

Stormwater Manual Update

Workgroup Meeting #1

5/19/2025



Agenda

- **Introductions**
- **Background**
 - Workgroup Expectations
 - Rulemaking Timeline
 - Overview of Proposed Rules
 - List of Preliminary Needs Assessment Topics
- **Discussion**
 - Current Manual
 - Needs Assessment Topics
- **Next Steps**



Workgroup Expectations

- Discuss and provide guidance on Stormwater Manual Updates
- Appx. six meetings over two years
- Primary Update Tasks
 - Perform Needs Assessment (Identify Update Topics)
 - Perform Research on Identified Needs Assessment Topics
 - Prepare Detailed Stormwater Manual Outline
 - Perform Manual Updates



Chapter 500 Rulemaking Timeline

Table 1. Ch. 500 rulemaking project milestones & timeline.

Date	Milestone
September 2023	Facilitator PQV List
October 2023	PQV Mini Bid Process Completed & Facilitator Selected
December 2023	Stakeholder Kick-off Meeting
September 2024	RFP for Manual Update
March 2025 – October 2026	Manual Update Project
December 2024	Final Stakeholder Meeting
March 2025	Final Stakeholder Engagement Process Report and Long Memo
April 2025	Technical Work: Evaluation of the Implementation of the New Standards Using Example Development Projects
May – August 2025	Drafting the Rules for the Board of Environmental Protection (BEP)
September 2025	Submit Draft Rules to BEP
January 2026	Submit Rules to the Legislature
June-August 2026	Rules from the Legislature to BEP
November 2026	Final Adoption of the Rules by BEP
November 2026	Final Manuals



Overview of Proposed Rules

Main Goals of the Chapter 500 Rulemaking Process:

- Add LID requirements to best protect natural hydrology and encourage sustainable development.
- Add elements, as required by state law, to consider climate change adaptation and resilience.
- Improve the day-to-day operation of the State's stormwater program.
- Develop a framework for the rules.



Overview of Proposed Rules (Cont'd)



Basic Standards

Focus on LID / natural
stormwater infrastructure

Move Hydraulic Capacity /
Flooding Standard



General Standards

Targeted applicability to
vulnerable areas

SCM Hierarchy

Volume Reduction Standard

Stressor-Guided
Stormwater Treatment
Standard

Phosphorus Standard
(unchanged)



Other Standards

Urban Impaired Stream
Standard

Discharge to Wetlands
Standard



Prelim. Needs Assessment Topics

Topic	Preliminary Notes
Ch 500	
Stormwater Regulatory Framework	General vs. Basic vs. Other Standards Flow Charts .
Chapter 500 Compliance	
Design Criteria / Example Calcs	Flooding, Runoff Reduction, Treatment, Phosphorus New vs. Redev.
Technical Guidance on Standards	Soils / Inf. Testing, SCM Selection Tool, Modeling Guidance
Feasibility / Alternatives Analysis	Exhaust LID alternatives
Climate Change: Adaptation & Resilience	e.g., precip data, NOAA 14 plus modifier
Infiltration	e.g., soil testing
BMPs / SCMs (General)	
BMP Selection	SCM Hierarchy
BMP Operation and Maintenance	SCM specific O&M guidelines and inspection frequency
BMP Design & Implementation	Update Schematics / Criteria / Specs based on state of the practice
BMPs / SCMs (Individual)	
Rainwater Harvesting	
Retrofit BMPs	
Proprietary BMPs	
LID / Green Infrastructure	SCM Hierarchy - Retention vs. Structural General Standards
Nature-based solutions	Vegetation, Soil Decompaction, Amendment, Buffers Basic Standards
Source Control BMPs	e.g., for chloride
Smart BMPs	e.g., Continuous Monitoring and Adaptive Control for chloride
BMPs for Emerging Contaminants	
Other	
Stormwater Monitoring	
General Formatting / Editorial	New Headings, Cover, Etc. Merge into single document



Discussion

General Impressions and Use of the Current Manual

Questions:

- What parts of the current manual are most helpful to you?
- What parts of the manual are hardest to interpret or apply?
- Are there sections you feel are missing or underdeveloped?
- What's your biggest frustration when using the manual?
- [Feedback from Group on Other Questions?]

Please also complete the survey!

<https://arcg.is/0DXj1i>



Discussion

Preliminary Needs Assessment List

Questions:

- Are there topics on the preliminary needs list that are especially **high priority**?
- Are there any important topics missing from the preliminary needs list?
- [Feedback from Group on Other Questions?]

Please also complete the survey!

<https://arcg.is/0DXj1i>



Next Steps

- Finish Needs Assessment
- Perform Research on Topics
- Work on Manual Outline

