

September USWG Updates

SEPTEMBER 18, 2018



Updates

- Upcoming CSN Webcasts
- MS4 Monthly
- Roadside Ditch Management Guidance Update
- Conservation Landscaping Credit Update
- Stream Restoration Calculator
- Midpoint Assessment and Final Planning Targets
- Data Deadlines for Watershed Model Progress Runs



Upcoming Webcasts



Just Added to the Archives:

September 6th: [The Latest in Citizen Stewardship](#)

Register Now:

September 20th: [Learning to FIB: The Latest in Bacteria Management](#)

October 11th: [Roadside Ditch Management: Part 1](#)

Introducing: MS4 Monthly

[July 2018](#)

[August 2018](#)

MCM OF THE MONTH



www.chesapeakestormwater.net



News for the Non-Regulated



Roadside Ditches and Conservation Landscaping

- Design Guidance almost complete for Ditch Stabilization and Ditch Elimination Practices
 - Webcast Part 1 on October 11th with Part 2 on December 6th
 - Project complete by end of December
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- Revised [Conservation Landscaping Credit](#) Approved by WQGIT in August

Table 1: Removal Efficiency for Conservation Landscaping			
Pollutant	Sediment	Total N	Total P
Removal Rate*	0% **	78%	50%
WTWG Rate ***	0%	39%	25%
** Nutrient removal rates based on differential load for managed turf grass compared to the load for the "mixed-open natural" land use category created for the new Phase 6 watershed model (see Schueler and Wood, 2018).			
** No sediment removal is expected for conservation landscaping since it's vegetative cover is equivalent to that provided by turf grass (UNM EPR, 2013).			
*** Conservative removal rate recommended by WTWG applies to the approved BMP (currently interim; used for WIP planning purposes only). The BMP can be used for annual progress reporting once the model lock down period expires in April 2019.			

Stream Restoration Calculator

- Spreadsheet tool to help calculate nutrient and sediment reductions from stream restoration projects for WIP planning purposes
- Protocol 1 and Protocol 2

Water Quality Benefit Screening for Chiques Creek Flood Resiliency Study: Alternatives C2 & C3 Stream Improvement Projects															
Recommendations of the Expert Panel to Define Removal Rates for Individual Stream Restoration Projects (Sep 2014)															
ENTER THESE VALUES			CALCULATIONS			ENTER THESE VALUES			CALCULATIONS			Proto			
Project Segment	Length	Base Flow Width	Bank Height	Stream Cross-Sectional Area	H-Box Volume	Hyporheic Box Mass	Stream Bank Soil Bulk Density	Hyporheic Media Bulk Density	Bank Erosion Rate	Nitrogen Bank Sediment Concentration*	Phosphorus Bank Sediment Concentration*	Initial Annual Sediment Load Reduction	BMP Efficiency	Final Annual Sediment Load Reduction (tons)	Final Annual Sediment Load Reduction (lbs/yr)
Reach	ft	ft	ft	ft ²	ft ³	ton	lb/ft ³	lb/ft ³	ft/yr	lbs/ton	lbs/ton	ton/yr	%	tons/yr	lbs/yr
1	0	0	0.0	0	0	0	0	0	0	2.28	1.05	0.0	0.5	0.0	0
2	0	0	0.0	0	0	0	0	0	0	2.28	1.05	0.0	0.5	0.0	0
3	0	0	0.0	0	0	0	0	0	0	2.28	1.05	0.0	0.5	0.0	0
Totals														0.00	
Instructions: Fill in values in yellow cells. Methods for collecting data within yellow cells must follow panel-approved recommendations which can be found at: http://chesapeakestormwater.net/wp-content/uploads/dlm_uploads/2013/05/stream-restoration-merged.pdf . Please also provide a detailed description of methods used to calculate each yellow value. *Nitrogen and Phosphorus Bank Sediment Concentrations provided may be replaced by site-specific monitored concentrations if available. Calculations in blue are based upon expert panel report. Final reduction calculations in green may be submitted to CAST for the project.															

Midpoint Assessment

On Friday, July 27, EPA released its final Midpoint Assessment

Big Takeaways:

- Successes achieved by trading, fertilizer bans and MS4 permits that align with the Bay TMDL
- Stormwater loads continue to increase due to population growth and development
- States that committed to significant reductions in this sector will need to reevaluate for Phase III WIPs
- Increased voluntary programs or expanded regulatory authority will be needed to meet 2025 goals
- Moving forward, Phase 6 Model will be used to track progress

	Urban/Suburban
Delaware	Ongoing Oversight
District of Columbia	Ongoing Oversight
Maryland	Enhanced Oversight
New York	Ongoing Oversight
Pennsylvania	Backstop Action Levels
Virginia	Ongoing Oversight
West Virginia	Ongoing Oversight

Final Planning Targets

Revised WIP Development Schedule Approved - Draft Phase III WIPs will be posted on each state's website by April 12, 2019 with the final WIPs posted by August 9, 2019.

Table 1 shows the final Phase III WIP jurisdiction planning targets for nitrogen and phosphorous (in millions of pounds).

Jurisdiction	Planning Target (millions of pounds per year)	
	Nitrogen	Phosphorus
District of Columbia	2.42	0.130
Delaware	4.55	0.108
Maryland	45.78	3.680
New York	11.53	0.587
Pennsylvania	73.18	3.044
Virginia	55.73	6.192
West Virginia	8.22	0.432

Data Deadlines for Model Progress Runs

Dates to Know

- PSC agreed to make no additional changes to the Phase 6 Model until October 2019

April 30, 2019

- Last date to add new BMPs (all expert panel reports/interpretations must be complete)
- Last date to submit:
 - Sewer service boundary/ MS4 boundary updates
 - Zoning changes/ future projections
 - Septic growth
 - Construction areas



Dates to Know (cont)

- From June 1- September 30, 2019, Workgroups will be reviewing draft changes to the model on a rolling basis.

June 29, 2019

- Last date to update fertilizer sales statistics
- New land cover change hotspots to inform forecasted projections

October 31, 2019

- Final data lockdown. No new changes until October 31, 2021.

