

Charles County Fiscal Years 2014 - 2015 Programmatic Milestones

Final Status Report through June 30, 2015

Target Date	Milestone	Deliverable	Lead Agency*	Comments/Status Updates
Interim Strategies for Load Reductions by Sector: Fiscal Years 2014-2015				
Wastewater:				
Dec-15	Determine method for coordinating crediting excess nutrient capacity from the wastewater sector to other sectors (e.g., update NPDES permit language to discuss use of this capacity for other sectors, or use another method to get this trade-off recognized by MDE).	Summary of Activity	CCG - PGM - PL	Determining the method for coordinating this capacity is being considered, however is dependent on MDE's Nutrient Trading Policy, which is currently under development.
Dec-15	Prepare a sewer system capacity analysis of the County WWTPs by identifying current capacity levels and quantifying: flow saving measures such as re-use or conservation; projects approved to be connected to the WWTPs which haven't yet been built; and proposed connections of existing septic systems to WWTPs per Septic System Scenerios 2 and 3.	Summary of Activity	CCG - PGM - CS	Capital Services is in the process on developing a Port Tobacco Sewer Feasibility Study and TMDL Analysis that is examining phased septic to sewer hook-up scenarios, what would be required to achieve each scenerio and weighing the costs and benefits.
Dec-15	Develop program to promote and actively pursue water conservation, including an outreach program.	Summary of Activity	CCG - PMG - RIM/PL	An enhanced water conservation outreach program is being developed. Planning staff has updated the County's website to inform residents of ways they can conserve water at home. Refer to: http://www.charlescountymd.gov/pgm/rim/water-conservation-0
Dec-15	Explore and promote additional oppotunities for water re-use.	Summary of Activity	CCG - PGM - RIM/CS/PL	Charles County is building a large scale water re-use project for the CPV power plant cooling.
Septic Systems:				
Complete	Reconcile number of septic systems in the County with MDE.	Report to MDE	Complete	Refer to document: Patuxent River Basin County Septics and Impervious Cover Examination 2012.
Complete	Study feasibility of septic pump-out ordinance or incentive program.	Incentive Program	CCG - PGM - PL/Consultant	Charles County has launched a cost share program to help fund and incentivise homeowners to pump out their septic systems. Refer to: http://www.charlescountymd.gov/pgm/planning/septic-system-pump-out-reimbursement-program
TBD	Complete White Plains, Benedict and Hughesville sewer connection projects.	Engineering Phase	CCG - PGM - CS	Alternative scenarios have been developed and are being considered, however completion of these projects will extend beyond 2 year milestone period.
Dec-15	Conduct feasibility study to determine if priority areas identified in Phase II WIP strategy can be connected to WWTPs.	Feasibility Study	CCG - PGM - CS	Capital Services is in the process on developing a Port Tobacco Sewer Feasibility Study and TMDL Analysis that is examining phased septic to sewer hook-up scenarios, what would be required to achieve each scenerio and weighing the benefits and negatives.
Complete	Develop an enhanced outreach program to target septic systems in critical areas for upgrade to BAT.	Outreach Program	CCG -PGM - PL/Consultant	Planning staff have updatd the County's website and have sent out news releases to inform residents of the available grant funds for BAT upgrades. Refer to: http://www.charlescountymd.gov/pgm/planning/septic-system-upgrade-assistance
Urban Stormwater:				
Dec-15	Complete review/ update of GIS datasets, including impervious surface and stormwater management infrastructure, such as stormwater pipes, outfalls, and individual BMPs with delineated drainage areas.	Summary of Activity	CCG - PGM - RIM/PL/Consultant	This task is ongoing with our consultant Spatial Systems Associates Inc.
Dec-15	Resolve any discrepancies between County and MDE pollutant loading data.	Summary of Activity	CCG - PGM - PL	This issue is under review.
Complete	Develop GIS layer to identify deficient buffers. Use information such as "Plantable" GIS dataset as starting point. Develop program to incentivize.	Summary of Activity	Complete	Refer to section 3.2.2.h of the Charles County Phase II WIP. The GIS layer is complete. Charles County currently has a Forestry Grant Program in place through CBT. Refer to: http://www.cbtrust.org/site/c.miJPKXPCJnH/b.8988297/k.72E5/Charles_County_Forestry.htm
Dec-15	Conduct pilot project to control stormwater through ESD on three to five County properties.	Summary of Activity	CCG - PGM - CS	Selection and identification of pilot sites for ESD on county property is ongoing.

