

## **WDNR 1073 Decomposition & Urban Soil Health Standard Team**

### **MEETING AGENDA**

Thursday 20 August 2026 ▲ 9:00am – 2:30pm ▲

Virtual - see zoom link below

#### **9:00 Brief welcome & overview (5 min)**

**Attendance:** Christina Rauh, Pete Wood, Carl Wepking, Neal O'Riley, Mark Polega, Doug Soldat, Stu Schwartz, Andy Kaminski, Rafael Gonzalez Pagan, Jamie Patton

**Absent:** Phil Gaebler,

#### **9:05 Homework follow-ups (55 min)**

Goal: review progress towards action items from July meeting

#### **Previous action items for reference:**

##### **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)
  - a. List of tech standards to review and assign to individuals
3. Update tables to include handling of confining layer elements
  - a. Comment on current handling of confining layer
    - i. Select lowest value for confinement
    - ii. Over excavation is a possible method to mitigate confining layer issues
    - iii. Double-ring infiltrometer can be used to gather relevant infiltration data to the site
4. Explore changes in bulk density (10%, 20%, 30%) via pedological transfer function calculations (Stu)
  - a. Notes
    - i. Stu did some follow-up work on this and can now calculate this for any given bulk density
    - ii. Developed app in matlab
    - iii. Spent time looking at saturated hydraulic conductivity
    - iv. Reviewed outcomes based on 10 storm severities (based on NOAA set of occurrences)
    - v. Goal was to create tables that could be applied to WinSLAMM
    - vi. RV values were calculated under compacted, de-compacted, and healthy soil.
    - vii. Used these outcomes to produce data relevant to the way WinSLAMM handles this information
    - viii. Close to having something to distribute – draft

- ix. Therefore we may not need the credit tables that we have developed – instead relative data could be gleaned from WinSLAMM
  - 1. We'll need to run some example situations to verify this
- x. Follow-ups –
  - 1. Stu circulates the relevant backing material for this approach
  - 2. If we're satisfied with the approach, we need to explore some example situations and verify that this will be effective *in-situ*.
- xi. Potential supplementary tool to the tech standard
  - 1. Inputs - OM & current bulk density
  - 2. Outputs - saturated hydraulic conductivity, more?
- xii. Concern that this tool will still need an additional layer to the necessary end result (calculating a runoff reduction credit).
- xiii. Proposed change – we could use this tool to populate a table with a range of scenarios as opposed to directing people to use the tool itself
  - 1. Will need to run some example situations using this approach before finalizing this as the process that the technical standard uses (action item for a future date)
- 5. Curve number revisit - particularly pre-compaction curve numbers (Stu)
  - a. See above

**10:00 Operations and maintenance section (60 min)**

Goal: discuss and draft language for operations and maintenance section

**Notes:**

- Discussion and language drafting related to balancing practicality with thoroughness of data collection to determine whether a site has experienced recompaction
- Penetrometer approach was discussed – suggestion that ASTM D6951 standard may be a good option for a description of cone penetrometer usage
  - ASAE S313.3 FEB04 – another option for a hand held penetrometer

**11:00 Break (90 minutes; resume at 12:30)**

**12:30 Continue work on operations and maintenance section (30 min)**

Goal: continue to discuss and draft language for operations and maintenance section

**Notes:**

- Continued to draft language related to O&M section
- Neal will review legal mechanisms – easements – to help avoid recompaction

**1:00 Plans and Specifications (75 min)**

Goal: discuss and draft language for plans and specifications section

**Notes:**

- Discussed separating two pathways (existing pervious area, new construction)
- Discussion regarding other items to include within plans and specifications
- Stu will refer to specs in other plans and documentation he's used previously

**2:15    Wrap up & action items (15 min)**

**Action Items:**

1. Check on conflicts with existing standards (particularly standards that involve compaction)
  - a. Step 1 – need list of other relevant tech standards (Pete & Christina)
  - b. Step 2 – assign to team members (Carl)
2. Update tables to include handling of confining layer elements (Pete & Stu)
3. Review legal mechanisms – easements – to help avoid recompaction (Neal)
4. Compare plans and specifications sections of related documents (Stu)
5. Glossary updates (Carl)
6. Will need to run some example situations using this approach before finalizing this as the process that the technical standard uses (action item for a future tech standard meeting; TBD)

**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**