

Update on Urban BMP Expert Panels

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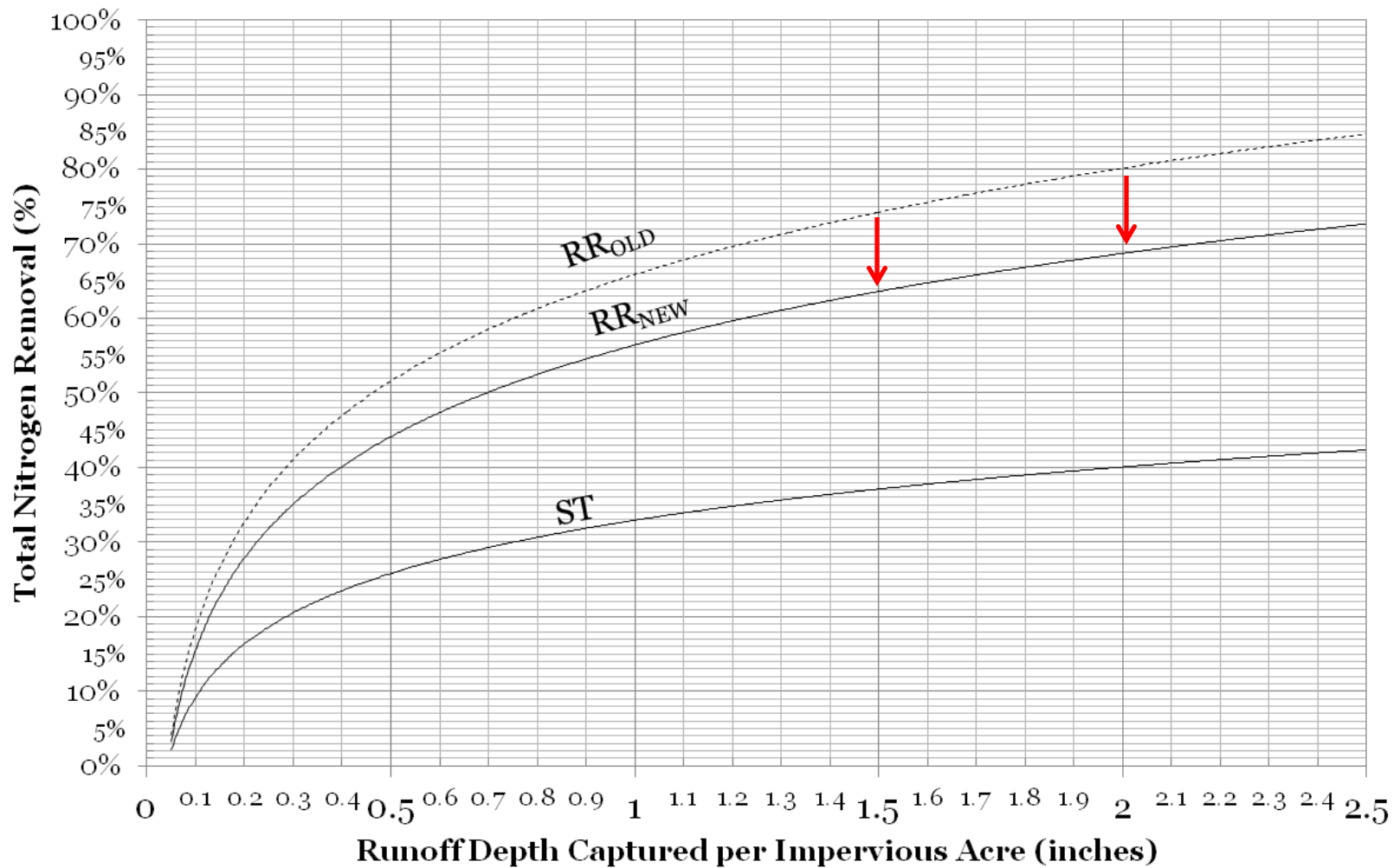
Current Expert Panels

1. Stormwater Retrofits
2. New State Stormwater Standards
3. Urban Fertilizer Management
4. Stream Restoration
5. Erosion and Sediment Control
6. Illicit Discharges

Stormwater Retrofits

- Broad group of practices:
 - New retrofit facilities
 - BMP conversions (e.g., a dry ED pond to a constructed wetland)
 - BMP enhancements
 - Green street retrofits
 - On-site LID retrofits
 - BMP Restoration

Total Nitrogen Removal for RR and ST Practices



The N curve was reduced based on WTWG feedback
on groundwater nitrate loss from runoff reduction practices

A long and winding path

- Accepted by Urban Stormwater Work Group: **April 30, 2012**
- Revised based on Watershed Technical Work Group feedback: **May 29, 2012**
- Resubmitted to Watershed Technical Work Group: **July 15, 2012**
- Conditionally Approved by Watershed Technical Work Group: **August 1, 2012**
- Conditionally Approved by Water Quality Goal Implementation Team: **August 13, 2012**
- Resubmitted to WQGIT **September 28, 2012**
- Looking for Final WQGIT Approval in **October**

Panel 2

New State Stormwater Performance Standards



Applies to Both New Development and Redevelopment Projects.

Status of Performance Standard Panel

- Same as Retrofits
- 23 draft version from panel to now

Panel 3. Urban Fertilizer Management



- Panel nearing consensus with second draft of report out
- Some surprising new lawn science
- Will be coordinating with ag sector later this Fall

Key Areas of Panel Agreement

- Past UNM N and P reductions too generous
- Method to determine effect of P legislation and industry phase out
- 10 core UNM practices to reduce risk of N export
- Hi and low risk factors for N export
- Crediting system for N and P for UNM plans

4. Stream Restoration Panel



- Working on second draft of panel report
- Addresses Natural channel design, legacy sediment removal and regenerative stormwater conveyance
- Also deals with non-urban stream restoration
- Functional uplift concept

General Agreement on Four Protocols to Estimate Removal Rates for Individual Projects

- Prevented Sediment During Storm Flow
- Instream/Floodplain N Processing During Baseflow
- Floodplain Connection volume During Stormflow
- Dry Channel RCS as stormwater retrofit

Stream Restoration Issues

- Looming issue: Use of streams for pollutant removal
- Need to coordinate with other GITs (habitat, stream quality)
- New EPA/Corps workgroup to deal with permitting issues

E&S Control Expert Panel

- Launched in July
- Concluded research workshop
- Working on definitions of what is conventional and enhanced ESC practices
- Still lack much N or P data for construction runoff
- Tricky issues related to reporting and verification

Illicit Discharge Elimination Panel

- Third meeting this week
- Looking at defining flows and concentrations of wide range of different discharges (including transmission losses from sewer and drinking water and a few types of SSOs)
- The protocol will likely involve before and after nutrient monitoring of the discharge source to get credit

2013 Expert Panels

- Revisit Street Sweeping to include bulk sediment removal, catch basin cleanouts and leaf removal
- Floating islands (July Research Workshop)
- Algal Turf Scrubbers (see recommendation to deal with it at WTWG level)