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Dec-15	Develop demonstration project for ESD on private land. Use watershed groups and other interest groups to identify landowners willing to participate and to promote this BMP.	Summary of Activity	CCG - PGM - CS/PL	Selection and identification of a demonstration site for ESD on private property is ongoing.
TBD	Perform watershed assessments and prioritize, fund, and conduct impervious surface restoration, to meet expected requirements in new NPDES MS4 permit.	Summary of Activity	CCG - PGM - CS/PL/Consultant	To be completed according to the NPDES MS4 permit. This task has been initiated and a 5 year schedule has been developed to cover the 10 watersheds within Charles County. The Port Tobacco Watershed was completed fall of 2015. The Mattawoman Creek and Patuxent River assessments are underway and should be completed spring 2016.
TBD	Use information generated from watershed assessments or other sources to identify potential stream restoration projects. Select three to five stream reaches for restoration and develop stream restoration projects. Coordinate this work with NPDES MS4 permit work on watershed assessment and planning.	Summary of Activity	CCG - PGM - PL/Consultant	This milestone goal be ongoing over a 5 year period and therefore will extend beyond the 2 year milestone period.
Dec-15	Develop demonstration project for stream restoration on private land. Use watershed groups and other interest groups to help identify landowners willing to participate and to promote this BMP.	Summary of Activity	CCG - PGM - PL/Consultant	This project is currently in the design phase and is delayed due to landowner issues.
Dec-15	Identify three to five County-owned dry pond or wet pond BMPs and retrofit with submerged gravel wetlands, regenerative stormwater conveyance, infiltration device, or similar.	Summary of Activity	CCG - PGM - CS/PL/Consultant	The identification of County owned BMPs for retrofit has been initiated.
Dec-15	Finalize stormwater utility and evaluation of stormwater incentive program for residential and commercial properties, including a grant program to be administered with the assistance of a third party, such as the Chesapeake Bay Trust.	Grant Program	CCG - PGM -PL	The stormwater utility was adopted June 2013. Planning staff is currently working with CBT to develop a Watershed Restoration Grant Program for community groups and non-profits to implement outreach and restoration projects. The RFP closed December 2015 with the first round of grant awards in February 2016.
Dec-15	Evaluate development of a program to collect fees from shoreline property owners that can be used to fund shoreline erosion control projects.	Progress Evaluation	CCG - PGM -PL	Refer to section 3.2.2.g of the Charles County Phase II WIP. The rate of implementation for this BMP is the same as can be expected with no incentive. An owner incentive for shoreline erosion control maintenance is being considered.
Dec-15	Develop program requirements and an outreach program for incentivizing management of stormwater on private land. Develop method to account for stormwater management on private land (e.g., maintenance agreements, inspection requirements, reporting, tracking, etc.).	Summary of Activity	CCG - PGM -PL	Planning staff began work with the UMD Extension and Department of Public Works to develop a rain barrel workshop to promote stormwater management on private land; the workshops teach residents how to use BMPs to reduce stormwater runoff on their properties. To date, the workshops were conducted on May 2, 2015 and October 3, 2015. The County plans to utilize the UMD Extension's SMART (Stormwater Management and Restoration Tracker) tool to track stormwater management practices on private land, however release of the SMART tool has been delayed as of December 2015. Refer to: http://www.charlescountymd.gov/pgm/planning/rain-barrel-workshop

* CCG - Charles County Government
 PGM - Department of Planning and Growth Management
 CS - Capital Services Division
 PL - Planning Division
 RIM - Resource and Infrastructure Management Division

**Charles County Fiscal Years 2014 - 2015 BMP Implementation Milestones
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Action	Proposed 2-Year Implementation Rates	Unit	Progress In Year 1	Progress In Year 2	Actual Rate For 2 Years	% Progress
Urban Stormwater						
Stream Restoration (County Land)	2274	Feet	0.0	0.0	0.0	A 1,300 LF project is in design, but delayed due to property acquisition and historical study.
Stream Restoration (State Land)	6117	Feet	0.0	0.0	0.0	MD State Highway Administration is completing restoration in Charles County not included in this report.
Stream Restoration (Private Land)	9614	Acres	0.0	0.0	0.0	Potential projects identified during this period.
BMP Wet Pond Retrofits (County Land)	16	Acres	53**	0.0	53.0	331%
BMP Wet Pond Retrofits (Private Land)	48	Acres	22.3**	0.0	22.3	47% An additional 49 acres has been issued permit.
BMP Dry Pond Retrofits (County Land)	21	Acres	8.9**	0.0	8.9	42%
BMP Dry Pond Retrofits (Private Land)	34	Acres	0.0	0.0	0.0	0%
ESD Retrofits (County Land)	42	Acres	1.5	0.0	1.5	3%
ESD Retrofits (Private Land)*	1	Acres	1.0	0.0	1.0	100%
Alternate BMP Retrofits*	10	Acres	0.0	9.5	9.5	100%
Shoreline Stabilization (Private Land)	3924	Feet	2779**	3895	6674	170%
Shoreline Stabilization (County Land)*	0	Feet	0	0	0	A 3,577 LF project is in final engineering design.
Urban Nutrient Management	1468	Acres	0.0	0.0	0.0	To be achieved by State regulations and enforcement.
Septic Systems						
Septic Pump-Out Program	5302	-	541	830	1371	26%
Septic Connections for County Identified Projects	242	-	0.0	0.0	0	A project to connect 32 septic to public sewer has been issued permit.
Septic Connections from Prioritization Analysis	27	-	19***	0.0	19	71%
Septic Upgrades to BAT from Prioritization Analysis	100	-	42***	15	57	57%

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 unforeseen factors. BMP implementation data due to the State on September 30th of each year.

*These actions have been added since July 2013.

**Includes restoration completed prior to 2013, since not previously reported.

***Includes Septic connections to sewer and BATs installed from 2010 to 2014, since not previously reported.