

St. Mary's County 2016 – 2017 Prepared Programmatic and Implementation Milestones

Action	Proposed 2-Year Implementation Rates	Unit	Progress in Year 1	Progress in Year 2	Actual rate for 2 years	% Progress
Urban BMP's						
DPWT's 2014-15 Stormwater retrofit design project extended through FY 2016	15	facilities				
Stormwater retrofit construction	15	facilities				
2017 DPWT Budget request for full time project manager to begin oversight of SWM retrofit projects in 2018	1	manager				
Improve homeowner awareness & implementation of BMPs to reduce & manage SWM through St. Mary's River Watershed Association's <i>River Friendly Neighborhoods Rewards Program</i>	2	neighborhoods				
Improve community & business awareness & participation in SWM efforts through the St. Mary's River Watershed Association's partnerships with one or more private schools to implement BMPs to manage and reduce campus runoff.	Identify site and project scope in 2016; Seek grant funds for design in FY 2017; Solicit equipment, materials, labor & funds to construct project(s) in FY 2018.	Fund and implement a large private school site retrofit project(s)	Little Flower School site and recommended BMPs identified			
County and WS begin using SMART tool to verify and report on Homeowner BMP implementation beginning in 2017	12	2016 UMD Watershed Steward (WS) Academy graduates	Class training in 2016	--		
	12	WS capstone projects completed in 2017	--			
	12	Report & verify Capstone BMPs via SMART tool in 2017	--			
	24	Properties inspected Homeowner BMPs reductions reported	--			
Track street sweeping performed by DPWT		pounds				

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Septic Systems						
FY16 Award for \$1.4M BAT Installation: (100% utilized)	Goal 105-125	systems	123			
FY17 Award for \$1.365M BAT Installation:	Goal 105-125	systems				
Pursue approval of credits for: <ul style="list-style-type: none"> Sand Mound OSDS denitrification and holding tanks pumped and sent to WWTP 	Credits established	approval				
Map in GIS the locations of Sand mound OSDS & holding tanks	2	GIS data layers				
Procedures established for adding data for new BAT systems begun 2015. Includes installations completed prior to this report being created. Data table and GIS layer will be updated annually for subsequent years and milestones.	1	Database table				
Pursue approval of varied credit based on different % of Nitrogen reduction provided by the different BAT systems (50% vs 75%)	Identify location and type of BAT installed.	Report				
WTP						
Investigate expansion of Marlay- Taylor Water Reclamation Facility capacity prior to 2030 to address need for connection of development on OSDS in Growth areas:	1 negotiation with REPI program and willing landowner(s) for potential site	Acquisition initiated				
Develop a plan for moving forward via land application &/ or water reuse project. Consider CWSP policy change including sunset provisions for capacity reserved for undeveloped projects.	1 CIP project for MetCom in FY2018 budget	CIP project				
Revise capacity reservation procedures for sewer connections.	1	Ordinance revision				
Leonardtown WWTP upgrade	1	Plant upgrade	1			

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Ag—MDA submits primary milestones on behalf of county (See page 5 of 5)						
Investigate and make a recommendation for 2018 development of a Public/Private partnership for composting facility(s) for food, yard and other waste materials (including manure)	1	CIP project				
Implement a minimum parcel or lot size for animals in residential zones and residential subdivision in rural areas	1	Ordinance revision				
Federal--See attached Navy Milestone documents						
Shoreline Repair	Remaining Cedar Point Shoreline(4207 LF of Erosion Control)		In progress			
SWM retrofits	Stormwater BMP design Install at Solomons Island		In progress			
SWM retrofits	Finish 1 st phase BMP designs at NAS Patuxent River and 2nd phase designs at Webster Field		In progress			
SWM retrofits	Finish 2nd phase designs at Solomons		In progress			
Forestry						
Conservation of Forested Land through FCA	Based on projects	Acres				
Conservation Easements on Forested land (All sources—REPI, RLA, MALPF, MHT, MET)	Based on projects	Acres				
Improve tracking & reporting of forest loss, mitigation planting & afforestation and Buffer establishment required by CA & FC regulations.	1	GIS data layer				
Establish forest mitigation banks	1	Bank				

