Status of Current and Upcoming BMP Expert Panels of the Chesapeake Bay Program Partnership

The Chesapeake Bay jurisdictions implement Best Management Practices (BMPs) to achieve the goals set forth in the 2010 Chesapeake Bay TMDL. Through the Protocol for Development, Review and Approval of Loading and Effectiveness Estimates for Nutrient and Sediment Controls, newer practices and technologies are considered and evaluated for inclusion in the Chesapeake Bay Program partnership modeling tools by expert panels. Existing practices are re-evaluated to ensure they reflect the best available scientific data and information. Below is a table identifying those BMPs that are currently undergoing the expert panel process. A list of completed expert panels can be found on Chesapeake Stat: http://stat.chesapeakebay.net/?q=node/130&quicktabs_10=3

BMP Expert Panel	Key Contact(s)	Description	Current Status	Next Steps
Poultry Litter	Agriculture Workgroup: John Rhoderick and Mark Dubin	The Subcommittee has collected data on N and P concentrations in poultry litter, poultry litter generation quantities, and population numbers for multiple poultry species across the watershed.	Subcommittee has collected data from multiple states and drafted a report.	The PLS will work with the Agricultural Modeling Subcommittee to develop modeling recommendations to translate poultry litter data in to the Phase 6.0 model.
Nutrient Application Management	Agriculture Workgroup: Chris Brosch and Mark Dubin	The Expert Panel was charged with defining the effectiveness of nutrient management on reducing nutrient and sediment pollution. The panel has organized the practice into three tiers, each building on the previous tier in succession.	Tier 1 Nutrient Application Management report approved in fall 2013.	Panel will develop efficiency rating for Tier 2 Nutrient Application Management in fall 2014 for the Phase 5.3.2 model.
Traditional and Commodity Cover Crops	Agriculture Workgroup: Jack Meisinger and Mark Dubin	The Expert Panel was charged with defining the effectiveness of cover crops on reducing nutrient and sediment pollution.	Panel report defining the nitrogen reductions from multiple species of cover crops was approved in fall 2013.	Panel will develop efficiency rating for phosphorus and sediment in fall 2014 for the Phase 5.3.2 model.
Conservation Tillage and Continuous No-Till	Agriculture Workgroup: Wade Thomason and Mark Dubin	The Expert Panel was charged with defining the effectiveness of conservation	Panel report defining the sediment reductions from the	Panel will develop efficiency rating for phosphorus and nitrogen

BMP Expert Panel	Key Contact(s)	Description	Current Status	Next Steps
		tillage on reducing nutrient and sediment pollution.	"High Residue Minimum Soil Disturbance" practice was approved in fall 2013.	in fall 2014 for the Phase 5.3.2 model.
Manure Technologies	Agriculture Workgroup and Virginia Tech: Jeremy Hanson and Mark Dubin	Expert Panel will determine pollution control performance measure estimates for the following six (6) prioritized manure technology BMPs: Microbial Digestion (aerobic/anaerobic); Chemical Treatments – Dry Manure; Thermal (or Thermochemical) Treatment; Solid-Liquid Separation; Composting; and Chemical Treatments – Wet Manure	Request for proposals is active; CBW-ROC expected to review proposals and select Panel Chair in early October	Panel expected to be convened in October/November 2014 timeframe
Urban Tree Planting/Expanded Tree Canopy	Forestry Workgroup & Virginia Tech: Sally Claggett and Jeremy Hanson	The Panel will be charged with determining pollution control performance measure estimates for the expansion of urban tree canopy. The Expert Panel will define the conditions under which trees planted in the urban environment reduce stormwater runoff and associated nutrient and sediment loads. Such conditions may include tree placement, leaf density, soils, and other factors.	Request for Proposals currently under development	Public distribution of Request for Proposals expected in early October 2014
Nutrient Discharges from Grey Infrastructure	Stormwater Workgroup: Tom Schueler and Cecilia Lane	The Expert Panel was charged with determining pollution control performance measures for elimination of nutrient discharges due to spills, leaks, and overflows from grey infrastructure.	Stormwater Workgroup approved Panel Report on September 23, 2014	The Watershed Technical Workgroup will review the Panel Report on October 2
Urban Shoreline Erosion Control Practices	Stormwater Workgroup and Center for Watershed Protection:	The Expert Panel was charged with determining pollution control	Stormwater Workgroup approved	The Panel Report is currently under review

BMP Expert Panel	Key Contact(s)	Description	Current Status	Next Steps
	Sadie Drescher	performance measures for Urban Shoreline Erosion Control Practices.	Panel Report on April 15, 2014	by the Watershed Technical Workgroup and the Modeling Workgroup
Floating Wetlands	Stormwater Workgroup: Tom Schueler and Cecilia Lane	The Expert Panel was charged with determining pollution control performance measures for Floating Treatment Wetlands.	Panel developing recommendations	Panel will meet in fall 2014 to continue developing their report
Street Sweeping	Stormwater Workgroup and Virginia Tech: Tom Schueler and Jeremy Hanson	The Expert Panel was charged with determining pollution control performance measures for Street Sweeping practices.	Panel used WinSLAMM model to determine sediment loads and nutrient content of sediment.	Panel will work to finalize its recommendations based on modeling results and literature.
Algal Flow-Way Technologies	Watershed Technical Workgroup: Sarah Lane and Matt Johnston	The panel is reviewing draft recommendations for nutrient and sediment reductions from algal flow-way technologies (AFTs). The final report will provide guidelines to facility managers and states for tracking and reporting reductions from these facilities.	Panel developing recommendations	The panel report is currently being drafted. The panel will meet again in late October.
Advanced Onsite Systems, Part 2 (broader view)	Wastewater Treatment Workgroup: Ning Zhou	The Panel will determine how to factor nutrient attenuation into Chesapeake Bay TMDL onsite wastewater treatment system load estimates and BMP efficiency factors. The Panel will provide recommendations on the development of spatial variable nutrient attenuation rates based on many factors such as soil, site location, and system characteristics. They will determine whether the Bay model can be improved by using the variable attenuation rates, rather than using a constant attenuation rate.	Panel developing recommendations	The panel will discuss and formalize a conceptual framework for the onsite system nutrient attenuation process, and elect a chair at their October meeting
Wetlands Panel	Habitat GIT: Neely Law and Jennifer Greiner	The Panel will discuss proposed methods to define and allocate loads to wetlands	Panel convened	Developing recommendations

BMP Expert Panel	Key Contact(s)	Description	Current Status	Next Steps
		(looking at establishing wetlands as a land use in CBP modeling tools). Also reviewing wetland restoration, enhancement, preservation, and habitat benefits.		