

WDNR 1073 Decomposition & Urban Soil Health Standard Team

MEETING AGENDA - NOTES

Thursday 16 July 2026 ▲ 9:00am – 2:30pm ▲

Wisconsin Land+Water Office (301 S Blount St, Unit 302, Madison, WI, 53703) (zoom link below)

9:00 Brief welcome & overview (5 min; Pete & Carl)

Attendance: Pete Wood, Stu Schwartz, Neal O'Reilly, Andy Kaminski, Phil Gaebler, Rafael Gonzalez Pagan, Carl Wepking

Absent: Christina Rauh, Doug Soldat, Mark Polega, Jamie Patton

9:05 Homework follow-ups – share and discuss table updates (45 min; Pete)

Goal: check on updates to tables, title suggestions, updated language

Notes:

- **Title – Compaction Mitigation for Storm Water Management**
- **Draft overview:**
 - **Update definition to include improvement of biological activity – potentially add more language to glossary or considerations.**
 - **Updated purpose to include expanded bullets**
 - **Include additional exclusionary conditions**
 - **Action item for next time – check on conflicts with existing standards (which other standards include compaction aspects?)**
 - **Run-on area – discussion related to a specific area size**
 - **Site selection language clarified**
 - **Site evaluation format clarified – two pathways: existing pervious, new construction**

9:50 Soil texture diversity / restrictive layers (55 min; Stu)

Goal: discuss approach to handling within site diversity in soil matters

Notes:

- **Soil evaluation:**
 - **Can we include measurement of saturated hydraulic conductivity**
 - **Likely too complex to recommend**
 - **One option: Assume in a compacted soil profile, a given bulk density, and therefore a given hydraulic conductivity**
 - **Another option: “easy” option – look at a table value – but it comes with a penalty when it comes to the estimate**
 - **Pedo transfer function - e.g. Rosetta – enter sand, silt, clay, bulk density, and can get an estimated hydraulic conductivity**
 - **Additional cost of doing the extra work of sampling, testing, is minimal**
 - **Suggestion to use the most restrictive confining layer when it comes to attributing a runoff curve number – rationale: using the more approachable solution will increase uptake of practice application**

- Proposed solution: identify certain situations (e.g. clay confining layer > 1 cm in thickness) where the credit would be reduced to the point of likely non-viability. Or point users to a new table (say, table 3) to determine credit
- Another wrench in the discussion – hydraulic conductivity measurements assume full saturation, and imply that depth of confining layer doesn't matter – however under un-saturated conditions, infiltration will be greater
- Action item – Stu will explore 10, 20, 30% changes in bulk density via pedo transfer function calculations - and revisit 1002.

10:45 Break (15 min)

11:00 Discussion of Operation & Maintenance, Plans & Specs, and Considerations sections (60 min)

Goal: discuss language for respective sections of tech standard

Notes:

- This section was initially skipped

12:00 Lunch (30 min)

12:30 Review entire tech standard (60 min)

Notes:

- [This section of the agenda ended up as the main focus of the day's activities]
- Vegetation discussion related to how to handle the inability to establish vegetation before winter conditions
 - Team decided to include some remedies in considerations and focus the criteria section on the ideal situation (revegetation in a timely manner)
- From the chat on planting dates (A. Kaminski; from MMDS):
 - Turf seeding: May 1 – September 15
 - Plugs and native seeding (green groundcover, upland prairie, and shrub massing seed mixes): May 1 – June 30 or August 15 – September 15
 - Trees and shrubs: March 1 – May 15 or October 1 – November 30
- Table 1 - Runoff Curve Numbers & Table 2 - Runoff Reduction
 - Suggestion to Include sample calculations for each
 - Suggestion to include more language related to the rationale to the tables and underlying calculations
- Discussion regarding crediting approach – balance of practicality scientific backing
- Organizing tables by hydrological soil group – is this enough detail?
 - Team settled on yes
 - Stu is going to revisit the current numbers in these tables – particularly pre-decompaction curve numbers

1:30 Break (15 min)

1:45 Discussion regarding next steps and what's missing (30 min; Carl)

Goal: identify gaps in the standard, discuss approach to resolve

2:15 Wrap up & action items (15 min; Carl)

Action items:

1. Update glossary section (Carl)

- a. Biologically active soil profiles
 - b. Bulk density
 - c. Soil Profile Rebuilding
 - d. DNR S1000 Compost
2. Check on conflicts with existing standards (particularly standards that involve compaction)
3. Update tables to include handling of confining layer elements
4. Explore changes in bulk density (10%, 20%, 30%) via pedological transfer function calculations (Stu)
5. Revisit [1002 technical standard](#) (Stu)
6. Curve number revisit - particularly pre-compaction curve numbers (Stu)

2:30 Close meeting

Zoom connection info:

Join Zoom Meeting

<https://us02web.zoom.us/j/83897688109?pwd=r7isXDtU5Wbfq83fY0sIS88lgobhJu.1>

Meeting ID: 838 9768 8109

Passcode: 072287