

**Attachment C**  
**BMPs under review or planned for review by WQGIT sector workgroups**

<b><u>Best Management Practice</u></b>	<b><u>Sector</u></b>	<b><u>Status</u></b>
New State Stormwater Performance Standards (for development and redevelopment)	Urban	Approved (10/9/2012)
Stormwater Retrofits	Urban	Approved (10/9/2012)
Nutrient Management	Agriculture	Panel developing recommendations
Conservation Tillage	Agriculture	Panel developing recommendations
Cover Crops	Agriculture	Panel developing recommendations
Poultry Litter	Agriculture	Panel developing recommendations
Urban Stream Restoration (includes Regenerative Conveyance Systems)	Urban	Workgroup review
Urban Nutrient Management	Urban	Workgroup review
On-site wastewater treatment systems (septic), Part 1 (review of efficiencies)	Wastewater	Panel developing recommendations
Riparian Buffers (grass and forest)	Forest	Panel developing recommendations
Urban Tree Planting	Forest	Panel developing recommendations
Erosion and Sediment Control (as proposed by WV)	Urban	Panel convened (July 2012)
Illicit Discharge Elimination	Urban/Wastewater	Panel convened (July 2012)
Algal Turf Scrubbers	Watershed Technical	Panel invited (Feb 2013)
Septic, Part 2 (more broad view of systems)	Wastewater	Planned (Fall-Winter 2012)
Manure Treatment Technologies	Agriculture	Planned (Fall-Winter 2012)
Impervious Disconnect	Urban	Planned (Fall-Winter 2012)
Animal Waste Storage Systems	Agriculture	Planned (Fall-Winter 2012)
Liquid Manure Injection/Incorporation	Agriculture	Planned (Fall-Winter 2012)
Forest Management	Forest	Planned (Fall-Winter 2012)
Urban Filter Strips and Upgraded Stream Buffers	Urban/Forest	Planned (Fall-Winter 2012)
Urban Shoreline Erosion Control	Urban/Forest	Planned (Fall-Winter 2012)
Floating Wetlands	Urban	Planned (Spring 2013)
Street Sweeping (includes catch-basin clean outs and bulk sediment removal)	Urban	Planned (2013)
Cropland Irrigation Management	Agriculture	Planned (FY2013-2014)
MS4 Minimum Management Measures	Urban	Planned (FY2014)

### Agricultural BMPs, prioritized by the Agriculture Workgroup

<b>Tier</b>	<b><u>Best Management Practice</u></b>	<b><u>Submitted by</u></b>
Tier 1	Animal Waste Management Systems	DE
Tier 1	Continuous No-Till (CNT)	MD, VA
Tier 1	Cover Crops (Traditional, Commodity, Double Planting and Low-till)	MD, PA, WV
Tier 1	Manure Composting	PA
Tier 1	New Manure Treatment Technologies (including Enhanced Manure Digesters)	PA
Tier 1	Nutrient Management (including Crop Nutrient Application)	DE, NY, WV
Tier 1	Passive Hay Production	NY
Tier 1	Phosphorus-Based Nutrient Management	DE
Tier 1	Precision/Decision Agriculture	DE, MD, VA
Tier 2	Container Nursery and Greenhouse Runoff / Leachate Recovery & Reuse	VA
Tier 2	Cropland Irrigation Management	DE, MD
Tier 2	Manure Injection (Liquid Incorporation and Direct Injection)	DE, MD, NY
Tier 2	Non-Cost-Shared BMPs	MD
Tier 3	Agricultural Stormwater Management (including AFO Production Area Structures)	DE, MD, WV
Tier 3	Cropland Drainage Phosphorus-sorbing Materials	MD
Tier 3	Heavy Use Pads (including Poultry, Concrete End and Litter Load Out)	DE, MD, WV
Tier 3	Poultry Manure Injection/ Incorporation	MD
Tier 3	Sink-Hole Grassed Buffers	WV
Tier 3	Vegetative Environmental Buffers (including Wind Breaks/Plantings at Animal Operation for Nutrient Reductions)	MD, PA

Source: [http://stat.chesapeakebay.net/?q=node/130&quicktabs\\_10=1&quicktabs\\_15=3](http://stat.chesapeakebay.net/?q=node/130&quicktabs_10=1&quicktabs_15=3)

