

**Charles County Fiscal Years 2016 - 2017 Programmatic Milestones  
(Completed July 2017)**

Target Date	Milestone	Deliverable	Lead Agency*	Comments/Status Updates
<b>Interim Strategies for Load Reductions by Sector: 2016-2017</b>				
<b>Funding:</b>				
Thru 2017	Pursue funding for medium to large scale septic connection projects through the Bay Restoration Fund (BRF). (MS4 Permit, WRE, and WIP)	Status updates	PGM-Capital Services, RIM	Projects in the design and engineering phase include White Plains, Benedict & Hughesville septic connection to sewer. Funding from BRF not yet pursued.
Thru 2017	Determine if an increase in funding the Watershed Protection and Restoration grant program is warranted based on need and success of non-profit projects. (WPRP Code)	Annual Budget	PGM-Planning	The FY 2018 budget is currently sufficient for non-profit projects, and is not proposed to be increased at this time.
<b>Tracking &amp; Reporting:</b>				
Thru 2017	Begin to utilize the UMD Extension SMART tool to track stormwater management practices on private land. (MS4 Permit)	SMART Tool Data	PGM - Planning	Coordinate with MD Extension regarding the SMART tool installation.
Thru 2017	Ensure the County receives nutrient credits for all septic system BMPs (pump-outs, BAT upgrades, sewer connections). Enter this data in the MS4 geodatabase format. (MS4 Permit, WRE, and WIP)	MS4 Geodatabase	Health Department, PGM - Planning	The FY 2017 data has been updated in the MS4 Geodatabase and submitted to MDE/WSA in Dec 2017.
Thru 2017	Continue mapping the stormwater system in GIS. (MS4 Permit)	County Stormwater GIS	PGM - RIM, CPIS, Planning	This is an ongoing project, with continuous updates.
Thru 2017	Continue to migrate data to MS4 geodatabase format, and populate data as needed. Continue to enhance tracking of all mandatory geodatabase fields. (MS4 Permit)	MS4 Geodatabase	PGM - Planning	The MS4 geodatabase structure has been established, and a county permit stormwater data sheet is implemented for collecting the necessary fields.
<b>Coordination:</b>				
Thru 2017	Align MS4 annual reporting w/Sept. 30 annual WIP BMP progress reporting date, as feasible	Annual reporting date	PGM - Planning	With significant changes to data and reporting requirements, this date which is three months earlier than the required reporting date, has not been achieved.
Thru 2017	Build/Enhance partnerships with MD State Highway Administration, Charles County Schools (public, private, higher education, ect.), and watershed groups, etc.	MOU with SHA for Watershed Restoration, Outreach & Restoration Activities	PGM - Capital Services, Planning	A Restoration Project MOU with SHA was established in April 2016. Additionally, County staff attended multiple career days at public elementary schools (spring and fall 2016, and spring 2017), demonstrating the watershed model to over 400 students.
Thru 2017	Track Maryland's Nutrient Trading Proposal, and specifically the 'trading in time' between the stormwater and wastewater sectors for coordination purposes (MS4 Permit)	Review of opportunities to trade.	PGM - Planning	Staff attended the January 2016 Nutrient Trading workshop, and demonstrated the necessity of trading-in-time, via the Financial Assurance Plan submitted to MDE/WMA June 2016.
Thru 2017	Continue to pursue the engineering and construction of the White Plains, Benedict and Hughesville septic connections to sewer projects. (MS4 Permit and WIP)	Tracking Information	PGM - CS, Planning, RIM	The White Plains project is ready for construction, while the other two projects are in various permitting and funding stages.

