities over the next year to see those projects through completion.
6/2016	Laurel Waterfront Redevelopment Plan for Broad Creek (Section 8.2.11)	Implementation of Green Infrastructure Upgrades	University of Delaware Landscape Design Program	Production of the construction drawings for the green infrastructure/stormwater features for two of the design components is expected to be completed by 1 JUN 2016. The Town along with partners are seeking funding to implement the green infrastructure components in the public spaces associated with this plan. Projects include bioretention areas, living shoreline, etc. Implementation is contingent on the availability of funding.
2016	Implementation of Green Infrastructure improvements along 6 th Street and the Rossakatum Branch in Laurel (Section 8.2.11)	Implementation of Green Infrastructure Improvements	Town of Laurel and George, Miles and Burh, Inc.	The Town of Laurel has applied for and received approval for a loan through the Delaware's Clean Water State Revolving Fund to implement this project. Construction is expected to occur starting in or after September 2016. Cost of the project is expected to be up to \$1.5 million. Projects included installation of multiple Filterra units, and separation of a combined sewer system.
12/2016	Validate build out scenarios Bethel (Section 8.2.1)	1 build out scenario map approved by the Town and Bethel	University of Delaware (UD) Sustainable Coastal Communities Initiative	Components of a Bethel mini-WIP have been completed, including a wastewater assessment and green infrastructure plan, which is in the implementation phase. Scenario map and final plan will be completed by the end of 2016.
6/2016	Implementation of Green Infrastructure Improvement Plan and design to address stormwater in Bethel (Section 8.2.4)	Implementation of Green Infrastructure Improvements	Town of Bethel and George, Miles and Burh, Inc.	The Town of Bethel, along with Laurel, received technical assistance funding from the National Fish and Wildlife Foundation to develop design plans and engineering for Green Infrastructure Improvements within the community. Phase 1 of the plan was funded and completed in Winter 2015-2016. The Town and partners are seeking funding for additional phases of the project. Phase 1 included implementation of bioretention gardens, Filterra tree boxes, shoulder stabilization. Future phases will include living shoreline and additional bioretention and Filterra units.
6/2016	Validate build out scenarios for Seaford Sewer District (Section 8.2.1)	2 build out scenario maps approved by the City of Seaford and the Town of	University of Delaware (UD) Sustainable Coastal Communities Initiative	

		Blades		
12/2017	Seaford Park Stormwater Improvement Plan (Section 8.2.1)	Implementation Plan for Green Infrastructure Improvements	University of Delaware (UD) Sustainable Coastal Communities Initiative	The City of Seaford with assistance from the University of Delaware Sustainable Coastal Communities Initiative has commissioned a feasibility study, conceptual design drawings and profile drawings to address a shoreline erosion problem along the Nanticoke River at Riverfront Park. A planting plan and recommendations will also be provided for 2 additional City parks to address flooding and provide for riparian buffer plantings.
12/2017	Validate build-out scenarios for Delmar. (Section 8.2.1)	1 build out scenario map approved by the Town of Delmar	University of Delaware (UD) Sustainable Coastal Communities Initiative	
12/2017	Validate Build out scenarios for the Chesapeake Bay portion of Kent County (Section 8.2.1).	Build out scenario maps for Kent County, Harrington, Farmington, and Hartly.	DNREC, University of Delaware (UD) Sustainable Coastal Communities Initiative, Office of State Planning Coordination, Kent County	
12/2017	Validate Build out scenarios for the unincorporated Chesapeake Bay portion of Sussex County (Section 8.2.1).	Build Out Map(s)	DNREC, University of Delaware (UD) Sustainable Coastal Communities Initiative, Office of State Planning Coordination, and Sussex County	
12/2017	Validate Build out scenarios for the Chesapeake Bay portion of New Castle County and Middletown (Section 8.2.1).	Build Out Map(s)	DNREC, University of Delaware (UD) Sustainable Coastal Communities Initiative, Office of State Planning Coordination, New	

