

Recommended Stormwater Performance Standards Reporting Requirements

Watershed Technical Workgroup

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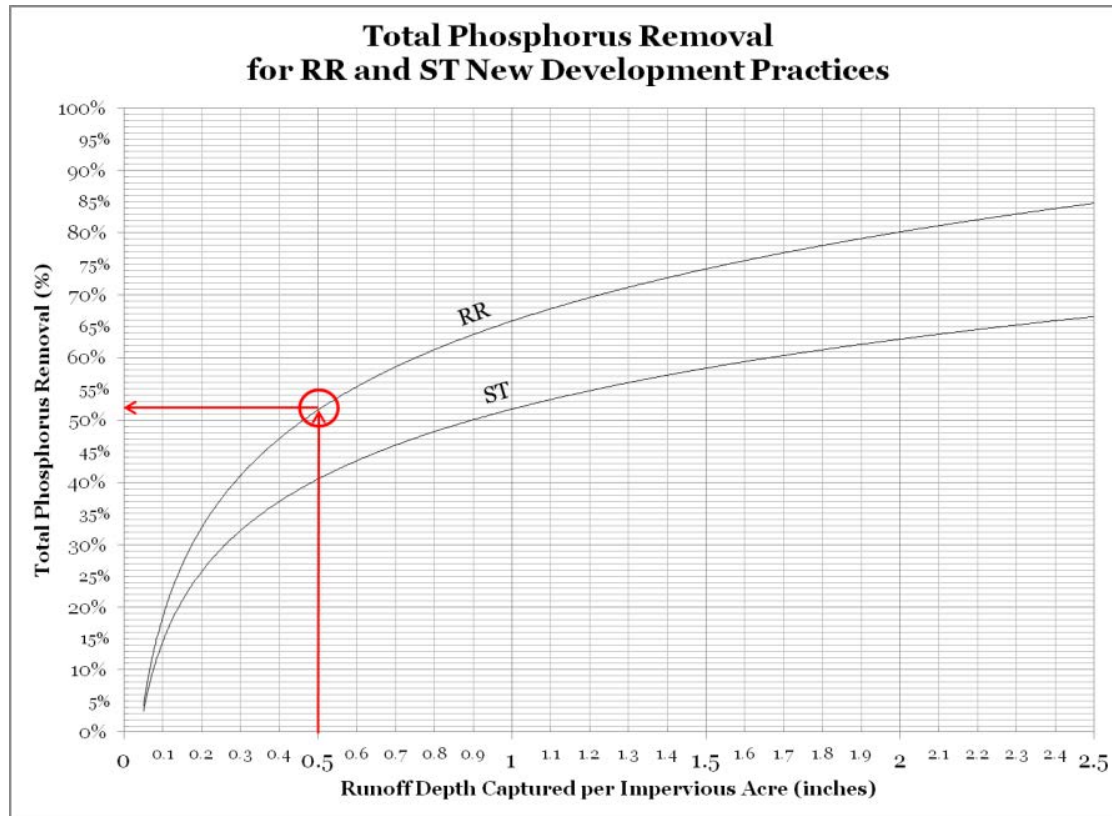
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What's New?

- No more efficiency reductions per acre or unit of BMP implementation.
- Each stormwater project is site-specific.
- Site-specific engineering parameters will determine nutrient and sediment reductions.

Efficiency Curves

- Using runoff depth captured (aka, site-specific storage volume) and number of impervious acres, CBP will use a curve to determine nutrient reductions.



Runoff Reduction Practices	Stormwater Treatment Practices
Landscape restoration/reforestation	Constructed Wetlands
Riparian buffer restoration	Filtering practices (constructed filters, sand filters, stormwater filtering systems)
Rooftop disconnection	Manufactured, proprietary BMPs
Sheetflow to filter/open space	Wet ponds (retention basins)
Non-structural BMPs, PA 2006 BMP Manual, Chapter 5	
All MD 2007 ESD practices	
Bioretention or Rain garden	
Dry swale	
Expanded tree pits	
Grass channels	
Green roofs and streets	
Infiltration (Basin, bed, trench, dry well, seepage pit, landscape infiltration)	
Permeable pavement	
Rainwater harvesting	

Recommended Reporting Requirements

- Required Fields to be recorded in CAST and submitted by states:
 - State unique identifier to track practice through time
 - Indicate if new, re-development or retrofit practice
 - Date installed
 - Duration of practice (lifespan)
 - Indicate if runoff reduction or stormwater treatment
 - Retrofit class (new vs. existing)
 - Indicate if degraded or if reporting retrofit at an incremental improvement rate
 - **Runoff or storage volume (acre-feet)**
 - **Impervious acres**
 - Total drainage area (acres)
 - Location (lat/long)

Optional Reporting Fields

- Specific practice name (not important for calculation)
- Re-development site area (only for re-development)
- Pre-development land cover (only for new or redevelopment, not for retrofit)
- State stormwater performance standard being used (current, old, other; not important for calculation)
- Practice used for offset or mitigation fee (Y or N; only for new or redevelopment not retrofit)

Recommended Defaults

- If a jurisdiction does NOT submit impervious acres, the jurisdiction will receive NO reduction credit for the practice. The new curves are entirely dependant upon the number of impervious acres for each practice.
- If a jurisdiction submits impervious acres and some, but not all other required reporting elements, Scenario Builder will assume the practice achieved 1 inch of runoff storage volume per impervious acre (per suggestion by Tom Schueler, Stormwater Performance Standards Expert Panel Coordinator).

	TN	TP	TSS
RR	56%	66%	71%
ST	33%	52%	66%