Posted 3.22.18

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<b>Outreach/Education:</b>				
Thru 2017	Continue implementing and tracking Septic Pump-Out Program, and develop related outreach opportunities for program enhancement. (MS4 Permit and WIP)	Outreach Materials	PGM - Planning	Program start date July 1, 2014, and ongoing. Achieves approximately 22 acres of restoration credit annually.
Thru 2017	Continue to promote the use of BRF for BAT upgrades and septic connections for small scale projects. (MS4 Permit, WRE, and WIP)	Outreach Materials	Health Department, PGM - Planning	Bay Restoration Funding (BRF) is available, and the County is promoting use for septic connections.
Thru 2017	Continue implementing the Outreach and Restoration Grant Program with the Chesapeake Bay Trust. Work with local eligible entities to develop grant proposals that support the TMDL restoration plan. (WPRP Code)	Grant Awards	PGM - Planning	The County is in the third year of this project, and the fourth request for proposals.
Thru 2017	Promote the use of the SMART tool to track stormwater practices on private land. (MS4)	Increased use of SMART tool	PGM - Planning	If the SMART tool is not available, implement alternate tracking methods as feasible.
Thru 2017	Develop BMP outreach maintenance outreach material for inspectors' use and website. Target Homeowners' Associations and maintenance contractors.	Outreach Materials	PGM - Planning, CPIS	Four BMP outreach maintenance documents have been published to date, and more are in process. Outreach to HOAs began August 2016 and continues.
Thru 2017	Increase public awareness of watershed protection concepts through radio and Charles County Government television ad campaign.	Outreach Materials	PGM - Planning	A series of three watershed protection ads were televised on the local cable channel during Monday Night Football (2016), Family Christmas Movie nights (2016), and the Westminster Kennel Club Dog shows (2017). The spring 2017 radio campaign is complete.
Thru 2017	Determine maintenance/inspection requirements for shoreline erosion control projects and develop an incentive credit for ongoing maintenance as needed. (MS4 Permit and WPRP Code)	Maintenance Tracking Program	PGM - Planning	The CBP guidance indicates that state governments will develop maintenance and inspection requirements, so need to pursue this information. State assistance not available, so pursuing consultant assistance.
<b>Program Development or Enhancement:</b>				
Thru 2017	Develop and promote inspection program for micro bmps on residential properties. The program may include sequencing, innovative tools, outreach techniques, incentives, grants, etc. (MS4 Permit)	Inspection Program	PGM - CPIS, Planning	The Inspection & Maintenance Agreement for residential lots is approved and effective August 1, 2016. Two additional post-construction inspectors were hired in FY 2016.
Thru 2017	Develop a rapid bmp inspection protocol to improve facility compliance rates. (MS4 Permit)	Inspection Protocol	PGM - CPIS, Planning	Other jurisdictions may have suitable models or free software.
<b>Local Watershed/Project Planning:</b>				
Thru 2017	Complete the County's TMDL Restoration Plan. (MS4 Permit)	Completed plan	PGM - Planning	The County's Municipal Stormwater Restoration Plan was completed June 2016.
Thru 2017	Continue to implement Capital Improvement watershed restoration projects. (MS4 Permit, WRE, and WIP)	Completed projects	PGM - Capital Services	Several projects are in design and construction phases.
Thru 2017	Continue to evaluate and prioritize watershed restoration projects. (MS4 Permit, WRE, and WIP)	List of prioritized projects	PGM - Capital Services	The County continues to evaluate and prioritize projects as part of our management practices.
Thru 2017	Assess progress towards County's TMDLs.	Assessment	PGM - Planning	This is evaluated annually and submitted with the County's MS4 Annual Reports.

\* Sources of Milestones are the County's Phase I NPDES MS4 Permit, the Water Resource Element of the Comprehensive Plan, and the County's Phase 2 Watershed Implementation Plan (WIP).

\*\* PGM is the Charles County Dept. of Planning and Growth Management. Divisions under PGM include: Planning, Resource Infrastructure Management (RIM), & Codes, Permits & Inspection Services (CPIS).

**Charles County Fiscal Years 2016 - 2017 BMP Implementation Milestones  
(Completed July 2017)**

<b>Action</b>	<b>Proposed 2-Year Implementation Rates</b>	<b>Unit</b>	<b>Progress In Year 1</b>	<b>Progress In Year 2</b>	<b>Actual Rate For 2 Years</b>	<b>% Progress</b>
<b>Urban Stormwater</b>						
Structural Stormwater Restoration	30	acres	14.6	42.5	57.1	190%
ESD Stormwater Restoration	2	acres	0	0	0	0%
Catch Basin Cleaning	10	acres	22.96	12.24	17.6	176%
Step Pool Conveyance System	40	acres	21.32	48	69.32	173%
Outfall Stabilization	1	acres	0	0	0	0%
Redevelopment Projects	7.5	acres	0.46	0.43	0.89	12%
Private Shoreline Inspection	25	acres	62.08	25.88	87.96	352%
Various (Street Sweeping)	2	acres	85.24	76.8	81.02	4051%
<b>Septic Systems</b>						
Septic Pump-Out Program	24	acres	22.9	19.47	21.185	88%
Septic Connections to Sanitary Sewer	10	acres	1.17	0	1.17	12%
Septic Upgrades to BAT from Prioritization Analysis	2.5	acres	7.54	9.62	17.16	686%

\*This document is for informing the public about progress on near-term implementation commitments, however is subject to adaptive management. Projects may be delayed, omitted, or added based on the pending TMDL restoration plan and other unforeseen factors. Proposed 2-Year implementation rates derived from 10/27/2015 draft prioritization, divided by the estimated time necessary to implement. Specific progress details can be found in the Charles County NPDES MS4 Annual Reports posted at [www.charlescountymd.gov](http://www.charlescountymd.gov).