



Standards Oversight Council (SOC)

Developing effective technical standards that protect Wisconsin's natural resources

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1010 Proprietary Filtration Devices Standard Team

MEETING NOTES (Webinar/Conference Call)

Wednesday, September 11, 2019 ▲ 1:00pm – 3:00pm ▲

1:00 Introduction, Notes Approval (Kate)

Goal: Welcome, adjust 8/14/19 notes as necessary and approve.

This meeting is both conference call and screen sharing with GoToMeeting. We take roll call for who is on the phone. Present: Eric, Jim, Chris, Adrienne, Jay, Judy, Jan, Phil, John, and Jake.

For smoother participation please use the GoToMeeting Chat box in the lower right corner to type in a comment or question for us all to see, or just type that you have a question and Kate will call on you.

Goal for today – refine the draft standard and tech note text, possibly have it ready for Initial Review.

Kate emailed draft notes from 8/14 meeting to the team. No comments were raised. Kate will finalize after a week and post to SOC team website.

Proprietary Media (e.g., Filterra, TreePods) – include in Standard 1010? (Chris/Jay)

Goal: Review summary of potential changes to Proprietary Filtration Devices Standard to incorporate proprietary media products.

Chris emailed redlined files of the standard and tech note showing additional text or revised text to be inclusive of biofiltration treeboxes. Team discusses concept of these proprietary media in the 1010 standard.

- *DNR traditionally has viewed these types of systems closer to bioretention (standard 1004), though as we discussed at last meeting, it doesn't really fit there either. DNR will need clear justification and rationale to understand why and how to incorporate these into 1010 Proprietary Filtration Devices.*
- *Manufacturers generally consider these systems complete devices, though they aren't necessarily in a box. They are pre-engineered and pre-assembled (e.g. design with underdrain, biofiltration media, mulch, and possibly vegetation). Biofilters are essentially a different kind of device. These systems are TAPE-tested and approved by the same process as the other devices we've been discussing.*
- *SLAMM is adding filtration media to their modeling.*
- *The pretreatment for a biofiltration treebox is shredded mulch on the surface.*
- *O&M is very different from other devices we've been discussed, including more frequent cleaning (mulch replacement). The redlines suggest changes that would include the O&M differences.*

- *Biofiltration that is contained in a structure/chamber that has gone through TAPE approval seems like a better fit in the Proprietary Filtration Standard 1010 rather than Bioretention standard 1004. TAPE approved media (not structure or chamber) might fit better under Standard 1004.*
- **Chris** will look into whether the current sizing language in our standard applies to the variety of available “treebox” type of systems (e.g. are all biofilters evaluated for 600 lbs/yr with 6 months between mulch replacement).
- **Eric** will confirm DNR will accept the inclusion of biofiltration in standard 1010 Proprietary Filtration Devices.

Review Revised Draft Technical Standard (Eric/Team)

Goal: Discuss team comments and concerns on the Draft Technical Standard.

Revised draft text of the standard was emailed last week. We focus on some select areas where team members had questions and make some edits to the text real-time on screen. Some key points of team discussion:

- *We adjust the Location language to allow for alternate positioning for some membrane filters that need to be wet.*
- **Judy** will create another equation for the curve of % runoff treated that is ‘X =’ instead of ‘Y =’ to allow users to calculate MFTR needed using an equation.
- **Eric** will make final tweaks to language discussed at meeting today and the info received from other team member assignments. He’ll strive to send final draft to full team in mid-October.
- The **full team** will then review—we expect this will be the final review before it goes out for external Initial Review.

Review O&M Details in Revised Draft Technical Note (Eric/Team)

Goal: Work through final team comments and concerns on the Draft Technical Note.

Revised draft text of the technical note was emailed last week. Team does not raise any specific comments.

Initial Reviewer Options (Kate/Eric)

Goal: Team to develop options for initial expert review of this text.

Reviewer list has been adjusted. One of our suggested reviewers no longer works for City of Milwaukee but is now at MMSD, where we already have a reviewer. We do not want two reviewers from one organization so Eric provides another contact at City Of Milwaukee engineering that we might add (this person was suggested by Pete Wood - DNR).

Kate has assembled contact information for the initial reviewers and will start contacting them to confirm interest and availability to review the standard around early Nov.

Plan of Action (Kate/Eric)

Goal: Identify topics, concerns, and goals for next meeting. Review Action Items, timeline and prepare agenda items for next meeting.

Next steps:

- *Eric will make further adjustments discussed today and recirculate the final draft in mid-October.*
- *Team will have 10 days to review in late October so watch for email then. Consider this the final team review until comments received.*
- *Goal is to have the draft to the external initial review group in early November.*
- *The meeting that was scheduled for October 9 is cancelled. Right now, there is no future meeting scheduled. Kate and Eric will work out timing for when team will meet again, and what work can be completed via email.*

Action Items from this meeting:

- *Eric will confirm DNR will accept the inclusion of biofiltration to 1010 Proprietary Filtration Devices.*
- *Chris will look into whether the current sizing language in our standard applies to the variety of available "treebox" type systems (e.g. are all biofilters evaluated for 600 lbs/yr with 6 months between mulch replacement). Provide adjusted language to Eric for final draft.*
- *Eric – Make final tweaks to language discussed at meeting today. Send final draft to full team in mid-October.*
- ***FULL TEAM** – review the final drafts of the standard and technical note in late October.*
- *Kate will start contacting the initial reviewers to confirm interest/availability for early November.*
- *Kate will follow up with DNR when the documents are posted on their website so it's clear the Tech Note is tied to the standard.*
- *Kate will finalize 8/14 notes and prepare draft 9/11 meeting notes.*

3:00 End