### Status of BMP Panels Currently Underway

Sector	Panel Chair & Coordinator	BMP	BMP Status (new/interim/placeholder)	Month/Year Panel Launched	Panel Status (e.g. developing recommendations)	Expected Date of Draft Report Submission to Sector Workgroup
Agriculture	Jim Glancey, Chair; Mark Dubin Coord.	Poultry Litter Data	Model Data	5/9/2011	Panel membership formed. Panel developing poultry litter nutrient and volumetric database for historic and present poultry litter production.	Full panel recommendations to AgWG by July, 2013.
Agriculture	Frank Coale, Chair; Mark Dubin Coord.	Agricultural Nutrient Mgmt., Precision Agriculture, and Enhanced Nutrient Mgmt. BMPs	BMPs being considered include three existing and one approved interim NM BMP.	12/8/2011	Panel membership and panel subgroups formed. Finalized backgroup report approved. Panel reviewed and commented on interim NM BMP proposal. Due to workload, panel chairmanship structure being revised and confirmed.	Phase 5.3.2 modeling suite panel short-term recommendations to AgWG by July, 2013. Full panel recommendations by late 2013/2014.
Agriculture	Jack Meisinger, Chair; Mark Dubin Coord.	Traditional and Commodity Cover Crop BMPs.	Existing BMPs.	2/23/2012	Panel membership and panel subgroups formed. Draft background expert interview draft completed and under review. USDA modeling support being established.	Full panel recommendations to AgWG by November 2013.
Agriculture	Wade Thomason Chair; Mark Dubin Coord.	Conservation Tillage, and CNT BMPs.	Existing BMPs.	2/23/2012	Panel membership and panel subgroups formed. Draft background expert interview draft completed and under review. USDA modeling support being established.	Full panel recommendations to AgWG by September, 2013.
Agriculture/Urban	Chair - TBD; Coordinator - Sarah Lane, UMCES; Matt Johnston, UMD	Algal Turf Scrubbers	New BMP	Feb-13	Watershed Technical Workgroup is finalizing panel charge and panelists. Panel should begin meeting in March, 2013	Jul-13
Forestry	Coordinator - Sally Claggett	Urban Tree Planting/Expanded Tree Canopy	Existing BMP	Mar-12	Developing Recommendations	Mar-13
Forestry	Coordinator - Sally Claggett	Riparian Forest Buffers	Existing BMP	Mar-12	Developing Recommendations	Mar-13
Urban	Coordinator - Tom Schueler	Urban Stream Restoration	Existing BMP	Dec-11	Final draft of expert report presented on December 17 to joint meeting of USWG, WTWG, Ag Work Group and Stream Committee of Habitat GIT. Comment period extended to January 30, at which time it will undergo official CBP approval process.	Feb-13
Urban	Coordinator - Tom Schueler	Urban Nutrient Management	Existing BMP	Dec-11	Final draft of expert report presented on December 17 to joint meeting of USWG, WTWG, Ag Work Group and Stream Committee of Habitat GIT. Comment period extended to January 30, at which time it will undergo official CBP approval process.	Feb-13
Urban	Coordinator - Tom Schueler; Facilitator - Jeremy Hanson	Enhanced Erosion and Sediment Controls	Existing BMP	Jul-12	Panel has held four meetings, and has largely completed the research review phase.	Summer 2013
Urban	Coordinator - Tom Schueler; Facilitator - Cecilia Lane	Illicit Discharge Elimination	New BMP	Jul-12	Panel has held four meetings, and has largely completed the research review phase.	Summer 2013
Urban	Coordinator - Sadie Drescher; Chair - TBD	Urban Shoreline Erosion Control Practice	New BMP	Nov-12	1st meeting 1/28/13	Aug-13 - Dec-13
Urban	Coordinator - Neely Law, PhD.; Chair - TBD	Urban Filter Strip/Stream Buffer Upgrade Expert Panel	New BMP	Nov-12	Set-up meeting	Dec-13
Wastewater	Mark Sievers & Ning Zhou	Advanced Onsite Systems	New BMP	Jan-12	Developing recommendations	May-13