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Other						
Outreach, training re: Bay-Friendly practices and BMP installation to County residents.	Based on work plan and grant funding	Number for events and practices	8 raingardens			
Oyster reef establishment; Monitor & report on oyster production & future expansion of reef	5 (by 2016)	acres	Planted 240% more oysters than grant required. 3.34 acres of oyster bottom fully restored by February 2016..			
Analyze County shorelines & develop a management plan to recommend appropriate shoreline BMPs & Buffer management to Streamline implementation of shore erosion control projects and improved tracking & reporting for implemented projects	1	Management Tool and Report				

*This document informs the public about proposed near-term implementation commitments, which may be subject to change. Projects may be delayed, omitted, or added based on the pending TMDL restoration plan and other unforeseen factors.

Saint Mary's Soil Conservation District

Agricultural Phase II Watershed Implementation Plan					
BMPs to be Implemented Annually	Unit	2013 Milestone	2015 Milestone	2017 Goal	2025 Goal
Conservation Tillage	Acres/Year	15,342.73	15,351.33	15,359.93	15,359.93
Cover Crops	Acres/Year	10,045.13	10,922.51	11,799.89	12,000.00
Cropland Irrigation Management	Acres/Year	358.00	358.00	358.00	358.00
Dairy Manure Incorporation	Acres/Year	35.29	91.74	148.20	247.00
Decision Agriculture	Acres/Year	15,715.45	18,442.46	21,169.47	29,350.50
Enhanced Nutrient Management	Acres/Year	6,313.67	7,554.25	15,108.50	25,180.83
Manure Transport	Tons/Year	-	-	-	-
Nutrient Management	Acres/Year	14,730.89	7,814.91	-	-
Nutrient Management on Pasture	Acres/Year	5,351.33	5,351.33	5,351.33	5,351.33
Poultry Litter Incorporation	Acres/Year	200.00	520.00	840.00	1,400.00
Poultry Litter Treatment	Operations/Year	-	-	-	-
Soil Conservation and Water Quality Plans	Acres/Year	23,331.28	26,161.73	28,992.17	32,351.00

Additional BMPs to be Implemented	Unit	2013 Milestone	2015 Milestone	2017 Goal	2025 Goal
Alternative Crops	Acres	-	-	-	-
Barnyard Runoff Control	Projects	3.00	3.90	10.80	18.00
Forest Buffers	Acres	19.43	31.09	81.60	136.00
Grass Buffers	Acres	22.93	36.69	96.32	160.54
Horse Pasture Management	Acres	-	-	-	-
Land Retirement	Acres	6.29	10.06	26.41	44.01
Livestock Heavy Use Area Protection	Acres	2.86	4.57	12.00	20.00
Livestock Waste Storage Structures	Projects	1.00	1.50	4.00	6.00
Mortality Composters	Projects	-	-	-	-
Non-Urban Stream Restoration	Linear Feet	-	-	-	-
Nursery and Greenhouse Runoff Capture and Reuse	Acres	-	-	-	-
Off Stream Watering without Fencing	Acres	142.86	228.57	600.00	1,000.00
Phosphorus Sorbing Materials in Ag Ditches	Acres	-	-	-	-
Poultry Heavy Use Area Concrete Pads	Acres	-	-	-	-
Poultry Waste Storage Structures	Projects	-	-	-	-
Precision Intensive Rotational Grazing	Acres	-	-	-	-
Prescribed Grazing	Acres	71.43	114.29	300.00	500.00
Shoreline Erosion Control	Linear Feet	71.43	114.29	300.00	500.00
Stream Access Control with Fencing	Acres	1.64	2.29	6.23	11.50
Vegetative Environmental Buffers on Poultry Operations	Acres	-	-	-	-
Water Control Structures (Drainage Ditches)	Acres	-	-	-	-
Wetland Restoration	Acres	2.57	2.57	10.80	18.00

8/26/2013