			Castle County and Middletown.	
12/2017	Delaware will complete a Sector Load Growth Demonstration. (Section 8.1.1)	Assessment	DNREC	
12/2017	DE will ensure that tracking and accounting for offsets is accounted by the stormwater regulatory process. (Section 8.3.2.1)		DNREC	The revised Sediment and Stormwater regulations have provisions to account for offsets for new development.
12/2017	DNREC and DDA will work together to evaluate the growth in the poultry industry (Section 9.3.2)	Assessment	DNREC and DDA	More details will be forthcoming in DE's comments to the EPA Expectations document.
2017	Participation in CBPO Offset Workgroup (Section 8.3.2.1)	Workgroup participating	DNREC	Delaware does not expect to have a standalone offset workgroup. Any offsets will be included as a part of the stormwater regulatory process. More details will be forthcoming in DE's comments to the EPA Expectations document.
Restoration & Public Lands				
2016	Implementation of Nanticoke Restoration Plan (10.4.1)	Implementation; restore > 4,300 linear feet of stream	DNREC, USFWS, DU	Projects have been identified through the Nanticoke Restoration Plan. This Nanticoke River Tax Ditch Project has been planned and designed to maintain approximately 4,342 linear feet of the Nanticoke River Tax Ditch using a natural channel design approach to restore drainage capacity, while creating stream bed habitat diversity and reducing bank erosion between Redden Rd and Fawn Rd. East of Bridgeville, Sussex County, Delaware. This is a critical fishery habitat in the State and this approach will improve it while allowing the tax ditch to be maintained for the first time since original construction in the early 1970's. The project was approved by the Resource Conservation and Development Project by the Joint Committee for Capital Improvement in 2008. The construction start date was January 4, 2016. CBIG 1 Funding will be used to complete the first phase; additional funds from CBIG 2 will be used for this project.
2017	Reforest 20 acres of state owned lands at Trap Pond State Park (Section 11.1.2)	Reforestation of 20 acres	DNREC, Delaware State Parks	Convert and reforest 20+ acres of agriculture land
2016-2017	Implement 24 acres of tree planting in Blackbird State Forest – Cypress Complex Tract. (Section 10.1.2)	Tree plantings of 24 acres	DDA, Delaware Forest Service	
12/2016	Update historical water control structure data to include drainage areas (Section 10.3.1)	Update historical data	DNREC, DTI	

12/2017	Development of a targeted approach to incentivize riparian buffers for landowners (Section 10.4.1)	New program	DNREC	
12/2017	Identify additional areas of stream restoration within tax ditches of the Chesapeake Bay Watershed and prioritize potential projects based on willing landowner participation (Section 10.4.1)	GIS map with sections of tax ditch that are in need of restoration with willing landowners highlighted	DNREC	
Communications & Outreach				
6/1/16	Evaluate current outreach goals and incorporate diversity and environmental justice goals (Section 14.1)	Determine opportunities to incorporate diversity and environmental justice goals into citizen stewardship outreach.	DNREC	
12/31/16	Public outreach events, workshops, contests, recreational opportunities (Section 14.1)	Participate in 12 outreach events, workshops, contests, or recreational opportunities	DNREC	
12/31/16	Participate in interviews with local news stations (Section 14.1)	4 Radio/TV/Online interviews	DNREC	
12/31/16	Social Media Management (Section 14.5.1)	Manage social media accounts	DNREC	
12/31/16	Video Production (Section 14.5.1)	Produce / add 4 new videos to Delaware Watersheds playlist	DNREC	

12/31/16	Host webinar viewings (Section 14.5.1)	Host Center for Watershed Protection webinars	DNREC	
12/31/16	Inform city and county government of funding resources that support WIP goals (Section 14.1)	Email contact	DNREC	Inform city and county governments in the state and all qualifying stakeholder groups 4x/year through ConstantContact
12/31/16	Staff communications workgroups (Section 14.1)	Workgroup participation	DNREC	Staff the Delaware WIP Communication Workgroup maintaining minutes, creating agendas and managing logistics, carrying out and reporting on plan activities.
12/31/16	Develop and Strengthen Partnerships (Section 14.4)		DNREC	Develop or strengthen partnerships with environmental and conservation groups providing support, information materials and other resources for them to conduct outreach and communications to their established memberships and publics.
12/31/16	Pledge Campaign (Section 14.5.3)	500 water quality pledges	DNREC	Collect 500 pledges from individuals to improve water quality
12/31/16	Video Production (Section 14.5.3)	Add 4 new videos to Delaware Watersheds playlist	DNREC	Delaware Livable Lawns video to be done in Spring 2016